

CITY OF HUNTINGTON PARK City Council Regular Meeting Agenda

Tuesday, September 17, 2024

6:00 p.m.
City Hall Council Chambers
6550 Miles Avenue, Huntington Park, CA 90255

Karina Macias
Mayor

Arturo Flores
Vice Mayor

Eduardo “Eddie” Martinez
Council Member



Jonathan A. Sanabria
Council Member

Esmeralda Castillo
Council Member

All agenda items and reports are available for review in the City Clerk's Office and www.hpca.gov. Any writings or documents provided to a majority of the City Council regarding any item on this agenda (other than writings legally exempt from public disclosure) will be made available for public inspection in the Office of the City Clerk located at 6550 Miles Avenue, Huntington Park, California 90255 during regular business hours, 7:00 a.m. to 5:30 p.m., Monday – Thursday, and at the City Hall Council Chambers during the meeting.

Any person who requires a disability-related modification or accommodation, including auxiliary aids or services, in order to participate in the public meeting may request such modification, accommodation, aid or service by contacting the City Clerk's Office either in person at 6550 Miles Avenue, Huntington Park, California or by telephone at (323) 584-6230. Notification in advance of the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting.

PLEASE SILENCE ALL CELL PHONES AND OTHER ELECTRONIC EQUIPMENT WHILE COUNCIL IS IN SESSION. Thank you.

PLEASE NOTE--The numerical order of items on this agenda is for convenience of reference.

Items may be taken out of order upon request of the Mayor or Members of the City Council. Members of the City Council and the public are reminded that they must preserve order and decorum throughout the Meeting. In that regard, Members of the City Council and the public are advised that any delay or disruption in the proceedings or a refusal to obey the orders of the City Council or the presiding officer constitutes a violation of these rules.

- The conduct of City Council meetings is governed by the portion of the California Government Code commonly known as the "Brown Act" and by the Huntington Park City Council Meeting Rules of Procedure.
- The City Council meeting is for conducting the City's business, and members of the audience must obey the rules of decorum set forth by law. This means that each speaker will be permitted to speak for three minutes to address items that are listed on the City Council agenda or topics which are within the jurisdictional authority of the City.
- No profanity, personal attacks, booing, cheering, applauding or other conduct disruptive to the meeting will be permitted. Any person not adhering to the Rules of Procedure or conduct authorized by the Brown Act may be asked to leave the Council Chambers.
- All comments directed to the City Council or to any member of the City Council must be directed to the Mayor (or Chairperson if Mayor is absent).

We ask that you please respect the business nature of this meeting and the order required for the proceedings conducted in the Council Chambers.

PUBLIC COMMENT

For both open and closed session, each speaker will be limited to three minutes per Huntington Park Municipal Code Section 2-1.207. Time limits may not be shared with other speakers and may not accumulate from one period of public comment to another or from one meeting to another. **This is the only opportunity for public input except for scheduled public hearing items.**

All comments or queries shall be addressed to the Council as a body and not to any specific member thereof. Pursuant to Government Code Section 54954.2(a)(2), the Ralph M. Brown Act, no action or discussion by the City Council shall be undertaken on any item not appearing on the posted agenda, except to briefly provide information, ask for clarification, provide direction to staff, or schedule a matter for a future meeting.

ADDITIONS/DELETIONS TO AGENDA

Items of business may be added to the agenda upon a motion adopted by a minimum two-thirds vote finding that there is a need to take immediate action and that the need for action came to the attention of the City or Agency subsequent to the agenda being posted. Items may be deleted from the agenda upon the request of staff or Council.

IMPORTANT NOTICE

The City of Huntington Park shows replays of City Council Meetings on Local Access Channel 3 and over the Internet at www.hpca.gov. NOTE: Your attendance at this public meeting may result in the recording and broadcast of your image and/or voice.

CALL TO ORDER

ROLL CALL

Mayor Karina Macias
Vice Mayor Arturo Flores
Council Member Eduardo “Eddie” Martinez
Council Member Jonathan A. Sanabria
Council Member Esmeralda Castillo

INVOCATION

PLEDGE OF ALLEGIANCE

PRESENTATION(S)

1. PROCLAMATION PROCLAIMING SEPTEMBER HISPANIC HERITAGE MONTH
2. PROCLAMATION PROCLAIMING SEPTEMBER WORLD ALZHEIMER AND DEMENTIA AWARENESS MONTH
3. RECOGNITION TO LOCAL BUSINESS OWNER

PUBLIC COMMENT

Pursuant to Government Code Section 54954.3(a) Members of the public will have an opportunity to address the City Council on items listed on this agenda. For items on this agenda each speaker will be limited to three minutes per Huntington Park Municipal Code Section 2-1.207. Time limits may not be shared with other speakers and may not accumulate from one period of public comment to another or from one meeting to another.

STAFF RESPONSE

RECESS TO CLOSED SESSION

CLOSED SESSION

1. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION
Government Code Section 54956.9(d)(2)
Consideration of one (1) potential case
2. PUBLIC EMPLOYEE EMPLOYMENT
Government Code Section 54957
Title: City Manager and City Directors (Review of employment agreement language)
3. PUBLIC EMPLOYEE APPOINTMENT
Government Code Section 54957
TITLE: Public Works Director
4. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Government Code Section 54956.9(d)(1)
Aurelia Beltran Teran vs. City of Huntington Park, et al.
Los Angeles County Superior Court Case No.22NWCV01102
Government Code Section 54956.9(d)(1)

5. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Government Code Section 54956.9 (d)(1))

- Case Names:
- City of Huntington Park v. HF Trading (1981 Belgrave)
- City of Huntington Park v. Valdovinos / Escamillo (2211-2215 Gage)
- City of Huntington Park v. Jamshid Barmaan (2551 Clarendon)
- City of Huntington Park v. Broadway Plaza Villas (6054 Pacific)
- City of Huntington Park v. Sani-Dip (6401 Santa Fe)
- City of Huntington Park v. Sechrist (7822 State)
- City of Huntington Park v. NK Enterprises (2974 East Florence)

CLOSED SESSION ANNOUNCEMENT

CONSENT CALENDAR

All matters listed under the Consent Calendar are considered routine and will be enacted by one motion. There will be no separate discussion of these items prior to the time the Council votes on the motion unless members of the Council, staff, or the public request specific items to be discussed and/or removed from the Consent Calendar for separate action.

CITY CLERK

1. CITY COUNCIL MEETING MINUTES

IT IS RECOMMENDED THAT CITY COUNCIL:

Approve Minute(s) of the following City Council Meeting(s):

1. Regular City Council Meeting held September 3, 2024

FINANCE

2. CHECK REGISTERS

IT IS RECOMMENDED THAT CITY COUNCIL:

1. Approve Accounts Payable and Payroll Warrant(s) dated September 17, 2024

CITY MANAGER

3. SECOND READING OF ORDINANCE APPROVING NEW CITY COUNCIL MEETING DAY FROM TUESDAYS TO MONDAYS

IT IS RECOMMEND THAT CITY COUNCIL

1. Notify the public of the new meeting day Monday to take effect 30 days after the second reading and adoption of said ordinance at the September 17, 2024, City Council Regular Meeting, with the first new regular City Council meeting starting Monday, October 21, 2024.

END OF CONSENT CALENDAR

REGULAR AGENDA

CITY MANAGER

1. CONSIDERATION AND APPROVAL OF PUBLIC WORKS DIRECTOR EMPLOYMENT AGREEMENT

IT IS RECOMMENDED THAT CITY COUNCIL:

1. Approve the Employment Agreement for the Director of Public Works; and
2. Authorize the City Manager to execute the Agreement

HUMAN RESOURCES

2. CONSIDERATION AND APPROVAL OF A RESOLUTION APPROVING NEW CLASS SPECIFICATIONS FOR THE POSITIONS OF PURCHASING AGENT AND HUMAN RESOURCES MANAGER

IT IS RECOMMENDED THAT CITY COUNCIL:

1. Adopt a Resolution approving New Class Specifications for the Positions of Purchasing Agent and Human Resources Manager.

COMMUNITY DEVELOPMENT

3. CONSIDERATION AND APPROVAL OF PUBLICLY VISIBLE ART AT PROPERTY LOCATED AT 3234 EAST FLORENCE AVENUE.

IT IS RECOMMENDED THAT COUNCIL:

1. Approve the Publicly Visible Art for the Original Hot Chicken business located at 3234 East Florence Avenue.

CITY CLERK

4. CREATION OF THE THEATRE AND ARTS COMMISSION

IT IS RECOMMENDED THAT CITY COUNCIL:

1. Introduce an Ordinance for the creation of the Theatre and Arts Commission.

5. COUNCIL APPOINTMENTS TO VARIOUS COMMISSIONS

IT IS RECOMMENDED THAT CITY COUNCIL:

1. Make appointment to Commissions consistent with provisions set forth in Resolution No 2015-19.

FINANCE

6. CONSIDERATION AND APPROVAL TO PURCHASE OF AN INTEGRATED MOTOROLA COMPUTER-AIDED DISPATCH AND RECORD MANAGEMENT SYSTEM WITH A MOTOROLA SECURITY CAMERA SYSTEM AND ENTRANCE MANAGEMENT CONTROL SYSTEM

IT IS RECOMMENDED THAT CITY COUNCIL:

1. Authorize an expenditure of \$3,179,635.35 to purchase and install the Motorola Integrated Flex Suite, Command Central Aware, and Avigilon Video Security System from Motorola Solutions, Inc., along with optional cybersecurity protection; or
2. Authorize an expenditure of \$1,968,447.20 to purchase and install the Avigilon Video Security and Access Control System from LANWAN Enterprise, Inc.; and
3. Authorize the City Manager to negotiate and execute the agreement for the selected option.

END OF REGULAR AGENDA

PUBLIC HEARING

COMMUNITY DEVELOPMENT

1. CONSIDERATION AND APPROVAL OF THE FY 2023-2024 CONSOLIDATED ANNUAL PERFORMANCE AND EVALUATION REPORT (CAPER) FOR FEDERAL GRANT FUNDS

IT IS RECOMMENDED THAT CITY COUNCIL:

1. Conduct a public hearing and take public testimony; and
2. Approve the Consolidated Annual Performance and Evaluation Report (CAPER) for FY 2023-2024, inclusive of any comments received by the City Clerk during the 15-day public comment period.

END OF PUBLIC HEARING

DEPARTMENTAL REPORTS

WRITTEN COMMUNICATIONS

COUNCIL COMMUNICATIONS

Council Member Esmeralda Castillo

Council Member Jonathan A. Sanabria

Council Member Eduardo “Eddie” Martinez

Vice Mayor Arturo Flores

Mayor Karina Macias

ADJOURNMENT

The City of Huntington Park City Council will adjourn the meeting to a Regular Meeting on Tuesday, October 1, 2024 at 6:00 P.M.

I, Eduardo Sarmiento, hereby certify under penalty of perjury under the laws of the State of California that the foregoing agenda was posted at City of Huntington Park City Hall and made available at www.hpca.gov not less than 72 hours prior to the meeting. Dated this 12th day of September 2024.



Eduardo Sarmiento, City Clerk

CONSENT CALENDER

ITEM 1

MINUTES

Meeting of the
City of Huntington Park City Council
Tuesday, September 3, 2024

The regular meeting of the City Council of the City of Huntington Park, California was called to order at 6:06 p.m. on Tuesday, September 3, 2024, in the Council Chambers at City Hall, 6550 Miles Avenue, Huntington Park, California; Mayor Karina Macias presiding.

PRESENT: Council Member(s): Esmeralda Castillo, Eduardo "Eddie" Martinez, Vice Mayor Arturo Flores [Arrived during Closed Session] and Mayor Karina Macias

ABSENT: Jonathan Sanabria

CITY OFFICIALS/STAFF: City Manager Ricardo Reyes; Eduardo Sarmiento City Clerk; Cosme Lozano Police Chief; Steve Forster Director of Community Development and Interim Director of Public Works; Sergio Infanzon Director of Communications; Araceli Almazan Deputy City Attorney.

INVOCATION

Mayor Macias led the invocation.

PLEDGE OF ALLEGIANCE

Councilmember Martinez led the Pledge of Allegiance

PRESENTATION(S)

1. PROCLAMATION PROCLAIMING SEPTEMBER SUICIDE PREVENTION MONTH
2. PROCLAMATION PROCLAIMING AUGUST PSORIASIS AWARENESS MONTH
3. CERTIFICATE OF APPRECIATION TO EDUCATORS AND VOLUNTEERS
4. CERTIFICATE OF APPRECIATION TO LOCAL BUSINESS OWNER
5. SPAY AND NEUTER PROGRAM UPDATE

PUBLIC COMMENTS

The following people provided public comment:

STAFF RESPONSE

None

CLOSED SESSION

RECESS TO CLOSED SESSION @ 6:53pm

1. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION Government Code Section 54956.9(d)(2) Consideration of one (1) potential case
2. CONFERENCE WITH LABOR NEGOTIATORS Government Code Section 54957.6 Agency designated representatives: Ricardo RCONFERENCE WITH LEGAL COUNSEL – EXISTING

LITIGATION

3. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION Government Code Section 54956.9(d)(1) Aurelia Beltran Teran vs. City of Huntington Park, et al. Los Angeles County Superior Court Case No.22NWCV01102 Government Code Section 54956.9(d)(1)

MEETING RECONVIENED @ 7:27pm

CLOSED SESSION ANNOUNCEMENT

Deputy City Attorney Araceli Almazan reported that the record should reflect that with four (4) members of the City Council present Council Member(s) Castillo, Martinez, Vice Mayor Flores and Mayor Macias only Item one (1) was discussed in closed session. In regard to item one (1) the City Council received a status update and direction was provided but no final action was taken. This concluded the closed session report.

CONSENT CALENDAR

All matters listed under the Consent Calendar are considered routine and will be enacted by one motion. There will be no separate discussion of these items prior to the time the Council votes on the motion unless members of the Council, staff, or the public request specific items to be discussed and/or removed from the Consent Calendar for separate action.

CITY CLERK

1. CITY COUNCIL MEETING MINTUES

RECOMMENDED THAT CITY COUNCIL:

Approve Minute(s) of the following City Council Meeting(s):

1. Regular City Council Meeting held August 20, 2024

FINANCE

2. CHECK REGISTER

RECOMMENDED THAT CITY COUNCIL:

1. Approve Accounts Payable and Payroll Warrant(s) dated September 3, 2024

MOTION: Vice Mayor Flores moved to approve the consent calendar, second by Councilmember Martinez. The Motion passed by unanimous consent.

AYES: Council Member (s): Castillo, Martinez, Vice Mayor Flores, and Mayor Macias

NOES: Council Member (s): None

ABSENT: Council Member(s): Sanabria

END OF CONSENT CALENDAR

REGULAR AGENDA

CITY COUNCIL

1. CONSIDERATION OF A LETTER OF OPPOSITION TO SENATE BILL (SB) 549, "NEW PRIVATE RIGHT OF ACTION"

MOTION: Vice Mayor Flores moved to Consider and Approve to consider a letter of opposition to Senate Bill SB 549 "New Private Right of Action", second by Councilmember Castillo. The motion passed by unanimous consent.

AYES: Council Member (s): Castillo, Martinez, Vice Mayor Flores, and Mayor Macias

NOES: Council Member (s): None

ABSENT: Council Member(s): Sanabria

CITY MANAGER

2. CONSIDERATION OF NEW CITY COUNCIL MEETING DAY FROM FIRST AND THIRD TUESDAYS TO FIRST AND THIRD MONDAYS

MOTION: Councilmember Martinez motioned to change Council meeting days first and third Tuesdays of the month to first and third Mondays of the month. Second by Councilmember Castillo. The motion passed by unanimous consent.

AYES: Council Member (s): Castillo, Martinez, Vice Mayor Flores, and Mayor Macias

NOES: Council Member (s): None

ABSENT: Council Member(s): Sanabria

POLICE DEPARTMENT

3. APPROVE A FIVE-YEAR WIRELESS COMMUNICATIONS USE AND ACCESS AGREEMENT BETWEEN THE INTERAGENCY COMMUNICATIONS INTEROPERABILITY SYSTEM (ICI) AND THE CITY OF HUNTINGTON PARKMOTION.

MOTION: Councilmember Martinez motioned approving a five-year wireless communications use and access agreement between the City and Interagency Communications and Interoperability System. Motion was second by Vice Mayor Flores. The motion passed by unanimous consent.

AYES: Council Member (s): Castillo, Martinez, Vice Mayor Flores, and Mayor Macias

NOES: Council Member (s): None

ABSENT: Council Member(s): Sanabria

FINANCE

4. CONSIDERATION AND APPROVAL TO AWARD A PROFESSIONAL SERVICES AGREEMENT FOR FINANCIAL AUDITING SERVICES

MOTION: Councilmember Martinez moved to approve and award a professional services agreement for financial auditing services. Vice Mayor Flores second the motion. The motion passed by unanimous consent.

AYES: Council Member (s): Castillo, Martinez, Vice Mayor Flores, and Mayor Macias

NOES: Council Member (s): None

ABSENT: Council Member(s): Sanabria

CITY CLERK

5. COUNCIL APPOINTMENTS TO VARIOUS COMMISSIONS RECOMMENDED THAT CITY COUNCIL:

1. Make appointments to Commissions consistent with provisions set forth in Resolution No 2015-19.

The City Council had no appointments to the commissions.

DEPARTMENTAL REPORTS

City Manager Ricardo Reyes commended Mayor for speaking openly about Psoriasis. He added that his niece suffers from psoriasis as well and it pains him to see what she has to endure and thanked the mayor for telling her story to bring awareness.

Finance Director Jeff Jone wished Councilmember Castillo a happy birthday.

Director of Communications Sergio Infanzon provided information on upcoming weekend events and reminded residents that this weekend residents can have a yard sale from 9am until 5pm without having to pull a permit for the sale. He also shared information about the upcoming mental health fair this Saturday 10-12 at Salt Lake Park which the Health and Education commissions advocated for. He encouraged the community to attend. He then shared two programs from the community development department. The first is a first-time homebuyer program, and the second is an owner-occupied homeowner rehabilitation program. All the information is located on the city website, and every Friday the Communication department sends an email with all the information to the residence. 45% of emails sent out are open.

WRITTEN COMMUNICATIONS

NONE

COUNCIL COMMUNICATIONS

Councilmember Castillo thanked everybody for her birthday wishes and wished everybody a good night.

Councilmember Martinez shared information about an email he received regarding 58th street alleyway. He stated that there are unhoused individuals making noise near property, being disruptive, and causing disturbances for the residents in the area.

In response to Council Member Martinez, Chief of Police Cosme Lozano went over a recent activity report regarding the patrolling in the described area. The Chief advised that patrols should be increased in the area up to 4 times every 24 hours until the end of the year to continue to address the issue. Public Works Director Steve Forester added Inner City Visions is also engaging folks in that area along with other areas on west side of Seville to continue addressing concerns in the area.

Vice Mayor Flores thanked staff. He requested an agenda item be brought to the council regarding Body Cameras for the Police Department either the 1st or 2nd meeting of October and should include a feasibility and sustainability report. A presentation preferably entails to launch a program as well as margins regarding the sustainability of the program as well.

Mayor Macias thanked staff and directors for their hard work.

ADJOURNMENT

Mayor Macias adjourned the meeting in memory of Maria Garcia at 7:49 p.m. The next City of Huntington Park City Council meeting will be held on Tuesday, September 17th, 2024 at 6:00 pm.

Respectfully submitted

A handwritten signature in dark ink, appearing to read 'Eduardo Sarmiento', is written over a horizontal line.

Eduardo Sarmiento, City Clerk

ITEM 2

City of Huntington Park
Demand Register
September 17, 2024

PAYEE	INVOICE NUMBER	ACCOUNT NUMBER	DESCRIPTION	TRANSACTION AMOUNTS
AIRESPRING INC	188093216	787-8950-421.74-10	CLOUD INTERNET SVCS SEP24	\$1,110.22
AIRESPRING INC Total				\$1,110.22
ALADDIN LOCK & KEY SERVICES	34452	111-7010-421.43-20	OEM KEY PD UNIT 994	\$35.00
	34453	111-7010-421.43-20	2 OEM KEYS PD UNIT 900	\$97.42
	34455	111-7010-421.43-20	KEYS PD UNIT 913	\$110.00
ALADDIN LOCK & KEY SERVICES Total				\$242.42
ALAN'S LAWN AND GARDEN CENTER	40671	535-8090-452.43-20	PW LANDSCAPE SUPPLIES	\$801.62
	40674	535-8090-452.43-20	PW LANDSCAPE SUPPLIES	\$768.43
	40675	535-8090-452.43-20	PW LANDSCAPE SUPPLIES	\$937.32
ALAN'S LAWN AND GARDEN CENTER Total				\$2,507.37
ALVAREZ-GLASMAN & COLVIN	202401020321120	111-9031-413.52-30	LEGAL SERV JAN-MAR2024	\$6,943.90
	202401020321121	111-9031-413.52-30	LEGAL SERV JAN-MAR2024	\$2,131.00
ALVAREZ-GLASMAN & COLVIN Total				\$9,074.90
AMAZON.COM SERVICES INC	111D-6Q91-M9QJ	111-6065-466.61-20	SENIOR PROGRAM SUPPLIES	\$11.39
	1C3H-WNJ4-HVK6	111-0240-466.55-42	BASEBALL CLINIC	\$284.98
	1KDX-NPFQ-DRGM	111-6020-451.61-35	CULTURAL ARTS SUPPLIES	\$88.18
	1PDV-36X7-3494	111-0240-466.55-42	BASEBALL CLINIC	\$117.33
	1RLP-CLHT-7VJQ	111-6065-466.61-20	SENIOR PROGRAM SUPPLIES	\$578.48
	1YJX-PWDW-C6NM	111-6010-466.55-56	PARKS EVENTS SUPPLIES	\$14.75
AMAZON.COM SERVICES INC Total				\$1,095.11
AMTECH ELEVATOR SERVICES	151401673965	111-8022-419.56-41	ELEVATOR MAINT 9/1-11/30	\$1,113.27
AMTECH ELEVATOR SERVICES Total				\$1,113.27
AT&T MOBILITY	X08252024	111-9010-419.53-10	PD WIRELESS PHONES	\$6,736.17
AT&T MOBILITY Total				\$6,736.17
AUTO ZONE	4075116603	111-8085-431.43-21	PART FOR TROLLEY #006	\$59.51
	4075117267	111-7010-421.43-20	PD UNIT 912 PART	\$28.86
	4075117268	741-8060-431.43-20	PW SHOP SUPPLIES	\$29.11
	4075117603	741-8060-431.43-20	LIGHT SWITCH PW UNIT 347	\$59.69
	4075122939	741-8060-431.43-20	PART PW UNIT 199	\$62.82
AUTO ZONE Total				\$239.99
AY NURSERY INC	181342	535-8090-452.61-20	3 TREES-PARKS LANDSCAPE	\$505.68
AY NURSERY INC Total				\$505.68
AZTECA SIGNS	7368	221-8012-429.61-20	SIGNS FOR PUBLIC WORKS	\$657.00
AZTECA SIGNS Total				\$657.00

City of Huntington Park
Demand Register
September 17, 2024

PAYEE	INVOICE NUMBER	ACCOUNT NUMBER	DESCRIPTION	TRANSACTION AMOUNTS
BEAR ELECTRICAL SOLUTIONS, INC	23867	221-8014-429.56-41	TRAFFIC SIGNAL MAINT.	\$6,350.00
BEAR ELECTRICAL SOLUTIONS, INC Total				\$6,350.00
BELEN GUTIERREZ	2000043	111-0000-347.20-00	YOUTH SPORTS REFUND	\$45.00
BELEN GUTIERREZ Total				\$45.00
BRIZUELA'S IRON WORK	203	535-8090-452.61-20	SALT LAKE PARK GATE	\$3,800.00
	204	535-8090-452.43-20	SL PARK CHAIN LINK GATES	\$3,200.00
BRIZUELA'S IRON WORK Total				\$7,000.00
CENTRAL BASIN MWD	HP-JUL24	681-8030-461.41-00	IMPORTED WATER IN JUL24	\$192,207.06
	HP-JUN24	681-8030-461.41-00	IMPORTED WATER IN JUN24	\$141,465.59
	HP-MAY24	681-8030-461.41-00	IMPORTED WATER IN MAY 24	\$133,161.64
CENTRAL BASIN MWD Total				\$466,834.29
CENTRAL FORD	48032	111-7010-421.43-20	PARTS FOR PD UNIT 993	\$404.82
	48045	111-8085-431.43-21	PART FOR SHUTTLE #963-B	\$349.59
	48082	111-7010-421.43-20	CREDIT MEMO PD UNIT #933	-\$36.53
	48088	111-7010-421.43-20	PD VARIOUS UNIT PARTS	\$912.80
	48089	111-7010-421.43-20	PARTS FOR PD UNITS	\$837.06
	48318	111-7010-421.43-20	PD UNIT 912 REPAIR	\$38.54
	48338	111-7010-421.43-20	PD UNIT 918 REPAIR	\$50.27
	48363	111-7010-421.43-20	PD UNITS MAINTENANCE	\$105.58
CENTRAL FORD Total				\$2,662.13
CHARTER COMMUNICATIONS	156833201081424	111-9010-419.53-10	INTERNET SERVICES AUG24	\$169.98
CHARTER COMMUNICATIONS Total				\$169.98
CINTAS CORPORA	4203158492	741-8060-431.56-41	UNIFORM DRY CLEANING	\$463.44
CINTAS CORPORA Total				\$463.44
CLOSET WORLD	3297858	111-7010-421.73-10	RECORDS DIVISION FURNITURE	\$736.00
	3297858	111-7010-421.73-10	RECORDS DIVISION FURNITURE	\$24,448.00
CLOSET WORLD Total				\$25,184.00
COALITION FOR RESPONSIBLE COMMUNITY	FM1554	111-8020-431.56-41	JANITORIAL SERVICES	\$1,673.67
	FM1554	111-7024-421.56-41	JANITORIAL SERVICES	\$4,422.50
	FM1554	111-8023-451.56-41	JANITORIAL SERVICES	\$13,706.89
	FM1554	111-8022-419.56-41	JANITORIAL SERVICES	\$5,191.98
COALITION FOR RESPONSIBLE COMMUNITY Total				\$24,995.04
CONCENTRA MEDICAL CENTER	83995044	111-2030-413.56-41	EMPLOYEE PHYSICALS	\$3,102.00
	84066676	111-2030-413.56-41	EMPLOYEE PHYSICALS	\$2,358.00
CONCENTRA MEDICAL CENTER Total				\$5,460.00

City of Huntington Park
Demand Register
September 17, 2024

PAYEE	INVOICE NUMBER	ACCOUNT NUMBER	DESCRIPTION	TRANSACTION AMOUNTS
COUNTY OF L.A. DEPT OF PUBLIC WORKS	RE-PW-240813007	221-8014-429.56-41	SHARED TRAFFIC MAINTENANCE	\$1,498.12
COUNTY OF L.A. DEPT OF PUBLIC WORKS Total				\$1,498.12
CR&R INCORPORATED	FY 2023-2024	111-0000-201.20-00	REFUSE TAX LIEN FY 2023-2024	\$159,462.70
		111-0000-318.10-00	REFUSE TAX LIEN FY 2023-2024- FRANCHISE FEE	-\$23,919.41
		111-0000-395.10-00	REFUSE TAX LIEN FY 2023-2024- CITY FEE	-\$15,946.27
CR&R INCORPORATED Total				\$119,597.02
CRAFTWATER ENGINEERING INC	22-058-6	787-8918-499.73-14	PREP OF ENVIRONMENT DOCUMENTS	\$9,807.88
CRAFTWATER ENGINEERING INC Total				\$9,807.88
CROWN CASTLE FIBER LLC	1647865	787-8915-499.56-41	DARK FIBER INTERNET	\$16,200.00
CROWN CASTLE FIBER LLC Total				\$16,200.00
DBA LETNER ROOFING CO	66876	787-9050-499.73-10	ROOF REPAIR PD/ CITY HALL	\$3,077.58
DBA LETNER ROOFING CO Total				\$3,077.58
DELTA DENTAL	BE006208409	111-0000-217.50-20	DPO BENEFITS SEPT 24	\$7,060.05
DELTA DENTAL Total				\$7,060.05
DELTA DENTAL INSURANCE COMPANY	BE006206102	111-0000-217.50-20	DELTA CARE SEPT 24	\$1,961.77
DELTA DENTAL INSURANCE COMPANY Total				\$1,961.77
DEPARTMENT OF ANIMAL CARE & CONTROL	45529	111-7010-421.56-41	ANIMAL CARE & CONTROL JUL	\$36,354.45
DEPARTMENT OF ANIMAL CARE & CONTROL Total				\$36,354.45
DEPARTMENT OF INDUSTRIAL RELATIONS	S 2090466 MR	111-8022-419.56-41	ELEVATOR INSPECTION	\$675.00
DEPARTMENT OF INDUSTRIAL RELATIONS Total				\$675.00
DEPARTMENT OF JUSTICE	752134	111-7010-421.56-41	MONTHLY SERVICES JULY 24	\$445.00
DEPARTMENT OF JUSTICE Total				\$445.00
DOLLAMUR LLC	188218	111-6010-451.74-10	CONTRACT CLASSES EQUIPMENT	\$7,581.15
DOLLAMUR LLC Total				\$7,581.15
DUNN EDWARDS CORPORATION	2009A34003	111-8095-431.61-50	PAINT-GRAFFITI REMOVAL	\$991.54
	2009A34315	111-8095-431.61-50	GRAFFITI REMOVAL PAINT	\$110.91
DUNN EDWARDS CORPORATION Total				\$1,102.45
EWING IRRIGATION PRODUCTS, INC.	23250505	535-8090-452.43-20	PARTS-PARK IRRIGATION	\$301.49
EWING IRRIGATION PRODUCTS, INC. Total				\$301.49
EXPRESS TRANSPORTATION SERVICES	HPE09012024	219-8085431.56-43	FIXED TRANSPORTATION BUS	\$84,280.00
		220-8085431.56-43	FIXED TRANSPORTATION BUS	\$42,140.00

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PAYEE	INVOICE NUMBER	ACCOUNT NUMBER	DESCRIPTION	TRANSACTION AMOUNTS
EXPRESS TRANSPORTATION SERVICES Total				\$126,420.00
EZ AUDIO	25	741-8060-431.43-20	PARTS FOR PW UNIT	\$390.00
EZ AUDIO Total				\$390.00
FAST DEER BUS CHARTER	11336	111-6020-451.56-41	EXCURSION CHARTER BUS	\$448.50
FAST DEER BUS CHARTER Total				\$448.50
FERGUSON ENTERPRISES INC	4619200	111-8024-421.43-10	PW TOOL SUPPLIES	\$120.90
FERGUSON ENTERPRISES INC Total				\$120.90
FM THOMAS AIR CONDITIONING INC	47025	111-8024-421.43-10	A/C INSPECTION & REPAIR	\$1,160.00
	47026	111-8022-419.43-10	A/C INSPECTION & REPAIR	\$1,401.38
FM THOMAS AIR CONDITIONING INC Total				\$2,561.38
FUN EXPRESS, LLC	73249458001	111-6010-466.55-50	HALLOWEEN SUPPLIES	\$207.41
FUN EXPRESS, LLC Total				\$207.41
GEORGE CHEVROLET	174168CVW	111-7010-421.43-20	PD UNIT 984 REPAIR	\$560.50
	CVC5461958	111-7010-421.43-20	PD UNIT #886 PARTS	\$1,540.45
GEORGE CHEVROLET Total				\$2,100.95
GOVERNMENT STAFFING SERVICES, INC	130465	787-8914-499.56-41	LABOR INVOICE WE:8/25/24	\$6,800.00
GOVERNMENT STAFFING SERVICES, INC Total				\$6,800.00
GRAINGER	9230308836	111-8024-421.43-10	PD BUILD. DOOR REPAIR	\$638.42
GRAINGER Total				\$638.42
HAJOCA CORPORATION	S013973015.001	111-8024-421.43-10	PD BATHROOM SUPPLIES	\$110.99
	S013987317.001	111-8023-451.43-10	PARK & REC SUPPLIES	\$34.71
	S172538232.001	111-8024-421.43-10	SUPPLIES-PD BUILD REPAIRS	\$1,336.11
HAJOCA CORPORATION Total				\$1,481.81
HASA, INC.	987461	681-8030-461.41-00	SODIUM HYPOCHLORITE #15	\$455.80
	987462	681-8030-461.41-00	SODIUM HYPOCHLORITE #18	\$544.83
	987463	681-8030-461.41-00	SODIUM HYPOCHLORITE #12	\$384.58
HASA, INC. Total				\$1,385.21
HECTOR G. MORENO	5411	111-6060-466.33-20	TAEKWONDO	\$840.00
	5412	111-6060-466.33-20	TAEKWONDO	\$1,120.00
	5413	111-6060-466.33-20	TAEKWONDO	\$1,120.00
HECTOR G. MORENO Total				\$3,080.00
HENRY ANDRADE	7192024	111-7010-421.59-10	MILEAGE REIMBURSEMENT	\$20.77
HENRY ANDRADE Total				\$20.77

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PAYEE	INVOICE NUMBER	ACCOUNT NUMBER	DESCRIPTION	TRANSACTION AMOUNTS
HERNANDEZ SIGNS, INC.	5953	111-8022-419.43-10	HD OFFICE SUPPLIES	\$367.93
HERNANDEZ SIGNS, INC. Total				\$367.93
HINDERLITER DE LLAMAS & ASSOCIATES	SIN041990	111-9010-419.56-41	CONTRACTUAL SERVICES	\$300.00
HINDERLITER DE LLAMAS & ASSOCIATES Total				\$300.00
HOME DEPOT	1270682	111-8024-421.43-10	PW SUPPLIES	\$289.65
	1270699	111-8024-421.43-10	PW SUPPLIES	\$52.35
	2274196	111-8024-421.43-10	PW SUPPLIES	\$30.78
	2514909	111-7010-421.61-20	FOUL SUPPLIES	\$146.91
	2514910	111-7010-421.61-20	EVIDENCE SUPPLIES	\$83.19
	2740352	111-8024-421.43-10	PW SUPPLIES	\$188.79
	3270585	111-8024-421.43-10	PW SUPPLIES	\$260.62
	3274113	535-8090-452.61-20	PW SUPPLIES	\$308.07
	3364054	111-8010-431.61-20	PW SUPPLIES	\$208.03
	6270257	111-8024-421.43-10	PW SUPPLIES	\$197.35
	6274589	111-8024-421.43-10	PW SUPPLIES	\$123.55
	6274602	111-8023-451.61-20	PW SUPPLIES	\$61.28
	6533923	111-8095-431.61-50	PW SUPPLIES	\$132.10
	7511972	111-8020-431.43-10	PW SUPPLIES	\$360.40
	7554915	111-8024-421.43-10	PW SUPPLIES	\$326.05
	8810902	111-7010-421.61-20	PATROL SUPPLIES	\$66.13
	9270004	111-8024-421.43-10	PW SUPPLIES	\$329.02
	9371963	535-8016-431.61-45	PW SUPPLIES	\$109.20
	9542668	111-8024-421.43-10	PW SUPPLIES	\$84.91
HOME DEPOT Total				\$3,358.38
HUMAN SERVICES ASSOCIATION	73124	111-6010-466.55-45	SENIORS NUTRITION SERVICE	\$7,940.00
		111-6065-451.57-46	SENIOR NUTRITION SERVICE	\$2,060.00
HUMAN SERVICES ASSOCIATION Total				\$10,000.00
IBE DIGITAL	467148	111-9010-419.44-10	KONICA BLACK TONER	\$812.54
	470382	111-9010-419.44-10	KONICA BLACK TONER	\$1,212.92
	470403	111-9010-419.44-10	PD PATROL SUPPLIES	\$36.14
IBE DIGITAL Total				\$2,061.60
INFRAMARK LLC	125957	283-8040-432.56-41	POTABLE WATER MAIN JUN24	\$14,725.95
		681-8030-461.56-41	POTABLE WATER MAIN JUN24	\$114,408.09
	127454	283-8040-432.56-41	POTABLE WATER MAINT JUL24	\$14,725.95
		681-8030-461.56-41	POTABLE WATER MAINT JUL24	\$113,518.10
INFRAMARK LLC Total				\$257,378.09
INFRASTRUCTURE ENGINEERS	446421	210-8080-434.56-41	HP LITTER ABATEMENT JUL24	\$2,472.12
INFRASTRUCTURE ENGINEERS Total				\$2,472.12

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PAYEE	INVOICE NUMBER	ACCOUNT NUMBER	DESCRIPTION	TRANSACTION AMOUNTS
J & J MUFFLER SHOP	45513	111-7010-421.43-20	PD UNIT #915 PARTS	\$2,500.00
J & J MUFFLER SHOP Total				\$2,500.00
JEFF JONES	45354	111-3010-415-59-15	EXPENSE REIMBURSEMENT	\$58.02
	45445	111-3010-415-59-15	EXPENSE REIMBURSEMENT	\$33.50
	45481	111-3010-415-59-15	EXPENSE REIMBURSEMENT	\$108.14
JEFF JONES Total				\$199.66
JML AUTO BODY	901	111-7010-421.43-20	PD UNIT 983 REPAIRS	\$3,606.18
JML AUTO BODY Total				\$3,606.18
JOEL GORDILLO	JG202408	111-1010-411.56-41	MEDIA TECHNICIAN SERVICES	\$1,650.00
JOEL GORDILLO Total				\$1,650.00
JOSE YAMASAKI	822024	111-7010-421.59-10	MILEAGE REIMBURSEMENT	\$118.46
JOSE YAMASAKI Total				\$118.46
JULIO MORENO	8182024	111-7010-421.59-10	EMPLOYEE REIMBURSEMENT	\$84.00
		111-7010-421.61-20	EMPLOYEE REIMBURSEMENT	\$102.08
	45483	111-7010-421.61-20	K9 SUPPLIES	\$181.50
JULIO MORENO Total				\$367.58
JXTRA ENTERTAINMENT	69	111-0240-466.55-42	BASEBALL CLINIC	\$640.00
JXTRA ENTERTAINMENT Total				\$640.00
KIMBALL MIDWEST	102523554	741-8060-431.43-20	PW STREET SUPPLIES	\$189.95
KIMBALL MIDWEST Total				\$189.95
LA COUNTY SHERIFF'S DEPT	250058BL	111-7010-421.56-41	INMATE MEAL SERVICE JUL24	\$1,000.54
LA COUNTY SHERIFF'S DEPT Total				\$1,000.54
LAN WAN ENTERPRISES	75402	742-9010-419.74-09	MONTHLY LICENSE FEE AUG24	\$5,224.70
LAN WAN ENTERPRISES Total				\$5,224.70
LB JOHNSON HARDWARE CO.	133732	111-8024-421.43-10	PD BLDG. SUPPLIES	\$163.90
	133741	111-8024-421.43-10	PD BLDG. SUPPLIES	\$35.00
	133830	221-8014-429.74-10	TRAFFIC SIGNAL MAINTENANCE	\$273.74
	133835	221-8014-429.74-10	TRAFFIC SIGNAL SUPPLIES	\$5.81
LB JOHNSON HARDWARE CO. Total				\$478.45
LOS ANGELES COUNTY FIRE DEPARTMENT	IN0451852	111-7010-421.56-41	PD HAZ MATERIALS & ST SVC	\$490.00
LOS ANGELES COUNTY FIRE DEPARTMENT Total				\$490.00
MARGARITA GARCIA	8222024	111-7010-421.59-10	MILEAGE REIMBURSEMENT	\$103.85

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PAYEE	INVOICE NUMBER	ACCOUNT NUMBER	DESCRIPTION	TRANSACTION AMOUNTS
MARGARITA GARCIA Total				\$103.85
MERRIMAC ENERGY GROUP	2233349	741-8060-431.62-30	PURCHASE OF 89 OCTANE	\$25,918.76
MERRIMAC ENERGY GROUP Total				\$25,918.76
MICHAEL BAKER INTERNATIONAL INC	1218694	242-5070-463.57-36	HOME ADMIN SERVICES JUN24	\$392.50
MICHAEL BAKER INTERNATIONAL INC Total				\$392.50
MOTOROLA SOLUTIONS, INC	8281941113	111-7010-421.73-10	PATROL 2 WAY RADIO SYSTEM	\$10,326.33
	8281946962	111-7010-421.73-10	PATROL 2 WAY RADIO SYSTEM	\$10,326.33
	8281958706	111-7010-421.73-10	APX RADIO HANDHELD	\$10,605.68
MOTOROLA SOLUTIONS, INC Total				\$31,258.34
NEW ERA BUILDER INC	MILESTONE 2	241-5030-463.56-41	OWNER OCCUPIED PROGRAM	\$12,885.00
	MILESTONE 3	241-5030-463.56-41	OWNER OCCUPIED PROGRAM	\$12,885.00
	MILESTONE 4	241-5030-463.56-41	OWNER OCCUPIED PROGRAM	\$4,296.00
NEW ERA BUILDER INC Total				\$30,066.00
NICK ALEXANDER RESTORATION	141	111-7010-421.43-20	PD UNIT 275 REPAIRS	\$350.00
NICK ALEXANDER RESTORATION Total				\$350.00
NORM REEVES FORD SUPERSTORE	123998	111-7010-421.43-20	PD UNIT 986 REPAIRS	\$476.60
	324415	111-7010-421.43-20	PD UNIT 900 PARTS	\$301.35
	324551	741-8060-431.43-20	PW UNIT 199 PARTS	\$335.75
	324577	741-8060-431.43-20	PW UNIT #199 PARTS	\$1,711.01
	324610	111-7010-421.43-20	PD UNIT 977 PARTS	\$153.19
	324680	111-7010-421.43-20	PD UNIT 975 PARTS	\$439.54
	324681	111-7010-421.43-20	PD UNIT 977 PARTS	\$439.54
NORM REEVES FORD SUPERSTORE Total				\$3,856.98
NORTH STAR LAND CARE	1601-813	535-8090-452.56-60	LANDSCAPE SERV. JUL24	\$37,617.75
	1601-825	535-8090-452.56-60	TREE MAINTENANCE SERV JUL24	\$1,890.00
NORTH STAR LAND CARE Total				\$39,507.75
O'REILLY AUTO PARTS	2959-129816	741-8060-431.43-20	PARTS GATOR UNIT #223-G	\$1,708.78
	2959-129817	741-8060-431.43-20	GATOR UNIT #225G BATTERY	\$1,708.78
	2959-131882	741-8060-431.43-20	PARTS FOR PW UNIT 102	\$663.48
	2959-133129	741-8060-431.43-20	PW UNIT #102 PART	\$158.40
	2959-135067	741-8060-431.43-20	PW UNIT 199 SUPPLY	\$59.50
	2959-135135	111-7010-421.43-20	PD UNIT 912 PARTS	\$408.38
	2959-135234	741-8060-431.43-20	PW SHOP SUPPLIES	\$238.01
	2959-135294	741-8060-431.43-20	PW SHOP SUPPLIES	\$206.62
	2959-135327	111-7010-421.43-20	PD VARIOUS UNIT SUPPLIES	\$193.95
	2959-135330	741-8060-431.43-20	PW SHOP SUPPLIES	\$37.82
	2959-135347	741-8060-431.43-20	PART PW UNIT 102	\$63.54

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PAYEE	INVOICE NUMBER	ACCOUNT NUMBER	DESCRIPTION	TRANSACTION AMOUNTS
O'REILLY AUTO PARTS	2959-135357	741-8060-431.43-20	PW UNIT #102 PART	\$320.23
	2959-135399	111-7010-421.43-20	PD UNIT 912 PART	\$21.31
O'REILLY AUTO PARTS Total				\$5,788.80
PACIFIC PRODUCTS & SERVICES LLC	34488	221-8012-429.61-20	PW STREET SUPPLIES	\$3,528.00
PACIFIC PRODUCTS & SERVICES LLC Total				\$3,528.00
PITNEY BOWES GLOBAL FINANCIAL	3106804136	111-9010-419.53-20	DIGITAL MAILING SYSTEM	\$573.19
PITNEY BOWES GLOBAL FINANCIAL Total				\$573.19
QUALITY CODE PUBLISHING LLC	PG000037467	111-1010-411.56-41	SUPPORT PAGES-S&H FEES	\$655.00
QUALITY CODE PUBLISHING LLC Total				\$655.00
RICARDO TADEO WASTE OIL SERVICE	69098	741-8060-431.43-20	DISPOSAL OF USED OIL	\$50.00
RICARDO TADEO WASTE OIL SERVICE Total				\$50.00
RIO HONDO COLLEGE	X24-164-ZHPK	111-7010-421.59-10	PD DRIVING COURSE	\$50.00
	X24-176-ZHPK	111-7010-421.59-10	PD DRIVING COURSE	\$50.00
RIO HONDO COLLEGE Total				\$100.00
RIVERSIDE COUNTY SHERIFF'S DEPT	BCTC0078740	111-7010-421.59-10	PD EMPLOYEE TRAINING	\$102.00
	BCTC0078741	111-7010-421.59-10	PD EMPLOYEE TRAINING	\$102.00
RIVERSIDE COUNTY SHERIFF'S DEPT Total				\$204.00
S & J SUPPLY CO., INC.	\$100228966.001	111-8020-431.43-10	PW SHOP SUPPLIES	\$632.10
S & J SUPPLY CO., INC. Total				\$632.10
SINATRA UNIFORM, INC	SU10908	111-7010-421.61-20	PD UNIFORM	\$476.26
	SU12781	111-7010-421.61-20	PD UNIFORM	\$186.13
	SU12799	111-7010-421.61-20	PD UNIFORM	\$91.98
	SU12801	111-7010-421.61-20	PD UNIFORM	\$465.33
SINATRA UNIFORM, INC Total				\$1,219.70
SMART & FINAL	3192200002301	111-7010-421.61-20	NNO SUPPLIES	\$13.99
	3192200023902	111-7010-421.61-20	NNO SUPPLIES	\$69.95
SMART & FINAL Total				\$83.94
SONSRAY MACHINERY, LLC	SWO054808-1	741-8060-431.43-20	PW UNIT #412 REPAIRS	\$1,684.27
SONSRAY MACHINERY, LLC Total				\$1,684.27
SPARKLETTS	15142085090524	111-9010-419.61-20	DRINKING WATER-CITY WIDE	\$967.00
SPARKLETTS Total				\$967.00
STAPLES ADVANTAGE	7001595884	111-0110-411.66-05	CITY WIDE OFFICE SUPPLIES	\$36.61
		111-0210-413.61-20	CITY WIDE OFFICE SUPPLIES	\$291.10

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PAYEE	INVOICE NUMBER	ACCOUNT NUMBER	DESCRIPTION	TRANSACTION AMOUNTS
STAPLES ADVANTAGE	7001595884	111-0310-413.61-20	CITY WIDE OFFICE SUPPLIES	\$42.51
		111-1010-411.61-20	CITY WIDE OFFICE SUPPLIES	\$67.75
		111-2030-413.61-20	CITY WIDE OFFICE SUPPLIES	\$101.40
		111-5010-419.61-20	CITY WIDE OFFICE SUPPLIES	\$216.44
		111-6010-451.74-10	CITY WIDE OFFICE SUPPLIES	\$9,531.20
		111-6030-451.61-35	CITY WIDE OFFICE SUPPLIES	\$137.39
		111-6065-466.61-20	CITY WIDE OFFICE SUPPLIES	\$472.75
		111-7010-421.61-20	CITY WIDE OFFICE SUPPLIES	\$167.63
		111-9010-419.61-20	CITY WIDE OFFICE SUPPLIES	\$37.69
STAPLES ADVANTAGE Total				\$11,102.47
STAR2STAR COMMUNICATIONS LLC	SUBC00013729	111-9010-419.53-10	MONTHLY FEE SEP24	\$10,782.53
STAR2STAR COMMUNICATIONS LLC Total				\$10,782.53
SUSTAINABLE HOME CONSTRUCTION	470-2	242-5070-463.57-38	HOME REPAIR PROGRAM	\$41,193.00
SUSTAINABLE HOME CONSTRUCTION Total				\$41,193.00
TIREHUB, LLC	44016625	111-7010-421.43-20	TIRES-MULTIPLE PD UNITS	\$816.91
TIREHUB, LLC Total				\$816.91
T-MOBILE USA	975955170 JUL24	111-9010-419.53-10	CELL PHONE 7/21-8/20/24	\$1,526.88
	975956065 JUL24	111-9010-419.53-10	CELL PHONE 7/21-8/20/24	\$1,066.83
T-MOBILE USA Total				\$2,593.71
TOWN HALL STREAMS	15937	111-1010-411.56-41	MONTHLY TOWN STREAMS	\$300.00
TOWN HALL STREAMS Total				\$300.00
TREEPEOPLE INC.	7	787-8928-499.56-41	URBAN FOREST MNGT PLAN	\$32,974.47
TREEPEOPLE INC. Total				\$32,974.47
TRIANGLE SPORTS	42880	111-6030-451.61-35	YOUTH SPORTS SUPPLIES	\$823.44
TRIANGLE SPORTS Total				\$823.44
TRUEPANI INC	1314	681-8030-461.56-41	LEAD/COOPER SERV LINE INV	\$1,080.00
TRUEPANI INC Total				\$1,080.00
TYLER TECHNOLOGIES, INC.	045-482620	787-8951-419.43-15	FINANCIAL SYSTEM AUG24	\$2,220.00
TYLER TECHNOLOGIES, INC. Total				\$2,220.00
U.S. ARMOR CORPORATION	47230	111-7010-421.61-20	PD EMPLOYEE VEST	\$776.82
U.S. ARMOR CORPORATION Total				\$776.82
U.S. BANK EQUIPMENT FINANCE	526100771	111-9010-419.44-10	MONTHLY FEES APR24	\$2,668.10
	535038285	111-9010-419.44-10	MONTHLY FEES AUG24	\$2,465.40
U.S. BANK EQUIPMENT FINANCE Total				\$5,133.50

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PAYEE	INVOICE NUMBER	ACCOUNT NUMBER	DESCRIPTION	TRANSACTION AMOUNTS
VISION SERVICE PLAN-CA	821108602	111-0000-217.50-30	MONTHLY VISION PLAN	\$3,576.74
VISION SERVICE PLAN-CA Total				\$3,576.74
WATER REPLENISHMENT DISTRICT OF	3	787-8905-461.76-26	WELLHEAD CONSTRUCTION	\$117,755.58
WATER REPLENISHMENT DISTRICT OF Total				\$117,755.58
WEST GOVERNMENT SERVICES	850708612	742-7010-421.74-09	ONLINE LEGAL SERVICES AUG24	\$1,802.64
WEST GOVERNMENT SERVICES Total				\$1,802.64
Grand Total				\$1,586,038.95

ITEM 3



CITY OF HUNTINGTON PARK

Administration
City Council Agenda Report

September 17, 2024

Honorable Mayor and Members of the City Council
City of Huntington Park
6550 Miles Avenue
Huntington Park, CA 90255

Dear Mayor and Members of the City Council:

SECOND READING OF ORDINANCE TO CHANGE CITY COUNCIL MEETING DAYS FROM FIRST AND THIRD TUESDAYS OF THE MONTH TO FIRST AND THIRD MONDAYS OF THE MONTH

IT IS RECOMMENDED THAT THE CITY COUNCIL:

1. Consider changing the day for the regular City Council meetings from the 1st and 3rd Tuesday of every month to the 1st and 3rd Monday of every month; and
2. If Council concurs, waive further reading and introduce an Ordinance amending Ordinance No. 940-NS, Amending Title 2 Chapter 1 Article 2 Section 2-1.201 of the Huntington Park Municipal Code Relating to City Council Meetings; and
3. Notify the public of the new meeting day Monday to take effect 30 days after the second reading and adoption of said ordinance at the September 17, 2024, City Council Regular Meeting, with the first new regular City Council meeting starting Monday, October 21, 2024.

BACKGROUND

The City currently operates under a 4/10 schedule. Regularly scheduled City Council meetings are held on the first and third Tuesdays of each month. The Agenda is posted on Thursday prior to the meetings. This provides staff actual business time to brief the City Council and to address questions and concerns from the public as well as individual City Council Members prior to the council meetings. Holding council meetings on Mondays would allow adequate time to prepare for council meetings and meet the time requirement under the Brown Act (72 hours) for posting of the agenda and for public review of the Council agenda. In the interest of consistency and efficiency, staff is recommending that all future Council meetings be moved to Mondays.

FISCAL IMPACT/FINANCING

CONSIDERATION OF NEW CITY COUNCIL MEETING DAYS FROM TUESDAYS TO MONDAYS

September 17, 2024

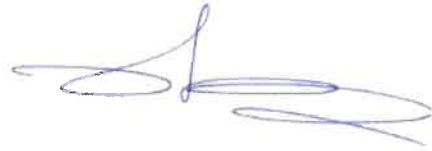
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No fiscal impact from changing the days of the meetings.

CONCLUSION

Upon approval, the City Manager will work with the City Clerk to prepare notices related to the new dates for future City Council meetings, allowing ample time to properly inform the public of the revised meeting days.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'Ricardo Reyes', with a stylized flourish at the end.

RICARDO REYES
City Manager

ATTACHMENTS

- A: Ordinance amending Ordinance No. 940-NS, Amending Title 2 Chapter 1 Article 2 Section 2-1.201 of the Huntington Park Municipal Code Relating to City Council Meetings

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**THE CITY COUNCIL OF THE CITY OF HUNTINGTON PARK DOES HEREBY
ORDAIN AS FOLLOWS:**

Regular meetings of the City Council shall be held on the first and third Mondays of each month. When the day for such regular Council meeting falls on a legal holiday, the meeting shall not be held on such holiday but shall be held at the same hour on the next succeeding day thereafter which is not a holiday. Each regular meeting shall begin at 6:00 p.m. in the Council Chambers of the Huntington Park City Hall.

SECTION 3. The City Clerk shall certify to the passage of this Ordinance.

PASSED, APPROVED AND ADOPTED THIS 17th day of September, 2024.

Karina Macias, Mayor

ATTEST:

Eduardo Sarmiento, CMC
City Clerk

REGULAR AGENDA

ITEM 1



CITY OF HUNTINGTON PARK

Human Resources Department
City Council Agenda Report

September 17, 2024

Honorable Mayor and Members of the City Council
City of Huntington Park
6550 Miles Avenue
Huntington Park, CA 90255

Dear Mayor and Members of the City Council:

AUTHORIZE AND APPROVE EMPLOYMENT AGREEMENT FOR PUBLIC WORKS DIRECTOR

IT IS RECOMMENDED THAT CITY COUNCIL:

1. Approve the City Manager's recommendation of Gerardo "Gerry" Lopez to serve as the Public Works Director; and
2. Authorize City Manager to negotiate final terms of the employment agreement; and
3. Approve City Manager to execute an employment agreement for Public Works Director.

BACKGROUND

After the departure of the former Public Works Director in January 2024, the City of Huntington Park initiated a comprehensive recruitment process to fill the position. The recruitment effort included the City's direct application process, the engagement of an outside recruitment firm, and the use of the City's newly launched NeoGov system to attract qualified candidates.

This extensive recruitment process involved screening numerous applications and conducting two rounds of interviews. After careful consideration, Gerardo "Gerry" Lopez emerged as the top candidate for the role of Public Works Director.

Mr. Lopez brings over 28 years of experience in Public Works, with a background in Administration, Engineering, Construction, Contract Services, and Maintenance Operations. His impressive track record includes implementing advanced maintenance management systems and overseeing major capital improvement projects. His qualifications and experience make him an excellent addition to the City's leadership team.

AUTHORIZE AND APPROVE EMPLOYMENT AGREEMENT FOR PUBLIC WORKS DIRECTOR

September 17, 2024

Page 2 of 2

FISCAL IMPACT/FINANCING

The employment agreement will cover a period of five years, and the salary and benefits for the Public Works Director are included in the Fiscal Year 2024-2025 Operating Budget.

CONCLUSION

Upon approval by the City Council, the City Manager will execute the employment agreement with Gerardo "Gerry" Lopez, with the expectation that he will officially begin his role as Public Works Director on October 23, 2024.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Ricardo Reyes", with a stylized flourish at the end.

Ricardo Reyes
City Manager

ATTACHMENT

A. Public Works Director Employment Agreement - DRAFT

ITEM 2



CITY OF HUNTINGTON PARK

Human Resources Department
City Council Agenda Report

September 17, 2024

Honorable Mayor and Members of the City Council
City of Huntington Park
6550 Miles Avenue
Huntington Park, CA 90255

Dear Mayor and Members of the City Council:

CONSIDERATION AND APPROVAL OF A RESOLUTION APPROVING NEW CLASS SPECIFICATIONS FOR THE POSITIONS OF PURCHASING AGENT AND HUMAN RESOURCES MANAGER

IT IS RECOMMENDED THAT CITY COUNCIL:

1. Adopt a Resolution approving New Class Specifications for the Positions of Purchasing Agent and Human Resources Manager

BACKGROUND

Based upon the current needs of the City and the adopted budget for Fiscal Year 2024-2025, two (2) new class specifications were created.

The Class Specifications for the Purchasing Agent and Human Resources Manager positions are attached to the Resolution in Exhibits A and B. Both new positions were presented to and unanimously approved by the Civil Service Commission on March 7, 2024.

FISCAL IMPACT/FINANCING

The salary range for the Purchasing Agent position is \$7,014 to \$8,612 per month (Salary Grid Number 301). The salary and benefits for this position are included in the Fiscal Year 2024-2025 Finance Department Operating Budget.

The salary range for the Human Resources Manager position is \$8,363 to \$10,266 (Salary Grid Number 302) per month. The salary and benefits for this position are included in the Fiscal Year 2024-2025 Human Resources Department Operating Budget.

CONSIDERATION AND APPROVAL OF A RESOLUTION APPROVING NEW CLASS SPECIFICATIONS FOR THE POSITIONS OF PURCHASING AGENT AND HUMAN RESOURCES MANAGER

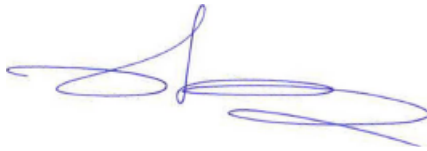
September 17, 2024

Page 2 of 2

CONCLUSION

Upon adoption of the resolution, both new class specifications will be used for future recruitments.

Respectfully submitted,



RICARDO REYES
City Manager

BRYCE M. TYLER
Human Resources Department

ATTACHMENT(S)

- A. Resolution approving new class specifications for the positions of Purchasing Agent and Human Resources Manager.

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WHEREAS, the City of Huntington Park has created two (2) new classifications to meet the needs of the City; and

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF HUNTINGTON PARK DOES HEREBY RESOLVE AS FOLLOWS:

- The position of Purchasing Agent, a copy of which is attached hereto as Exhibit A, with a salary range of \$7,014 to \$8,612 per month (Salary Grid Number 301).
- The position of Human Resources Manager, a copy of which is attached hereto as Exhibit B, with a salary range of \$8,363 to \$10,266 per month (Salary Grid Number 302).

PASSED, APPROVED AND ADOPTED this 17th day of September 2024.

ATTEST:

Eduardo Sarmiento,
City Clerk

ITEM 3



CITY OF HUNTINGTON PARK

Community Development Department
City Council Agenda Report

September 17, 2024

Honorable Mayor and Members of the City Council
City of Huntington Park
6550 Miles Avenue
Huntington Park, CA 90255

Honorable Mayor and Members of the City Council:

CONSIDERATION AND APPROVAL OF PUBLICLY VISIBLE ART AT PROPERTY LOCATED AT 3234 EAST FLORENCE AVENUE.

IT IS RECOMMENDED THAT COUNCIL:

1. Approve the Publicly Visible Art for the Original Hot Chicken business located at 3234 East Florence Avenue.

BACKGROUND

On June 27, 2024, the Planning Division received an application for publicly visible art for the Original Hot Chicken business at 3234 East Florence Avenue, located on the southeast corner of East Florence Avenue and State Street. The proposed art piece features a signature Original Hot Chicken wrapping, reflecting the style used at their other locations. This artwork, which incorporates elements of Huntington Park culture, is a blend of the National Original Hot Chicken design. It measures approximately 14 feet in height and 57 feet in length, covering an area of approximately 798 square feet. Positioned on the west wall of the establishment facing State Street, the artwork is valued at \$5,345. The business owner hopes this installation will generate excitement and enhance positive recognition among both customers and the City of Huntington Park.

Pursuant to Huntington Park Municipal Code (HPMC) Section 9-3.1710, an application for placement of artwork on private property as part of a development project shall be submitted to the Planning Division for Planning Commission review and approval. However, if the proposed artwork is not associated with a development project the application for artwork shall be submitted to the Parks and Recreation Department for City Council review and approval. Since the artwork for the Original Hot Chicken at 3234 E Florence Avenue will be associated with an existing building and not be part of a new

CONSIDERATION AND APPROVAL OF PUBLICLY VISIBLE ART AT 3234 EAST FLORENCE AVE

September 17, 2024

Page 2 of 3

development project, it is at the discretion of City Council to approve or deny the proposed artwork.

Additionally, per HPMC Section 9-3.1704, "City Council shall have the authority to grant approval or denial of any proposed artwork submitted pursuant to the publicly visible art requirements in this article that is not associated with a development project. The City Council shall not grant the placement of any artwork unless the City Council finds that the artwork complies with the property maintenance standards as set forth in Huntington Park Municipal Code Section 8-9.02.1."

FISCAL IMPACTS

Fees collected for the Publicly Visible Art Application will be directed to the City Art Fund as stipulated in Huntington Park Municipal Code Section 9-3.1705.

CONCLUSION

Upon Council approval, staff will proceed with the recommended actions.

Respectfully submitted,



RICARDO REYES
City Manager

CYNTHIA NORZAGARAY
Director of Parks and Recreation



STEVE FORSTER
Community Development Director

ATTACHMENT(S)

- A. Publicly Visible Art Application
- B. Site Plan

**CONSIDERATION AND APPROVAL OF PUBLICLY VISIBLE ART AT 3234 EAST
FLORENCE AVE**

September 17, 2024

Page 3 of 3

C. Elevations

ATTACHMENT "A"

City of

HUNTINGTON PARK california

COMMUNITY DEVELOPMENT DEPARTMENT

6550 MILES AVENUE

HUNTINGTON PARK, CA 90255

TEL: (323) 584-6210 FAX: (323) 584-6244



PUBLICLY VISIBLE ART APPLICATION GUIDELINES

The application for Publicly Visible Art is processed by the Huntington Park Community Development Department.

The Publicly Visible Art Program is intended to allow for the development of cultural and artistic resources that improve and enhance the quality of life for individuals living, working and visiting the City. Artwork shall be placed at locations which are visible to the public. The Publicly Visible Art application procedures assist in the purpose of improving opportunities to promote the beautification of the City. Balanced development of cultural and artistic resources preserves and improves the quality of the urban environment and increases property values.

The proposed artwork is subject to the approval of the Planning Commission. Depending on the type of artwork proposed, approvals from other departments or agencies (e.g. Building and Safety, Fire, County Health, etc.) may be required. Therefore, applicants are advised to inquire directly with other agencies as to the requirements they may have early in the process.

PUBLICLY VISIBLE ART IS REQUIRED FOR THE FOLLOWING:

- All new residential developments of two (2) or more units, public and institutional buildings, and all commercial and industrial development projects with a construction valuation equal to or exceeding \$100,000; and
- Exterior and/or interior modifications with a valuation equal to or exceeding \$50,000 to existing residential buildings of two (2) or more units, public and institutional buildings, existing commercial buildings and existing industrial buildings. This provision excludes required earthquake rehabilitation.

APPLICATION REQUIREMENTS

1. Submit three (3) sets of plan drawings as outlined below.
2. Submit a New Land Use application (form attached).
3. All re-submittals shall contain the previously submitted plans with the corrections made by the Planning Division.

PLAN REQUIREMENTS

1. Fifteen (15) copies, on minimum 8 ½" x 11" sheet, of proposed Art Work.
 - A) Sketches,
 - B) Photographs,
 - C) Examples of similar Art Work or other documentation of sufficient clarity to indicate the nature of the proposed art Work.
2. Site Plan showing location of Art Work.
3. Elevations (if Art Work is located on the building).
4. Publicly Visible Art Application.
5. Appraisal or other legitimate evidence of the value of the proposed Art Work.
6. Required Fee: \$995.00

For further information, please contact the Planning Division by calling (323) 584-6210, between 7:00 a.m. and 5:30 p.m., Monday through Thursday.



CITY OF HUNTINGTON PARK
Community Development Dept. • Planning Division
6550 Miles Avenue, Huntington Park, CA 90255
Tel. (323) 584-6210 • planning@hpcapca.gov

PUBLICLY VISIBLE ART APPLICATION

FOR OFFICE USE ONLY

Date Filed: 06/27/24 File No.: PVA 24-01 Fee/Receipt No.: \$ 995.00 Initials: A.C

PROJECT INFORMATION

Project Address: 3234 E. Florence Ave., Huntington Park, CA 90255

General Location: Corner of E. Florence and State St.

Assessor's Parcel Number (APN): _____

APPLICANT'S INFORMATION

Applicant: PRM Investments, LLC

Mailing Address: 2859 Paces Ferry Rd., Ste. 412, Atlanta, GA 30319

Phone 1: (678) 637-1635

Phone 2: (404) 865-3367

Email: jisaacson @bellsouth.net

PROPERTY OWNER'S INFORMATION

Property Owner: Randall Realty Company

Mailing Address: 1155 Bassi Dr., San Luis Obispo, CA 93405

Phone 1: (209) 535-6358

Phone 2: _____

Email: pdrandall@aol.com

PROPOSED ARTWORK

1. Provide a brief narrative of the proposed artwork for that will be placed for public visibility:

We propose to create a new exterior building design that captures what The Original Hot Chicken concept stands for in a relevant and understandable way, generating excitement and positive recognition with the customers and City of Huntington Park alike. To convey not only the food served, but the origin of the recipes, Our Southern Hospitality, deliciousness, and fun!

2. Provide description of artwork (Give full details describing the meaning, type, size, style, medium of the art work):

The West wall of the building is the focal point of the wall art, visible from both Florence and State alike.

The Southern Hospitality, employees pride, as well as the ownership, and National Chain of The Original Hot Chicken Chain Strives to express to the customers and community. Healthy chicken served with a smile friendliness, feeling like friends when dining. Clean enviroment, a safe place to dine. All things that we strive to provide, blend wholeheartedly with the values of the City of Huntington Park community culture.

3. Artist name and biography:

The National Original Hot Chicken Art work with a blend of Huntington Park culture.

Heixs (Wrap MANufacture) BNV1370N-50

4. Appraised value: \$ \$5,345.00 (actual cost) (Must be a minimum of 1% of project valuation)

**Attach a copy of Appraisal Report*

5. Appraiser: N/A

Appraiser Credentials: _____

Mailing Address: _____

Phone 1: _____

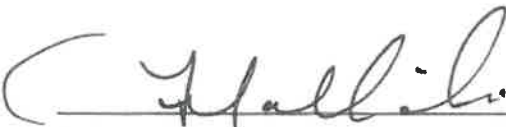
Phone 2: _____

Email: _____

Appraiser's Signature: _____

Date: _____

CERTIFICATE AND AFFIDAVIT OF APPLICANT: I/We certify that all statements made on this application are true and complete to the best of my knowledge. I/We understand that any false statements may result in denial of the requested permit or revocation of any issued permit. I/We further certify that I am, or have permission by, the property owner to conduct the proposed development applied for herein.


Signature of Applicant

6/27/2024
Date

T. MALLENDINE
Print Name

Site Plan

The Original Hot Chicken

ATTACHMENT "B"

East Florence Ave

State Street

3234 E Florence Ave

3236
The Original Hot Chicken

The Original Hot
Chicken Mural Wrap

The Original Hot Chicken

Google Earth

Image Landsat / Copernicus

80 ft



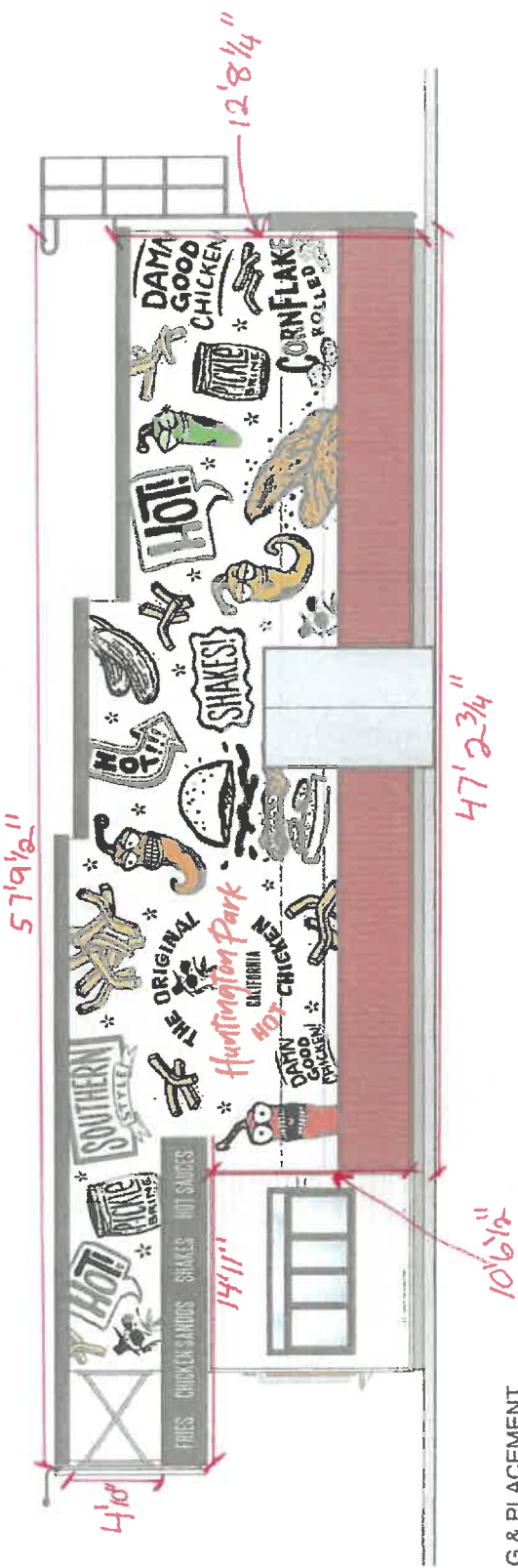


ATTACHMENT "C"

AP 10: Mural Right Side - Localized

- This document is a work in progress and is subject to change without notice.
- All content is for informational purposes only and should not be used for any other purpose.
- **DO NOT print directly from this doc.**
- Use provided vector art file: AP10_MuralRightLocalized.pdf
- To edit localization element, use working file: AP10_MuralRightLocalized.ai

Color	Brand Red	Hot Pepper	Hot	Orange Pepper	Cornflake Crust	Pepper	Yellow Pepper	Green Pepper	Yellow Mustard	White
C	22	36	10	10	3	11	11	22	22	C
M	94	24	50	48	11	22	14	10	10	M
Y	100	100	20	49	60	16	25	100	20	Y
K	0	0	0	0	2	0	0	0	0	K



SIZING & PLACEMENT
Scale: 3/16" = 1'

The Original Hot Chicken



ITEM 4



CITY OF HUNTINGTON PARK

Office of the City Clerk
City Council Agenda Report

September 17, 2024

Honorable Mayor and Members of the City Council
City of Huntington Park
6550 Miles Avenue
Huntington Park, CA 90255

Dear Mayor and Members of the City Council:

CREATION OF THE THEATRE AND ARTS COMMISSION

IT IS RECOMMENDED THAT CITY COUNCIL:

1. Introduce an Ordinance for the creation of the Theatre and Arts Commission.

BACKGROUND

At a special meeting on August 5, 2024, the City Council unanimously approved the creation of a Theatre and Arts commission. The Theatre and Arts Commission will help to identify the needs and interests of the community and recommend various ways to broaden community participation in the fields of theatre and arts. This commission will be directly involved with projects and recommendations to the City Council that encourage the implementation of new and ongoing theatre and arts related initiatives in the city.

RECOMMENDATION

Introduce the Ordinance and create the Theatre and Arts Commission and direct staff to place the Ordinance on the agenda for second reading at the next regularly scheduled City Council meeting.

FISCAL IMPACT/FINANCING

There will be a minimal fiscal impact due to the stipend to be paid to the commissioners of \$75 per meeting.

CONCLUSION

Upon Council approval, staff will proceed with recommended actions.

CREATION OF THE THEATRE AND ARTS COMMISSION

September 17, 2024

Page 2 of 2

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'Ricardo Reyes'.

Ricardo Reyes
City Manager

A handwritten signature in blue ink, appearing to read 'Eduardo Sarmiento'.

Eduardo Sarmiento
City Clerk

ATTACHMENTS

- A. Ordinance to create a Theatre and Arts Commission.

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1 within the City of Huntington Park and possess expertise in either theatre or art,
2 however, at the City Council discretion, no more than two (2) Commissioners
3 may be non-Huntington Park residents.

4 § 2-11.203 Compensation

5 The compensation for members serving on the Commission shall be seventy-
6 five dollars (\$75.00) per meeting, for up to two (2) meetings per month.

7 § 2-11.204 Appointment and Removal

8 The member of the Commission shall be appointed by the City Council to the
9 initial term of four (4) years, and may be reappointed by the City Council,
10 subject to conditions stated in Section 3 of this ordinance.

11 § 2-11.205 Vacancies

12 If a vacancy shall occur other than by expiration of the term, it shall be filled by
13 appointment of the City Council for the unexpired portion of such term.

14 § 2-11.206 Quorum

15 A majority of the total number of members of the Commission shall constitute a
16 quorum for the transaction of business, but a lesser number may adjourn from
17 time to time for want of quorum and until a quorum can be obtained.

18 § 2-11.207 Purpose and Objectives

19 The purpose and objectives of the Commission shall be to:

- 20 (a) When requested by the City Council, make investigations, studies, hold
21 hearings and make recommendations to the City Council and Administrative
22 staff concerning theatre and art.
- 23 (b) Implement the requests of the City Council regarding theatre and art.
- 24 (c) Create awareness in the city of theatre and arts matters, in general.
- 25 (d) Attempt to implement plans for improved theatre and arts in the city.
- 26 (e) Determine theatre and arts needs not currently being met by the community.

27 § 2-11.208 Organization

28 At its first meeting following appointment of all members of the Commission,
and annually thereafter following appointment of reappointment of one or more

1 of its members to a new term of office, the commission shall elect a
2 Chairperson (unless appointed by the City Council), a Vice-Chairperson and a
3 secretary from among its members.

4 § 2-11.209 Meetings

5 Regular meetings of the Commission shall be held on the (TBD) of each month
6 at the hour of TBD p.m. (TBD p.m.). The place of such meetings shall be
7 designated by the City Council. When the day for such regular meetings falls on
8 a legal holiday, the meeting shall not be held on such holiday, but shall be held
9 at the same hour on the next succeeding Tuesday thereafter which is not a
10 holiday. All meetings of the Commission shall be open and public, and subject
11 to all laws of the state of California e.g. the Brown Act, governing open public
12 meetings. The commission shall adopt its own rules for the transaction of its
13 business and keep a record of resolutions, findings and recommendations and
14 actions voted upon. A report of each meeting of the Commission shall be given
15 to the City Council. The Director of Communications and Community Relations
16 or his/her designee will serve as staff liaison to the Commission and shall
17 attend all Commission meetings in the same capacity as with
18 similar Commissions.

14 § 2-11.210 Absence

15 Absence of a member from two consecutive meetings of the Commission shall,
16 unless such absence is excused by the commission, be deemed a resignation
17 of such member from the Commission and the office shall thereupon become
18 vacant. A vacancy so created shall be filled by appointment by the City Council
19 for the unexpired term of such member.

19 This Ordinance shall take effect thirty (30) days after its adoption.

20 **PASSED, APPROVED AND ADOPTED THIS** _____ day of _____, 2024.

21 **ATTEST:**

22 **CITY OF HUNTINGTON PARK:**

23
24 Eduardo Sarmiento
25 City Clerk

24 Karina Macias
25 Mayor

26 **APPROVED AS TO FORM:**

27
28 Arnold M. Alvarez-Glasman
City Attorney

ITEM 5



CITY OF HUNTINGTON PARK

Office of the City Clerk
City Council Agenda Report

September 17, 2024

Honorable Mayor and Members of the City Council
City of Huntington Park
6550 Miles Avenue
Huntington Park, CA 90255

Dear Mayor and Members of the City Council:

COUNCIL APPOINTMENTS TO VARIOUS COMMISSIONS

IT IS RECOMMENDED THAT CITY COUNCIL:

1. Make appointments to Commissions consistent with provisions set forth in Resolution No. 2015-19.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

On May 18, 2015, the City Council adopted Resolution No. 2015-19 which established a new process for making appointments to various City Commissions.

Individuals appointed to Commissions will be required to submit to a LiveScan and subsequently take an Oath of Office.

FISCAL IMPACT

There is no fiscal impact. Compensation for added Commissioners has been budgeted for FY 2024/25 to account 111-0123-413.19-05.

CONCLUSION

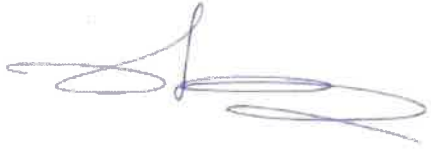
Terms will run concurrent with the Council Member who appoints. After the appointment the City Clerk will notify applicants of their appointments.

COUNCIL APPOINTMENT TO CIVIL SERVICE COMMISSION

September 17, 2024

Page 2 of 2

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'Ricardo Reyes', with a stylized flourish at the end.

RICARDO REYES

City Manager

A handwritten signature in blue ink, appearing to read 'Eduardo Sarmiento', with a stylized flourish at the end.

EDUARDO SARMIENTO,

City Clerk

ATTACHMENT(S)

- A. Resolution No. 2015-19, Adopting Revised Rules, Method of Appointment, Guidelines for the Conduct of Meetings and Structure for all Commissions of the city and Repealing all Prior Resolutions or Provisions in Conflict with the Provisions Contained Herein.

ATTACHMENT "A"

RESOLUTION NO. 2015-19

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HUNTINGTON PARK ADOPTING REVISED RULES, METHOD OF APPOINTMENT, GUIDELINES FOR THE CONDUCT OF MEETINGS AND STRUCTURE FOR ALL COMMISSIONS OF THE CITY AND REPEALING ALL PRIOR RESOLUTIONS OR PROVISIONS IN CONFLICT WITH THE PROVISIONS CONTAINED HEREIN

WHEREAS, the City Council has decided to amend all commission resolutions to provide for congruent and consistent regulation and structure across all City Commissions.

THE CITY COUNCIL OF THE CITY OF HUNTINGTON PARK DOES RESOLVE AS FOLLOWS:

SECTION 1: Establishment of City Commissions.

The City has currently established the following commissions to serve in the capacity as advisory bodies to the City Council:

Planning Commission
Civil Service Commission
Parks and Recreation Commission
Health and Education Commission
Historic Preservation Commission
Youth Commission (pending approval).

This Resolution is intended to govern and supersede all prior resolutions establishing and amending member qualifications, organizational rules, guidelines and structure for City Commissions and hereby repeals all provisions in conflict with the provisions contained herein by the adoption of the revised provisions below. This Resolution will also govern over provisions of City ordinances currently in existence, but which will be repealed or amended for consistency with this Resolution. This Resolution shall also govern and control any additional Commission created by the City Council in addition to those enumerated above.

SECTION 2: Membership.

All City Commissions shall consist of five (5) members, with the exception of the Youth Commission which shall consist of ten (10) youth from the City as defined below. All members of each Commission shall be a resident of the City of Huntington Park, however, at the City Council's discretion, no more than two (2) Commissioners for any Commission may be non-Huntington Park residents. Each person seeking appointment to a Commission shall complete an application provided by the City and submit to a Live Scan background check before being appointed to a Commission and before being sworn in to office.

1 **SECTION 3: Appointment, Reappointment and Removal.**

2 Each member of the City Council shall have authority to appoint one (1)
3 member to each Commission, with the exception of the Youth Commission, which
4 shall consist of two (2) members appointed by each City Councilmember. Each
5 Councilmember shall appoint their Commissioners within sixty (60) days of assuming
6 office, or from the adoption of this Resolution, or from a vacancy occurring for said
7 Commission position for that respective Councilmember appointment. If no
appointment is made within sixty (60) days of assuming office, or from the adoption of
this Resolution, or from a vacancy occurring for said Commission position, the Mayor
shall appoint a member to the vacant seat.

8 Commission members may be removed from their appointment due to
9 disqualification as provided for in this Resolution or upon the sole decision by the
10 Councilmember who appointed that Commissioner. All appointments or removal of
11 Commissioners shall occur at an open meeting of the City Council. If removal of a
Commissioner occurs, the City Clerk shall send notice to that Commissioner at the last
address on file with the City.

12 **SECTION 4: Term of Office.**

13 Each Commissioner's term shall be for a period of four years, unless removed
14 by the appointing Councilmember or as a result of disqualification as set forth herein.
15 Notwithstanding the foregoing, no Commissioner shall serve for a period which
16 exceeds the time in office for the Councilmember appointing that Commissioner. In
17 the event that the appointing Councilmember completes his or her term, vacates their
18 office or otherwise is no longer holding office, the term of the Commissioner appointed
by said Councilmember shall end. However, nothing contained in this section shall
prevent another Councilmember or the new Councilmember from appointing the
individual back to the same Commission or to a different Commission.

19 **SECTION 5: Vacancy Due to Disqualification.**

20 When a member no longer meets the qualifications for the Commission, the
21 member is therefore disqualified, and the office shall thereupon become vacant.

22 **SECTION 6: Vacancy.**

23 If for any reason a vacancy occurs, it shall be filled by appointment by the
24 member of the City Council who appointed said Commissioner for the unexpired
portion of such term.

25 **SECTION 7: Quorum.**

26 A majority of the total number of members of the Commission shall constitute a
27 quorum for the transaction of business, but a lesser number may adjourn from time to
28 time for want of quorum and until a quorum can be obtained.

1 **SECTION 8: Purpose.**

2 The purpose, duties and responsibilities of each Commission shall be
3 established by the City Council by ordinance and codified in the Huntington Park
4 Municipal Code.

5 **SECTION 9: Organization.**

6 Annually in the month of March, the Commission shall elect one of its members
7 as Chair and Vice-Chair. City staff shall act as the Commission Secretary. Staff
liaisons shall act as the conduit for all communications to the City Council.

8 **SECTION 10: Meetings.**

9 Regular meetings of the Commission shall be as set by each Commission. The
10 place of such meetings shall be at City Hall unless otherwise designated by the City
11 Council or approved by a majority of the total membership of the Commission. When
12 the day for such regular meetings falls on a legal holiday, the meeting shall not be
13 held on such holiday, but shall be held at the same hour on the next succeeding day
14 thereafter which is not a holiday. All meetings of the Commission shall be open and
15 public, and subject to all laws of the state of California e.g. the Brown Act, governing
open public meetings. The Commission shall adopt its own rules for the transaction of
its business and keep a record of resolutions, findings and recommendations and
actions voted upon. A report of each meeting of the Commission shall be given to the
City Council.

16 **SECTION 11: Termination of Commission.**

17 Termination of the Commission shall be done at the will and vote of the City
18 Council.

19 **SECTION 12: Compensation.**

20 Commission member compensation shall be set by resolution of the City
21 Council.

22 **SECTION 13: Commission Handbook.**

23 All Commission Members must adhere to the provisions contained and
24 referenced in the City of Huntington Park Commission Handbook as approved by the
City Council.

25 **SECTION 14:**

26 The City Clerk shall certify to the adoption of this Resolution.
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PASSED, APPROVED AND ADOPTED THIS 18th day of May, 2015.


Karina Macias
Mayor

ATTEST:


Donna G. Schwartz, CMC
City Clerk

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CERTIFICATION

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) SS
CITY OF HUNTINGTON PARK)

I, Donna G. Schwartz, City Clerk of the City of Huntington Park, California, do hereby certify that the foregoing Resolution No. 2015–19 was duly passed and adopted by the City Council of the City of Huntington Park at a regular meeting of the City Council held on the 18th day of May, 2015, by the following vote, to wit:

AYES: Council Member(s): Pineda, Sanabria, Vice Mayor Ortiz, Mayor Macias
NOES: Council Member(s): None
ABSENT: Council Member(s): Amezcuita

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Seal of the City of Huntington Park, this 20th day of May 2015.


Donna G. Schwartz, CMC, City Clerk

ITEM 6



CITY OF HUNTINGTON PARK

Finance Department
City Council Agenda Report

September 17, 2024

Honorable Mayor and Members of the City Council
City of Huntington Park
6550 Miles Avenue
Huntington Park, CA 90255

Honorable Mayor and Members of the City Council:

CONSIDERATION AND APPROVAL TO PURCHASE OF AN INTEGRATED MOTOROLA COMPUTER-AIDED DISPATCH AND RECORD MANAGEMENT SYSTEM WITH A MOTOROLA SECURITY CAMERA SYSTEM AND ENTRANCE MANAGEMENT CONTROL SYSTEM

IT IS RECOMMENDED THAT CITY COUNCIL:

1. Authorize an expenditure of \$3,179,635.35 to purchase and install the Motorola Integrated Flex Suite, CommandCentral Aware, and Avigilon Video Security System from Motorola Solutions, Inc., along with optional cybersecurity protection; or
2. Authorize an expenditure of \$1,968,447.20 to purchase and install the Avigilon Video Security and Access Control System from LANWAN Enterprise, Inc.; and
3. Authorize the City Manager to negotiate and execute the agreement for the selected option.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The current computer-aided dispatch and record management system, security camera and door entrance management system are in need of replacement due to the age of the equipment or is no longer able to efficiently support the operation of the City.

CONSIDERATION AND APPROVAL TO PURCHASE OF AN INTEGRATED MOTOROLA COMPUTER-AIDED DISPATCH AND RECORD MANAGEMENT SYSTEM WITH A MOTOROLA SECURITY CAMERA SYSTEM AND ENTRANCE MANAGEMENT CONTROL SYSTEM

September 17, 2024

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Motorola presents a unique product that would allow the City to integrate the three systems, ultimately allowing City employees to spend less time on report writing due to the integration, i.e. type information once among department divisions and seamlessly pull still images or video into reports from the various camera systems, including the License Plate Readers and Automatic License Plate Readers. The system also provides an opportunity to integrate video from the business community to allow emergency personnel the ability to have a visual awareness of the emergency call prior to arrival. The purchase of the complete system will add to the overall safety of the community, City staff and City resources.

Both proposals for consideration will integrate with our existing resources and will scale based on the City's future needs. The CAD system includes a GIS server, which can be leveraged to fulfill requirements by State and Federal agencies that relate to Water and Sewer Systems and Community Development reporting requirements.

City staff has spent the last year researching different solutions for each aspect of the current proposals.

Computer-Aided Dispatch (CAD) and Record Management

The City has been using the current system, Tri-Tech, for 20 years and it is no longer able to integrate new technology and requires staff to re-type data into different reports. The Police department had initially committed to a new Central Square solution but became aware of reporting issues that had become problematic for other agencies. The City was able to cancel the transition which allowed to initiate a new search for a CAD and Record Management system to begin.

The Motorola solution provides the ability of interagency information sharing in real-time, which would allow the City of Huntington Park to not only share information with surrounding agency's using the Motorola system but also allow the City to receive information from the same agencies. The inter-agency functionality will enhance the safety of the residents.

Currently in the Area E the Cities of Bell Gardens, Downey, South Gate, and within Los Angeles County areas the El Monte and Torrance are few agencies using the Motorola CAD and record management system. Overall, within California there are 200+ agencies using the Motorola CAD and Record Management system and two of our neighboring agencies are considering the same Motorola system; nationwide over 1,800 police and sheriff's departments are using the Motorola system.

Security Camera and Entrance Management Control System

CONSIDERATION AND APPROVAL TO PURCHASE OF AN INTEGRATED MOTOROLA COMPUTER-AIDED DISPATCH AND RECORD MANAGEMENT SYSTEM WITH A MOTOROLA SECURITY CAMERA SYSTEM AND ENTRANCE MANAGEMENT CONTROL SYSTEM

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The City's security camera and entrance management control systems need upgrades. The current camera system has attempted to combine multiple brands across the Parks, Public Works, City Hall and Police buildings. Veteran's Park and Water Well sites do not currently have the same level of security as the other locations. The entrance management control system is different between city locations, causing employees to have multiple key cards to enter different buildings.

The current camera systems have maxed their capacity of adding additional camera's to be added and the systems are not upgradable or further scalable. The City is experiencing failures of the cameras, the recording devices and entrance management systems that puts the City at risk of loss of equipment, safety concerns for employees and increases the potential for lawsuits.

Both the security camera and entrance management control system are independent of each other; however, the systems are designed to work together seamlessly with the CAD system. Additionally, both are infinitely scalable. The security camera package comes with the option of allowing the business community to share their video feeds with the Police Department to provide greater visibility to emergency calls thereby increasing the safety of the community and City employees.

Motorola Solutions, Inc.

The City currently maintains contracts with Motorola Solutions, Inc. for essential communication tools, including ICI, handheld, mobile, and vehicle radios, push-to-talk capabilities on cell phones, and License Plate Reader (LPR) systems and cameras that will integrate with our CAD system. The solution under consideration from Motorola Solutions, Inc. was procured through Sourcewell, a Minnesota public agency that specializes in competitively bidding on a wide range of goods and services for its member agencies.

The relevant Sourcewell contracts—042021-MOT and 051321-MOT—have been competitively bid, allowing the City to purchase hardware, software, and services directly from Motorola Solutions, Inc. Under Government Code Section 6502, public agencies like the City of Huntington Park can enter into cooperative purchasing agreements with other public agencies, including out-of-state entities like Sourcewell. This arrangement allows the City to purchase hardware, software, and services directly from Motorola Solutions, Inc. without conducting a separate competitive bid process, as this has already been done by Sourcewell.

The City is leveraging the legally recognized cooperative purchasing agreements with Sourcewell. This ensures that we benefit from the competitive pricing structure negotiated

CONSIDERATION AND APPROVAL TO PURCHASE OF AN INTEGRATED MOTOROLA COMPUTER-AIDED DISPATCH AND RECORD MANAGEMENT SYSTEM WITH A MOTOROLA SECURITY CAMERA SYSTEM AND ENTRANCE MANAGEMENT CONTROL SYSTEM

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by Sourcewell, thereby saving time and resources while adhering to legal procurement standards.

LANWAN Enterprise, Inc.

Similarly, the City currently has professional services agreements in place with LANWAN Enterprise, Inc. for Information Technology support and services since 2016. Additionally, LANWAN is recognized as a certified CMAS contractor by the California Department of General Services ("DGS"). Included in LANWAN's proposal is the desired equipment, the corresponding CMAS numbers, the number of units and the unit price. Also included are copies of the relevant DGS Multiple Award Schedules and the corresponding CMAS numbers.

Public Contract Code Sections 10290 et seq. and 12105.5, include the approval for local government agencies to use California Multiple Award Schedule Contracts (CMAS) for acquisition of information technology and non-information technology products and services. Public Contract Code 10298 and 10299 authorizes local government agencies to use CMAS without competitive bidding.

The City Council may consider the CMAS authorization for the use of Information Technology Goods and Services for CMAS contract to LANWAN Enterprise, Inc. for the procurement and Installation of the Avigilon Security Video Management and Access Control Solutions.

FISCAL IMPACT/FINANCING

The total expenditure of \$3,179,635.35 will cover the cost of hardware, software, and installation for the integrated solution. While this is a higher upfront cost compared to the LANWAN proposal, the Motorola system provides significantly greater functionality, future scalability, and overall public safety benefits, making it a responsible and necessary investment.

The combined purchase price is for a not to exceed \$3,179,635.35. The funds will come from five sources: ARPA, Asset Forfeiture, CalCops Grant, JAG2020 Grant & SHSGP Grant funds. The Council previously set aside \$2,000,000 in ARPA funds, there is \$28,308 from the JAG2020 Grant, \$42,000 from SHSGP with the remaining balance plus taxes to be divided between the Asset Forfeiture and Cal Cops Funds. The remaining split amount will depend on the direction provided by Council.

There will be additional and ongoing costs not included in the options presented as follows:

CONSIDERATION AND APPROVAL TO PURCHASE OF AN INTEGRATED MOTOROLA COMPUTER-AIDED DISPATCH AND RECORD MANAGEMENT SYSTEM WITH A MOTOROLA SECURITY CAMERA SYSTEM AND ENTRANCE MANAGEMENT CONTROL SYSTEM

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1. Adding power to camera locations at the water well sites – cost still to be determined
2. GIS Technician – needed for the GIS server to be used by both Tyler Munis and CAD system – present day cost is \$115/hr
3. Cellular service for cameras at Veterans Parks and Water Wells, current estimates is \$40/month per device
4. On-going maintenance for the systems – costs still to be determined

CONCLUSION

The purchase and integration of these systems will improve city operations, increase safety, and provide the City with future scalability. Upon Council approval, staff will proceed with the recommended actions.

Respectfully submitted,



RICARDO REYES
City Manager



JEFF JONES
Director of Finance

ATTACHMENT(S)

1. Motorola Solutions, Inc. Proposal
2. LANWAN Enterprise IT Solutions Proposal



Proposal

City of Huntington Park, CA

Integrated Flex Suite, CommandCentral Aware, and Video Security Solution

June 28, 2024

The design, technical, and price information furnished with this proposal is proprietary information of Motorola Solutions, Inc. (Motorola). Such information is submitted with the restriction that it is to be used only for the evaluation of the proposal, and is not to be disclosed publicly or in any manner to anyone other than those required to evaluate the proposal, without the express written permission of Motorola Solutions, Inc.

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Motorola Solutions, Inc.
500 W. Monroe Street, Suite 4400
Chicago, IL 60661

June 28, 2024

Jeff Jones
Director of Finance
City of Huntington Park
6542 Miles Avenue
Huntington Park, CA 90255

RE: Integrated Flex Suite, CommandCentral Aware, and Video Security Solution

Dear Mr. Jones:

Motorola Solutions, Inc. ("Motorola") appreciates the opportunity to provide the City of Huntington Park ("City") with this quote for quality communications equipment and services. Motorola's team has taken great care to propose a solution to address your needs and provide exceptional value.

The proposed integrated solution for the City includes the following elements:

- Flex Suite, consisting of Computer-Aided Dispatch (CAD), Records Management System (RMS), Mobile, and Non-Custodial Software.
- CommandCentral Aware – Situational Awareness Software.
- Avigilon Video Security and Analytics Solution.
- Access Control Solution.
- Rave Mobile Reach.
- Cybersecurity Solution (Optional).

Motorola's proposal is subject to the Sourcwell Cooperative Purchasing Contracts entered into between Motorola Solutions and Sourcwell, 042021-MOT and 051321-MOT, the terms and conditions of the enclosed Sourcwell Motorola Solutions Customer Agreement (Sourcwell MCA), together with the accompanying Addenda. The City may accept the proposal by delivering the Sourcwell MCA signed by an authorized representative of the City of Huntington Park. Pricing will remain valid for 60 days from the date of this proposal.

Any questions the City has regarding this proposal can be directed to your Motorola Account Executive, Denis Redzepagic at 619-577-3619 or denis.redzepagic@motorolasolutions.com.

Our goal is to provide the City of Huntington Park with the best products and services available in the public safety industry. We thank you for the opportunity to present our proposed solution, and we hope to strengthen our relationship by implementing this project.

Sincerely,



Jerry Burch
Territory Vice President
Motorola Solutions, Inc.

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Section 1

Executive Summary

Attached is an Executive Summary of our proposed solution.



Huntington Park, CA

Integrated Flex Suite, CommandCentral Aware
and Video Security Solution



Thank you for considering Motorola Solutions as your trusted partner to meet your public safety needs. We are eager to expand on our partnership and provide you with the best products and services available in the industry. With our expertise and commitment to excellence, we are confident in our ability to meet your requirements and support your goals.

Motorola's Commitment to Public Safety

Motorola Solutions has a long history of serving the public safety sector. As a leader in the industry, we have developed innovative solutions that have been trusted by thousands of agencies across the country. Our advanced technology, including real time crime center, high-resolution cameras, AI-powered video analytics, and improved communications systems, has helped to enhance facility safety, streamline operations, and improve incident detection. With our extensive investment in research and development, we are continuously improving to meet the evolving needs of our customers.

Solving for safer

At Motorola Solutions, our commitment to "*solving for safer*" is at the core of everything we do. We understand the challenges faced by public safety agencies and are committed to providing them with the tools and technologies they need to respond effectively to emergencies and protecting their communities. Our end-to-end ecosystem of public safety tools, combined with our expertise and experience, allows us to deliver comprehensive solutions that enable faster, more coordinated responses and enhanced situational awareness.



Technology That Meets Your Needs

Flex Suite

The Flex suite will provide Huntington Park with an integrated CAD, Records, Mobile, and Non-Custodial Booking solution, designed for real-time response and quick, intuitive processes. It offers the complete package, with more than 60 off-the-shelf modules, an end-to-end software experience, fully synced mission-critical communications, access to trusted video, and security analytics.

- **Flex CAD:** Users easily share call information, manage multiple disciplines, and keep all parties informed and up-to-date with the latest call information. Features customizable screens and functions, integrated records and data, quick CAD commands, and real time alerts and timers.
- **Flex RMS:** Users easily generate content for crime analysis, presentation, and archiving by pulling preformatted reports from the system or configuring customized reports as needed. Data is entered and accessed through a single-source database.
- **Flex Mobile:** Users easily manage incident details, access necessary data, and complete reports from the field with a suite of modules focused on mobility to extend Flex CAD and Records to first responders' devices.
- **Non-Custodial Booking:** Users easily gather system-wide corrections data, creating seamless data flow to process inmates from start to finish more efficiently. Enhances safety with the ability to flag records, and simplifies booking processes and jail log information by supporting multiple offenses on a single entry.

Avigilon Unity 8 - Video Security & Analytics Solution

To meet Huntington Park's city-wide camera needs, Motorola is proposing Avigilon Unity 8 which is Avigilon's Video Security & Analytics Solution latest and most advanced version of Avigilon Control Center (ACC™) video management software. It is designed to bring the right information to you so that you can take action. Unity 8 provides an easy-to-use, AI-enabled user interface to help ensure critical events do not go unnoticed. Avigilon's Next Generation Analytics delivers improved accuracy in both perimeter protection and in crowded, indoor environments:

- AI Powered Notifications and Events
- Expanded Object Classification
- Appearance Search and Unusual Motion and Activity Detection
- Advanced Pattern-based Analytics
- Teach-by-example Technology; Powerful Forensics; Actionable Data
- Focus of Attention





CommandCentral Aware

CommandCentral Aware will provide Huntington Park Police Department a complete operating picture, integrating real-time intelligence in the command center to remotely assist officers in the field. Simplify your operational view by consolidating your resources into one single pane of glass and support officer safety by monitoring real-time alerts and accessing nearby video feeds.

- **A complete and immersive operating picture:** CAD operators can view locations, personnel availability, and alerts from a single, custom-designed position. Users can view information from disparate sources on a single map, with all related information correlated in one place. Rule sets trigger automated actions based on specific event occurrences.
- **Reliable Threat Detection and Verification:** Integrated, real-time video streams from any video management system provide immediate visibility for problem locations. Feeds can be organized into camera groups and benefit from camera sources automatically associated with events. Users can also run federated queries for more information about suspicious activity.
- **Seamless Communication with Field Personnel:** Command Center personnel can connect directly with personnel in the field for the immediate sharing of information. Collaborate via voice communications as well as text and multimedia messaging to share video, pictures, incident updates or query and search results.





ActiveEye Managed Detection Response

Motorola's ActiveEye platform powers our managed cybersecurity services, enabling the deployment of Managed Detection and Response (MDR) capabilities across your organization. Easily integrating with the systems and tools you already use, ActiveEye uses advanced automation to eliminate the noise from millions of cyber events, allowing our experienced Security Operations Center (SOC) analysts or your internal security team to focus on actual threats to resolve them faster. With a transparent, co-managed view, you can see what our SOC analysts see and what actions have been taken to protect your vital assets.

- **Visibility Into It Networks, Endpoints, Cloud And More:** ActiveEye integrates with and monitors Motorola Solutions systems, such as ASTRO, VESTA 9-1-1, PremierOne, Flex and more. It can help you meet compliance requirements and detect IT network threats with security monitoring, log retention, advanced reporting and threat intelligence, and protect workstations and mobile devices with advanced Endpoint Detection and Response (EDR) for rapid threat detection, asset discovery, traffic analysis and log collection. ActiveEye also protects assets in the cloud, monitoring configuration settings and network anomalies to keep SaaS accounts and cloud infrastructure safe.
- **Evaluate Actual Versus Perceived Threats:** ActiveEye uses advanced automation to filter out more than 95 percent of false alerts and to rank-order the remaining alerts, so our SOC analysts are focused on the highest risks. Activities that start with a low urgency score can quickly increase as the virtual analyst capabilities within ActiveEye evaluate current context and how the SOC handled similar situations in the past.
- **Respond Faster With Interactive Incident Investigations:** ActiveEye puts a simple, intuitive investigation capability at the fingertips of even non-security experts, enabling you to see related alerts, whether they're open or closed. With ActiveEye, you get the same visibility into what's happening in your environment that our SOC analysts have.
- **Easily Define And View Key Metrics:** Be sure your staffing level is appropriate and effective while knowing when and where to grow, or leave it to our SOC to manage so you can have peace of mind knowing that key performance indicators for your systems, networks and applications are being monitored 24/7 by our team of experts.



A Solution That is More Than the Sum of its Parts



Motorola believes that each piece of technology in this proposal is well-suited to your needs - and we hope that you will agree. But Motorola's strategy for helping communities like Huntington Park Police Department doesn't stop with individual pieces of technology.

Motorola believes that the future of public safety demands products that work together, channeling streams of undifferentiated data into a steady supply of actionable information that protects residents and builds safer communities. In support of that goal, Motorola has developed a robust ecosystem of public safety solutions that combines voice, video, messaging, location, and security services – to make the job of public safety easier, faster, and more effective.

The technology in this proposal has been designed to work as part of the industry's most powerful end-to-end suite for mission critical operations. These products work together seamlessly, enhancing each other's individual capabilities, so that each solution we propose is even more than the sum of its parts. Here are some of the benefits that you could realize by adding this technology to your current roster of Motorola products:

- **Integrations between Flex Suite and your existing MCC 7500E consoles:** The Flex Suite integrates seamlessly with the Motorola Solutions MCC 7500E console, allowing for quick access to key console functionality directly within the Flex Computer-Aided Dispatch (CAD) application. This integration streamlines operations and reduces time from call receipt to call dispatch.
- **Integrations between Flex Suite and your existing APX radios:** The Flex Suite is designed to work seamlessly with Motorola Solutions' APX radios. With GPS-equipped APX radios, field personnel can have real-time visibility for better dispatch decisions. Data-equipped APX radios provide immediate unit identification and location on the Flex CAD and Mobile map display when the emergency button is pressed in the field.
- **Integrations between Flex Suite and your existing Vesta solution:** The Flex Suite integrates with the Vesta NG-911 Call Handling System, allowing call takers to answer incoming Vesta NG-911 calls from within the Flex CAD application. This integration provides a simplified user interface and expedites the call taking and incident handling process.





Implementation

Motorola is committed to a seamless and efficient implementation process for our customers' new technology. We understand the importance of minimizing disruptions and ensuring a speedy installation. To achieve this, we follow industry-standard practices outlined in the Product Management Body of Knowledge (PMBOK). Our extensive experience with similar projects allows us to apply best practices and lessons learned to deliver the best possible outcomes. With a focus on project management excellence and adherence to industry standards, Motorola is dedicated to providing a smooth and successful implementation experience for our customers.

Service and Support

Motorola Solutions is dedicated to ensuring the sustainability and ongoing performance of its solutions. With extensive local resources, including Motorola employees and Motorola-certified service partners, Motorola can provide support and service at any time, 24 hours a day. This commitment to accessibility and responsiveness means that customers can rely on Motorola to quickly address any technical issues or concerns that may arise. Whether it's routine maintenance or troubleshooting and repair, Motorola's team of qualified technicians is equipped to keep the solution operating at its best. With a proven track record in comprehensive sustainment plans and a focus on customer satisfaction, Motorola Solutions is a trusted partner in providing top-notch service and support.

Summary

- **Why Motorola?** Motorola Solutions has a long history of serving the public safety sector and is a trusted leader in the industry. With innovative solutions and advanced technology, Motorola is well-equipped to meet the evolving needs of customers.
- **Key benefits of the products mentioned:** The products offered by Motorola, such as high-resolution cameras, AI-powered video analytics, and improved communications systems, enhance facility safety, streamline operations, and improve incident detection. These solutions provide accurate threat detection, efficient data analysis, effective communication, and decisive incident response.
- **Seamless implementation:** Motorola follows industry-standard practices outlined in the PMBOK to ensure a seamless and efficient implementation process. With extensive experience and a focus on project management excellence, Motorola strives to deliver the best possible outcomes and minimize disruptions.
- **Continuous working of the new technology:** Motorola Solutions is dedicated to ensuring the sustainability and ongoing performance of its solutions. With extensive local resources and a commitment to accessibility and responsiveness, Motorola can quickly address any technical issues or concerns that may arise, keeping the solution operating at its best.





To learn more, visit:

www.motorolasolutions.com



MOTOROLA SOLUTIONS

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Availability note (for example: Not available in Canada. Only available in Australia. Available in Europe.)

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Section 2

Solution Overview

The City of Huntington Park is continuously scaling its day-to-day operations to meet the growing needs of the City, and hence the need to collect, analyze, and display various data streams intelligently is becoming more critical than ever. Disparate sources of information need to be organized and processed in a way that provides the right information to the right people to make quick accurate decisions in the moments that matter.

In this mission of the City to build, refresh and scale their operations and technology, integrating technologies from various sources seamlessly and accurately is of critical importance. As a long-term public safety partner to the City of Huntington Park, Motorola Solutions understands the needs and growth plans of the City. We are proud to be able to offer an entire end-to-end suite of public safety products, starting with community engagement and moving through the public safety life cycle all the way to inmate management. Motorola's extensive public safety ecosystem not only allows the City of Huntington Park to integrate their existing solutions like VESTA 911, and P25 LMR Radio System into the solution but also provides access to the ever-growing and evolving portfolio of solutions in the pursuit of building a truly integrated solution.

Motorola strongly believes that investment in a single-vendor solution across various stages and public safety functionalities provides many efficiencies and cost-saving benefits that will put the City of Huntington Park in the best position possible for the future. The Solution proposed in this offering definitely focuses on the specific needs you have today, but also builds for the entire organization in years to come.

The following solutions are included as a part of this proposal:

- Flex Suite, consisting of Computer-Aided Dispatch (CAD), Records Management System (RMS), Mobile, and Non-Custodial Software.
- CommandCentral Aware – Situational Awareness Software.
- Avigilon Video Security and Analytics Solution.
- Access Control Solution.
- Rave Mobile Reach
- Cybersecurity Solution (Optional).

The sections below provide a details understanding of what is proposed and how it will integrate seamlessly into CommandCentral Aware meeting the needs of the City along with the corresponding statement of work.

Section 3

System Description

3.1 Flex CAD/RMS/Non-Custodial Solution Summary

The Flex Suite		
Flex Integrated Hub	✓	The foundation of every Flex solution. Stores and shares information between Flex applications.
Flex Computer-Aided Dispatch – Standard	✓	Enables dispatch personnel to access mission-critical information, and effectively manage calls for individual and multi-jurisdictional agencies.
Flex Computer-Aided Dispatch – Plus	✓	Enhances Flex CAD with the ability to store defined incident response plans, record hazard data on properties within a jurisdiction, and track alarms and manage fees.
Flex Mobile – Computer-Aided Dispatch	✓	Allows field personnel to access accurate, real-time call information from their laptop computers, as well as update their status, add and view call comments, and access radio logs and incident information without burdening dispatchers.
Flex Mobile – Records	✓	Allows field personnel universal data access. Field narratives and image display options provide tools to manage and search records from the field.
Flex Records Management System – Standard	✓	Consolidates law incident records into one database, simplifying incident and case management reporting. Tracks complaints, victims, offenders, suspects, witnesses, evidence, vandalism, arson, vehicles, or stolen and recovered property.
Flex Records Management System – Plus	✓	Enables users to manage inventory, as well as record and track licenses and permits, civil processes, impounded vehicles details, pawned property, as well as equipment and fleet maintenance.
Non-Custodial	✓	Gathers system-wide corrections data, creating seamless data flow, and allowing users to process inmates from start to finish more efficiently. Enhances safety with the ability to flag records, and simplifies booking processes and jail log information by supporting multiple offenses on a single entry.
ActiveEye Managed Detection and Response	✓	Provides access to the ActiveEye Security Platform, along with 24/7 support from specialized cybersecurity experts who monitor mission-critical computer-aided dispatch (CAD) servers, workstations, and mobiles for indicators of threats and remediate them if needed.

3.2 Hardware Specifications

Solution Summary	
One (1) HPE DL360 Gen 11 Server	
	<ul style="list-style-type: none"> One (1) Intel® Xeon® Silver 4416+ Processor. <ul style="list-style-type: none"> » Twenty (20) 2.00 GHz / 3.90 GHz (Turbo) Cores. 256 GB Memory. Four (4) 1GbE Base-T Ports plus two (2) - 1/10GbE Base-T Ports. 7.1TB Useable Flash Storage expandable to 21.2TB Useable. 5-Years of 24x7x4 hardware support with keep your hard drive add-on. Six (6) Windows Server virtual machine licenses. One (1) Red Hat Enterprise Linux Subscription with 5-years of support for two (2) virtual machines.
VMware Software	
	<ul style="list-style-type: none"> Twenty (20) cores of vSphere Standard Subscription for 5-years (includes support).
Backup Software and NAS Storage	
	<ul style="list-style-type: none"> 5-year Veeam Universal Subscription for ten (10) virtual machines. One (1) Synology RS822+ NAS device with three (3) 16TB 7200 RPM SATA drives. <ul style="list-style-type: none"> » 16TB of useable storage, expandable to 32TB.
Solutions II Professional Services	
	<ul style="list-style-type: none"> On-site installation and integration of the solution into the Agency's existing environment. 5-hours of Solutions II Support for assistance with the environment after installation.

3.3 Flex CAD, Records and Non-Custodial Management Solution

3.3.1 Flex Integrated Hub General Functionality

3.3.1.1 General Hub

Flex's Hub design allows all information to be entered, stored, and extracted in real-time. Additionally, all applications in the system reference the same repository of information, preventing duplicate data entry and saving time. Lastly, it provides agencies with instant access to information as soon as they enter it into the system. The Flex system provides these time-saving benefits with the following technology:

- Centralized database.
- Central tables that cross-reference information system-wide.

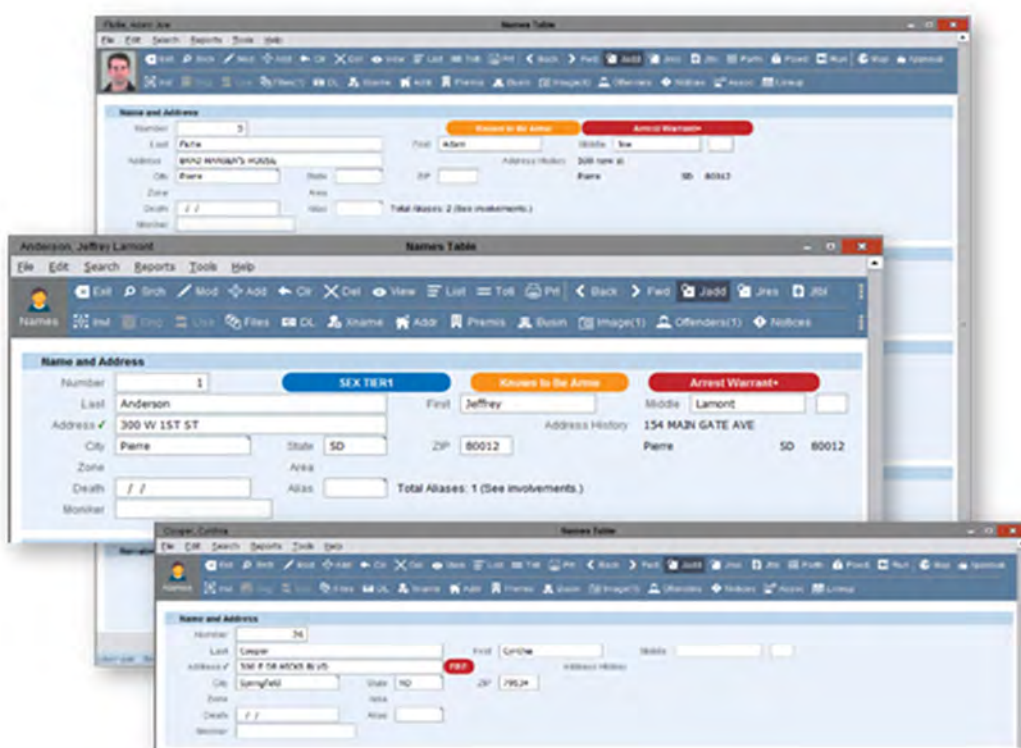


Figure 3-1: Master tables show users critical information that is referenced across all

The system's master tables share information among all modules in real-time. Because our Integrated Hub automatically transfers data between all Flex applications, our customer agencies have immediate access to all data from the moment it is entered. To facilitate this integration, the system features several central tables that cross-reference information system-wide, including names, vehicles, wanted persons, and property.

3.3.1.2 Imaging

The Flex Imaging module allows agencies to create a library of full-color digital images that are fully searchable from anywhere in the system. Mug shots, accident photos, and other images can be stored in multiple locations throughout the system and viewed by other users. The program is an all-in-one application for importing, organizing, editing, and sharing photos. Because it connects seamlessly with other modules in the Flex software, agencies are able to do more with their information.

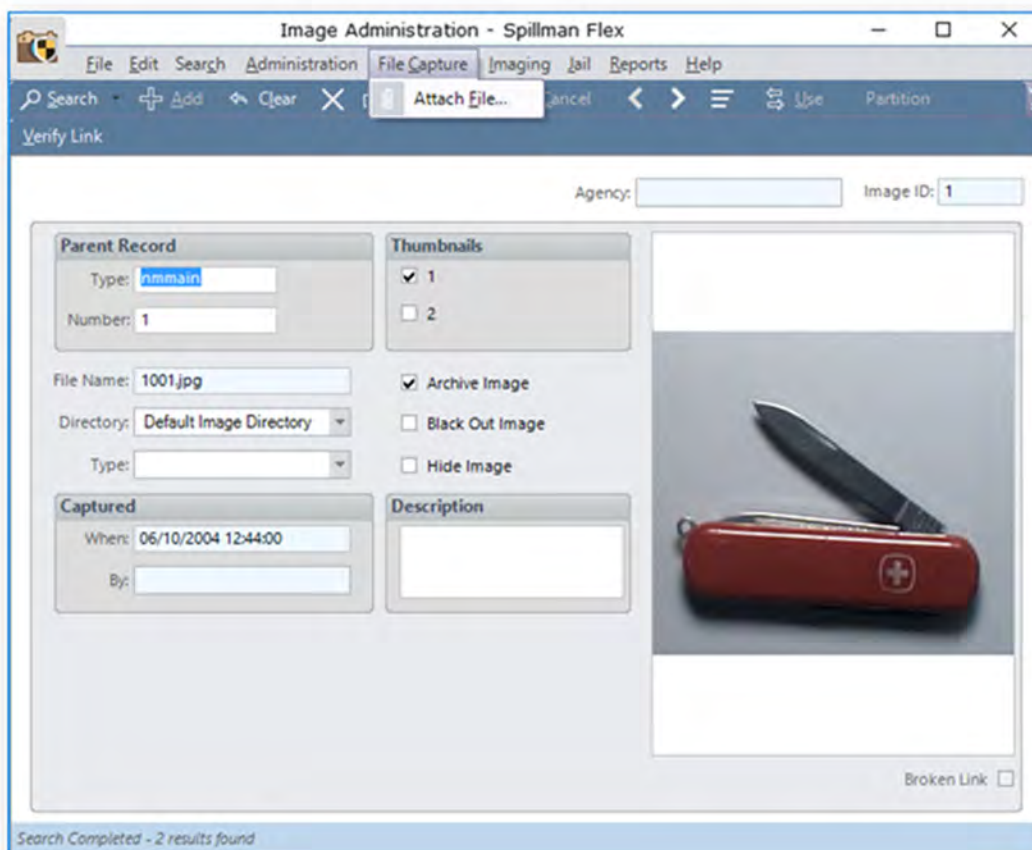


Figure 3-2: Users can attach images, video, document, audio files directly to a file.

3.3.1.2.1 Unlimited Capture Workstations

Flex customers can choose to make every user workstation an image capture station at no extra cost. No extra licenses are needed to operate our Imaging module, and users benefit from the convenience of unlimited capture workstations, while agencies take advantage of the long-term savings.

3.3.1.2.2 Quick View of Images

Images appear as thumbnails on all Flex records. Click the thumbnail to view the image, or any archived image. Users can see differences between new and old images, allowing personnel to determine if a subject has changed his or her appearance.

3.3.1.2.3 File Description

Users can quickly access information about each file attached to a particular record. Flex's File Capture feature allows users to enter the complete name of each file and create an accompanying description. Icons displayed on the record enable users to see what types of files are attached without opening them.

3.3.1.2.4 File Capture Technology

Flex's File Capture feature allows users to quickly organize images and other files. Users can easily add files to a record by dragging and dropping them onto the correct field. They can do this with single or multiple files. Users can also create an accompanying description for each file to promote easy content identification by other users.

3.3.1.2.5 Intuitive Editing Features

The Imaging module gives users access to several tools for enhancing and editing the quality of digital images. For example, if photos taken at an accident scene are less vivid than expected, users can easily adjust brightness, sharpness, and contrast with the click of a button. Users can also rotate and resize images as needed.

3.3.1.3 Geographic Information Systems (GIS)

GIS technology is at the core of Flex's mapping technology. GIS helps users make proper decisions based on accurate location information. We partner with Esri®, the nation's most trusted mapping provider to leverage the latest technology. Flex GIS interfaces directly with the Esri® ArcGIS server, eliminating an agency's need to load mapping information into the local database.

3.3.1.3.1 Dispatch-Friendly Features

Flex's GIS solution maximizes dispatchers' use of the system. It automatically routes every call to the correct dispatcher, and reduces the likelihood of responding to the same incident twice. Additionally, our solution gives dispatchers the tools to make sure the closest unit responds to a given call. Flex provides these solutions with:

- Zone assignments.
- Alerts for duplicate calls.
- Directions to call locations.
- CAD Mapping and Mobile AVL.

3.3.1.3.2 Common Place Names

Agencies can customize the Flex GIS solution to reflect specific jurisdictions. Agency-defined common place names save users time by allowing them to input place names instead of street addresses. For example, users can enter "State Capitol" instead of the capitol's street address. The system also accommodates landmarks, mile markers, highway exits, street intersections, and overpasses based on how the agency builds the database.

3.3.1.3.3 Accurate Address Verification

Flex's GIS solution optimizes agency responses, eliminates confusion, improves accuracy, and gives users the ability to quickly identify correct addresses when the system cannot find an exact match. The system's address verification does this by displaying:

- Accurate and verified geographic information.
- Specific addresses and intersections, including x- and y-coordinates.
- Color-coded address candidates.
- Flex's Address Selection screen.

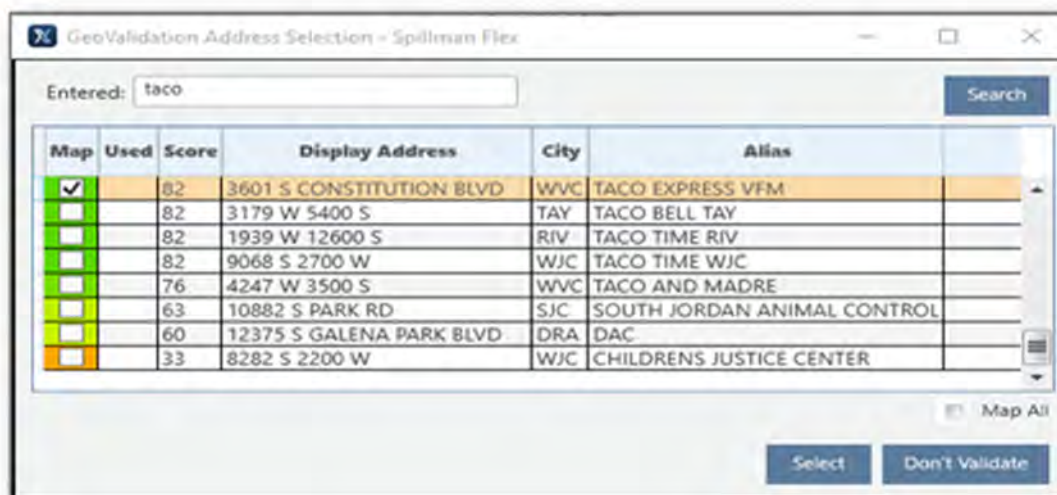


Figure 3-3: Address options are scored for relevance and color coded for easy understanding

3.3.1.3.4 Reverse Geocoding

Flex GIS simplifies operations by translating geographic coordinates into estimated addresses plotted on a map. By reverse geocoding data, users can quickly select the appropriate location for any situation. When users enter coordinate data, the software displays a list of all matching addresses.

3.3.1.3.5 Safe Incident Response

Our GIS solution improves officer safety by notifying users of warrants, alerts, and past criminal incidents associated with an address. Visual alerts allow users to make informed decisions and prepare for any possible scenario. For example, address alerts appear in red, and indicate details about any previous incidents. If an address has multiple alerts, a plus sign (+) appears at the end of the alert.

3.3.1.4 Active Directory

The system's master tables share information among all modules in real-time. Because our Integrated Hub automatically transfers data between all Flex applications, our customer agencies have immediate access to all data from the moment it is entered. To facilitate this integration, the system features several central tables that cross-reference information system-wide, including names, vehicles, wanted persons, and property.

The Flex Active Directory Integration Tool is a feature of the Flex product designed to simplify the user login process and streamline the management of user accounts. Once configured, the feature is transparent to end users, allowing them to log into the Flex product using their standard Windows username and password. Administration of the tool is managed within a Flex web application.

Active Directory integration is available for Windows and Linux customers with Multi Domain Active Directory. There is currently no solution for AIX customers.

Benefits

- Simplified Administration - User authentication and group membership are managed in a single place, Microsoft Active Directory.
- Fewer usernames and passwords to remember - Users need only know their Windows username and password.
- Leverage existing resources - Agencies can take advantage of existing personnel knowledge and skills to manage user accounts.

Features

- User authentication against Microsoft Active Directory.
- Auto creation of APNAMES records from Microsoft Active Directory.
- User synchronization with Microsoft Active Directory.
- Group synchronization with Microsoft Active Directory.
- Group membership associated with Microsoft Active Directory Security Groups.
- Support for Nested Group Memberships.
- Support for Windows and Linux.
- Multi Domain Support.

Customer Responsibilities

- Successful agencies will have a dedicated resource as the local Admin for current active directory (AD) deployment at the agency. AD administrators will be responsible for AD and ideally will be involved in the initial setup of the current AD they have in place.
- Motorola personnel will be able to assist with webapp configuration, but the bulk of the configuration must be completed by the agency.
- Every Flex group utilized in the system must be set up in the original AD infrastructure.
- Motorola requires LDAP-S for security. The agency's admin or IT must provide the certificate file and any configuration needed (networking, etc.). The agency must have this enabled on the AD server, and provide the certificate.

3.3.1.5 Data Replication

The Data Replication Tool is a web application designed to provide a secure, robust tool for replication of a Flex c-tree database to an external customer database. Nearly all tables are available for replication, and the application gives customers the ability to choose which tables are exported based on their operational needs.

3.3.1.5.1 Stable Reporting

The Flex Data Replication module eliminates the need for agencies to query against a live Flex database, allowing personnel to access the reports they need, when they need them, without having to consider how it may impact the system. This module creates a stable platform upon which reporting applications, such as SAP's Crystal Reports Server, can be added to create custom reports.

3.3.1.5.2 Flexible Reporting Options

Being locked into one specific reporting tool can limit an agency's use of its Flex system. By using the Data Replication module, agencies can employ any industry-compliant technology they choose for accessing information. Personnel can then conveniently use a consistent set of commands for both their live and back-up database. Once an agency exports its live data, personnel can expedite their reporting capabilities using any tool available to easily move data from live to back-up databases – without being locked into any single application.

3.3.1.5.3 Familiar Database Use

The Data Replication module allows agencies to make the most of their existing IT expertise in other database services. Users can choose to export data to a separate database running either Microsoft SQL or MySQL.

Benefits for Flex Customers

The Data Replication Tool provides the following benefits to Flex customers:

- Isolates the reporting/ODBC queries from the production system, yielding an increase of stability and performance on the production system.
- Provides improved functionality over the FairCom ODBC and JDBC drivers.
- Allows customers to leverage their existing expertise in other database technologies.

Important Note

It is important to note that this module is designed to provide data for a reporting server. It is not intended to be used as a disaster recovery, hot backup, or high-availability solution, and it cannot replicate data to another c-tree database. Additionally, it is each agency's responsibility to manage or maintain the server, server operating system (OS), or the chosen database management system (DBMS).

In addition, our partner, Solutions II, offers a wide range of services including implementation and managed services. We will be happy to provide more information upon request.

3.3.1.6 StateLink

Agency personnel can use a single query into state, national, and other external databases to access information about wanted persons, stolen vehicles, missing persons, criminal histories, vehicle registrations, driver license information, and other critical data. Queries are sent securely and can be accessed from the StateLink request screen, from the Computer Aided Dispatch (CAD) module, or from a record within another Spillman Flex module. State-specific transaction forms are available to meet agencies' custom needs, and administrators can set security privileges to regulate access. Flex's StateLink is integrated with CAD and Mobile for convenience. Personnel can easily search for queries directly from the CAD screen, they have access to valuable information without requiring an additional terminal. When integrated with the optional Mobile State & National Queries module, field officers can

query local, state, and national databases simultaneously for instant data on names, vehicles, property, wanted persons, and available images (where applicable).

3.3.2 Flex Computer-Aided Dispatch

3.3.2.1 Flex CAD (Standard)

Flex CAD enables dispatch personnel to access mission-critical information, and effectively manage calls for individual and multi-jurisdictional agencies. The following highlights a few of the system's advanced features that help to ensure the immediate dispatch of the most appropriate units, including:

- Real-time call updates.
- Unit responses.
- Automatic alerts for wanted persons and dangerous locations.
- Customizable special instructions in question/answer format.

Figure 3-4: The CAD Incident Screen gives dispatchers mission-critical information and alerts.

All system modules are fully integrated, enabling dispatchers to easily access data from any table, virtually eliminating duplication and redundancy. This integration allows users to generate incident reports with the most current system data, improving dispatch accuracy, maximizing time, and increasing officer safety. For example, users can instantly query name, vehicle, property, and law incident records directly from Flex's Records Management System without leaving the CAD status screen.

3.3.2.1.1 Visible Name and Address Alerts

The system's Alerts feature prepares officers for call response and enables them to anticipate hazards. Users can easily share information regarding unsafe historical incidents, and alerts appear in red so dispatchers can quickly identify impending dangers and communicate any safety concerns. The alerts module accomplishes this by:

- Providing information about individuals and locations.
- Allowing users to view address or name-related hazards.

- Allowing dispatchers to tag a record with one or several alerts.

3.3.2.1.2 Flexible User Functions

Flex CAD accommodates both new and advanced users. Experienced dispatchers can simplify steps with keyboard shortcuts, or use the command line to operate the system. This flexibility allows users to train at their own pace. New users can easily adapt to the system by performing the following actions:

- Selecting icons.
- Dragging and dropping.
- Right-clicking.

3.3.2.1.3 Real-Time Status Alerts and Timers

The system's alerts and timers help ensure officer safety by keeping dispatchers aware of all call and unit activity. Additionally, they inform users of any actions needed or time lapses exceeding agency thresholds with audible and visual alerts that provide real-time status updates.

3.3.2.1.4 Multiple Sessions

The system's flexible architecture maximizes operational efficiency by enabling users to open multiple CAD sessions at a time. The screenshot below shows how any authorized personnel can open and manage multiple command lines representing multiple sessions.

3.3.2.1.5 Quick CAD Commands

Flex's CAD command line can maximize dispatcher efficiency. Every action the system supports can be executed using quick CAD commands, saving users valuable time as they dispatch units, add calls, and search data.

3.3.2.1.6 Automatic Radio Log Entries

The system's automatic radio log functionality saves users time while increasing unit safety. The CAD solution automatically tracks radio transmissions, and creates a log entry for every status change. This ensures all communications are recorded with complete accuracy, and allows dispatchers to focus on other time-sensitive tasks. Consequently, units have immediate access to timely information, and administrators can review all unit activities at their own discretion.

3.3.2.1.7 Radio Integration

With Flex CAD, agencies can leverage their use of radios for enhanced situational awareness. Specifically, the software provides the following capabilities to streamlined communications and maximize user safety:

- Assign portable radios to first responders, and vehicle-mounted radios to units.
- Enable dispatchers to change a radio's alias directly from CAD.
- Display radio alias and fleet vehicle information for each unit within CAD.
- Monitor radios from CAD with push-to-talk indicators that identify speakers in real time.
- View radio talk groups directly within CAD.

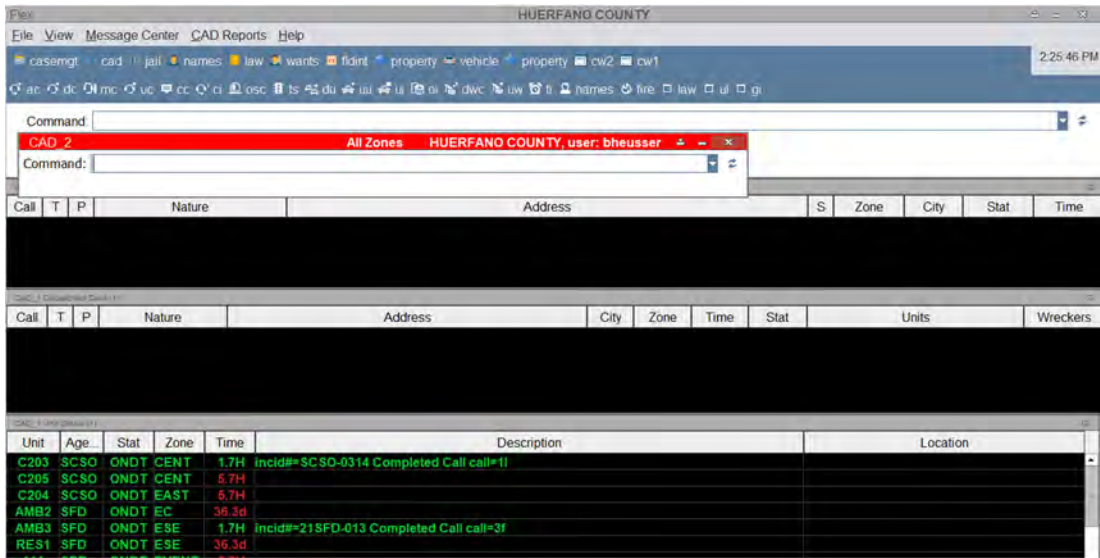


Figure 3-5: Users can open multiple CAD sessions simultaneously to streamline operations.

3.3.2.1.8 Customizable Screen Options

Flex allows dispatchers to customize system settings to their full advantage, allowing them to streamline their task execution through individual customization. For example, agencies can choose to display only calls from specific geographic areas, or lock the settings system-wide for uniformity. Some of the features that users can customize include:

- Display windows.
- Column settings.
- Toolbar buttons.
- Right-click commands.
- Color display options.

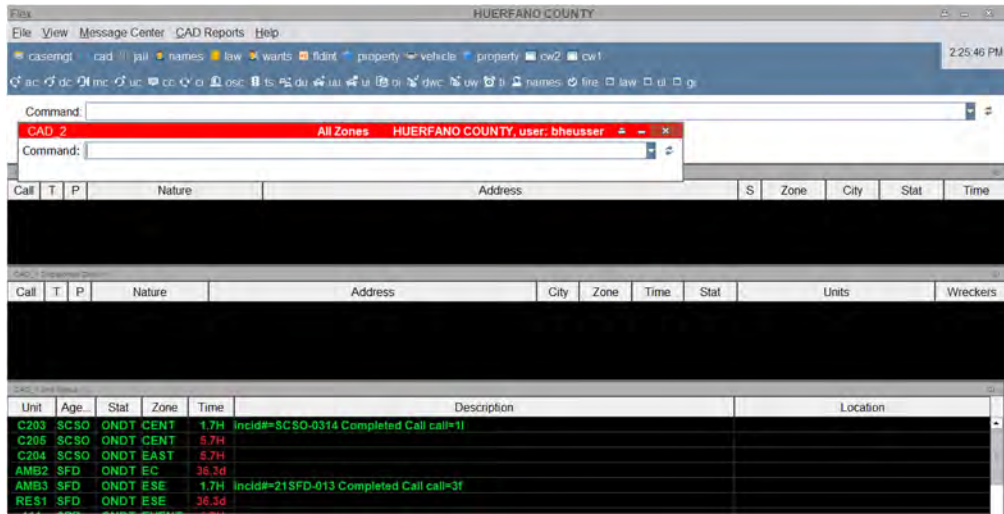


Figure 3-6: Users can open multiple CAD sessions simultaneously to streamline operations.

3.3.2.2 E9-1-1 Interface (Standard)

The Flex E9-1-1 interface improves the effectiveness and dependability of wireless 9-1-1 services by quickly identifying the location of a cellular user, allowing agencies to pinpoint cellular call locations. As the interface receives automatic number and location information (ANI/ALI) from a standard E9-1-1 system, it populates the data to the Flex CAD system. Additionally, the system meets federal regulations for Phase I and Phase II compliance, ensuring agency compliance with regulations. The following highlights several key advantages:

3.3.2.2.1 Automatic Field Entry

This feature minimizes data entry requirements, enables the rapid creation of accurate call records, and reduces the potential for data entry errors. The information it automatically adds to the CAD screen includes:

- Contact name.
- Address.
- City.
- 714-928-2574.

3.3.2.2.2 Accurate Mapping

When used with the Flex CAD and CAD Mapping modules, the E9-1-1 Interface improves data accuracy, promotes faster response, and enables users to make informed dispatching decisions. As a service call is received, the E9-1-1 interface automatically validates the call location with the Flex GIS solution. Once verified, the call location is automatically plotted on the CAD map and routed to the appropriate dispatcher's screen. Dispatchers can view the street name, call location, and nearest cross streets.



Figure 3-7: Streamlined Workflow

3.3.2.2.3 Call Data Preservation

Our E9-1-1 interface allows agencies to store valuable call information in the call record. When the agency receives a call from a wireless device, the initial Automatic Location Information (ALI) generally contains Phase I information. This information automatically populates the Address field of the Flex CAD Add Call screen. When an ALI rebid is performed to receive any additional Phase II latitude and longitude data, the updated location information also populates the Add Call screen. Agencies can configure to automatically transfer the original ALI information to the Comments field of the call record. Thus, the agency can perform continual ALI rebids to update location information while retaining a history of all ALI information received, providing continual situational awareness while maintaining location records for administrative purposes.

3.3.2.3 CAD Mapping (Standard)

The Flex CAD Mapping module provides users with powerful access to location and call information. Dispatchers can quickly view jurisdictional data, including street names, major buildings, landmarks, police districts, and fire/EMS zones. The system automatically plots call locations, and allows dispatchers to view detailed data. This instant access to refined data gives dispatchers the ability to rapidly dispatch the most appropriate units to each call, saving valuable time and enhancing responder safety in critical situations.

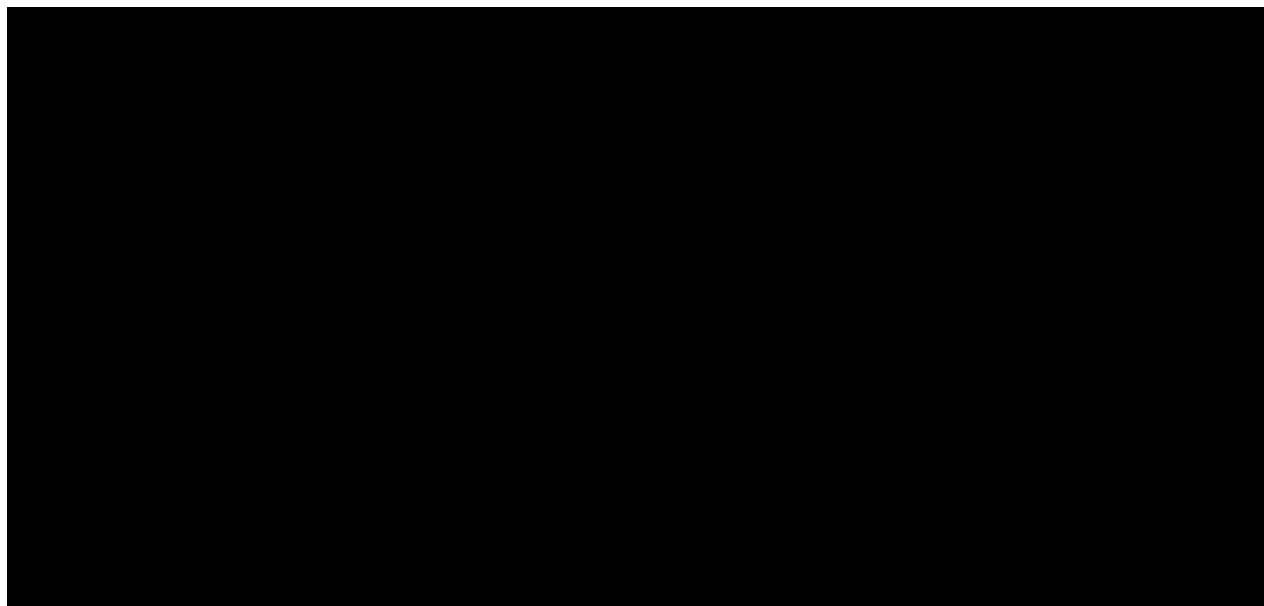


Figure 3-8: The CAD Mapping module gives users access to location and call information.

Dispatchers can also click on the map to view information about a specific location. Flex CAD Mapping uses the Esri® ArcGIS server to communicate directly with the GIS. This eliminates the need to load map data into a separate database, streamlining accurate address verification. Our mapping solutions are compliant with Phase I and Phase II wireless requirements, displaying longitude and latitude points at the approximate location of the call.

The following highlights some key features of Flex CAD Mapping.

3.3.2.3.1 Flexible Dispatching

The flexibility of our system accommodates a variety of user preferences. Users can quickly and easily dispatch units using the mouse, or retain full use of the keyboard by:

- Dragging and dropping a unit symbol to a call, or vice versa.
- Entering any function directly into the CAD command line.

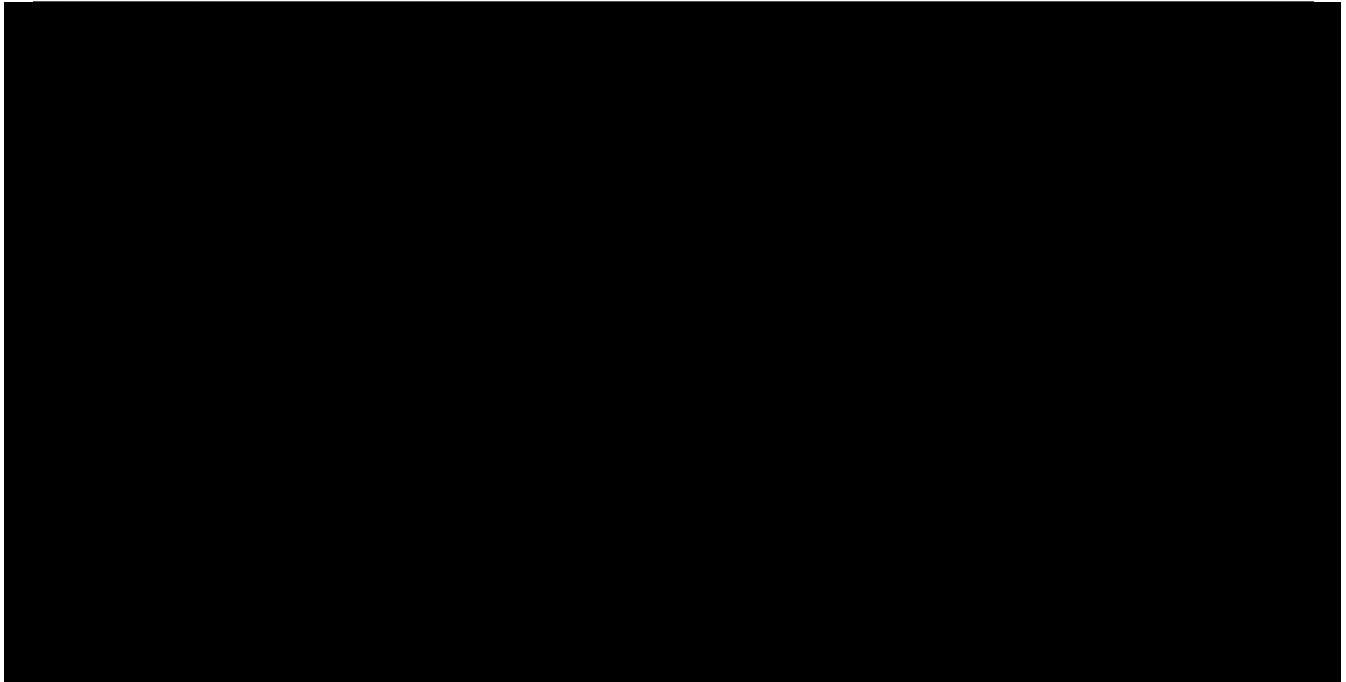


Figure 3-9: Flex's GIS integration allows for accurate real-time positioning of all units.

3.3.2.3.2 Customizable Features

Flex facilitates efficient operation in accordance with user preferences by enabling agencies to configure CAD Mapping software to meet both agency and individual user needs. Agencies can do this in a number of ways:

- Customize map icons by selecting from a list and upload agency-defined symbols.
- Center new calls on the map.
- Add map layers such as street, landmarks, and districts.
- Change map element colors to reflect roads, city boundaries, and more.

3.3.2.3.3 Mapping Toolbar

Flex's CAD Mapping toolbar streamlines the dispatching process with intuitive navigation tools. The system provides reminders of each button's function by displaying tool tips that enhance usability. Users also have the option to control the map directly from the CAD command line. Additionally, users can quickly navigate the maps with the following functionality:

- Zoom in.
- Zoom out.
- Pan.
- View the entire map.
- Change layer properties as needed.

3.3.2.3.4 Call and Unit Information

Our CAD Mapping solution gives users direct access to call and unit information, ensuring improved response times and appropriate officer actions. The system automatically suggests intersections and addresses that require geo-validation as the user is typing. Timely access to data increases officer safety, improves response results, and helps defuse potentially dangerous situations. Users achieve this timely access by right-clicking on a unit or call symbol and selecting the specific information they want to view. For example, users can choose to view information regarding:

- Call number or nature.
- Address.
- Complainant.
- Assigned officer.

3.3.2.3.5 System Integration

CAD Mapping fully integrates with the CAD and AVL modules, and our GIS system. With Flex's GIS, CAD calls automatically appear on the agency's jurisdictional map. Flex's AVL Mapping module, when used in conjunction with Global Positioning System (GPS), displays real-time location information for all units on the CAD map. With the system's radio integration, dispatchers can, upon demand, also view radio locations on the map, as well as when a radio emergency button is activated for real-time situational awareness and response. Any necessary radio programming to support portable location on the map is the responsibility of the agency.

3.3.2.4 Rapid Notification (Standard)

Flex's fully integrated Rapid Notification module allows users to send automatic report-of-call details to responding units. This module gathers information from the CAD screen and sends it to a printer at the responding agency. Individual units can also be notified of an event by email, text message, and/or phone call. Information gathered from the screen includes details such as:

- Address.
- Nature of call.
- Contact name and priority.

3.3.3 Flex Mobile Data Computing

3.3.3.1 Mobile Voiceless CAD

The Flex Mobile Voiceless CAD module allows field personnel to access accurate, real-time call information from their laptop computers, preserving radio channels for other critical communication during urgent situations. The module also enables personnel to quickly:

- Update their status.
- Add and view call comments.
- Access radio logs and incident information without burdening dispatchers.

The screenshot displays the Spillman Message Center interface. At the top, there's a title bar and a menu bar (File, Edit, Search, Screens, CAD, Tools, Help). Below the menu bar is a toolbar with various icons for navigation and actions. The main area contains two tables. The first table lists calls with columns for Call#, Nature, Location, City, Zone, P, Status, Time, and Units. The second table lists units with columns for Unit, Status, Time, Call#, Zone, Agenc, Location, and Description. The status bar at the bottom shows system information like 'Status: OFFDT 00:35:49', 'No Active Call', and '10:48:17'.

Call#	Nature	Location	City	Zone	P	Status	Time	Units
7f	Hazmat				3	RCVD	5.8d	
6e	Hazmat			ESW	3	RCVD	5.8d	
6f	Hazmat			ESW	3	RCVD	5.8d	
8f	Hazmat				3	RCVD	5.8d	
7e	Hazmat				3	RCVD	5.8d	
8e	Hazmat				3	RCVD	5.8d	

Unit	Status	Time	Call#	Zone	Agenc	Location	Description
SDS	OFFDT	12.4m		LNW	SPD		(MDC)
101	ENRT	1.9d	5l	LNW	SCSO	405 E	Enroute to a Call call=5l
123	OVIOL	22.0H	3l	LN	SPD	124 N	(MDC)
AB2	ONDT	8.6d		LNW	SPD		
TESTA	ASSGN	8.6d	3l	LS	SPD	124 N	incid#=1702S0005 Assigned to a Call call=3l
TESTAB	ASSGN	8.6d	2l	LS	SPD	123 N	incid#=1702S0004 Assigned to a Call call=2l
TESTB	ASSGN	8.6d	3l	LNW	SPD	124 N	incid#=1702S0005 Assigned to a Call call=3l
U2	ONDT	12.7d		2	SPD		
U3	ONDT	12.7d		3	SPD		

Figure 3-10: Voiceless dispatch facilitates safe and efficient response.

The following is an overview of key features.

3.3.3.1.1 Mobile Access to Call Information

The Flex Mobile Voiceless CAD module allows users to access information about a call's address, nature, and any additional comments as they are entered by dispatchers. The software frees up radio frequencies for high-priority calls and eliminates the potential for misheard information, or interrupted communications. Using Mobile Voiceless CAD also prevents others from monitoring your communications over an unsecure radio channel.

3.3.3.1.2 Status Updates and Call Comments

Users can update the status of a call or unit directly from their laptop, saving valuable time and eliminating the need to notify dispatchers via radio every time a situation changes. Users can also add comments to a call, and view new comments using the Mobile Voiceless CAD module. The ability to view call comments from the field provides users with critical access to important details, alerts, and tactical updates during critical situations.

3.3.3.1.3 Efficient Radio Logs

Keep accurate radio logs for federal, state, or department records using Flex's Mobile Voiceless CAD module. The module automatically tracks response times and status updates, eliminating the need to request a radio log history from dispatchers.

3.3.3.2 Mobile Mapping AVL & Mapping

The Mobile AVL module uses advanced technology to track the location of all fleet units through Global Positioning System (GPS) receivers, providing dispatchers with optimal situational awareness when dispatching calls and allocating resources. To view this information, Flex Mobile supports a variety of GPS devices. The following summarizes several of the advantages offered:

3.3.3.2.1 Mapping

Users can view the following from the AVL map:

- Location.
- Status.
- Contact information of responding units.
- Quickest route to a call.
- Building schematics.
- Live camera feeds.

Flex's Mobile AVL Mapping module also enables personnel in the field to access critical call information and a map from a single screen. Alongside the map, they can access:

- Addresses.
- Cross streets.
- Hazards.
- Updated call comments.
- Responding units.
- Weather.
- Premises and HazMat information.

3.3.3.2.2 Mapping Tools

This powerful functionality allows users to view call and officer locations, and receive turn-by-turn driving directions to improve response times. Users have the ability to easily:

- Search by X and Y coordinates.
- Calculate the distance between calls with a measuring tool.
- Hyperlink a website or photo to a call.
- View predefined map layers that include:
 - Law and fire zones.
 - Water sources.
 - Ortho images.

3.3.3.2.3 Unit Location Display

Dispatchers and field officers can view the location of agency units and CAD calls on a jurisdictional map. This enables dispatchers to quickly assign units to calls based on proximity, and field officers can

view the map to determine the shortest route to calls. Dispatchers can do this on the map by dragging a unit to a call, or vice versa.

3.3.3.2.4 Unit Status Information

The Unit Status screen complements overall situational awareness by displaying the status of dispatched units. For each unit, the software displays:

- Status.
- Active call.
- Assigned zone and agency.
- Current location or most recent radio log entry.

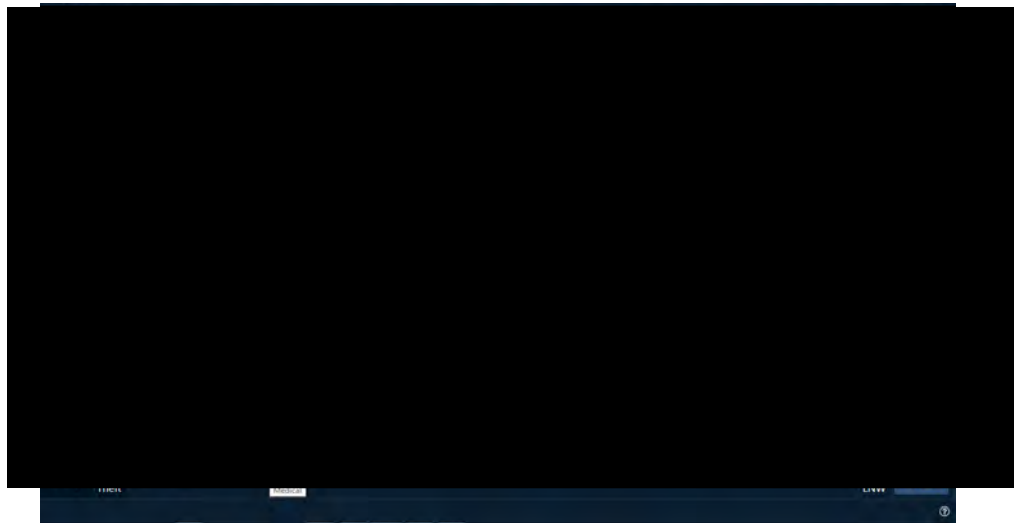


Figure 3-11: Flex's Mobile AVL Mapping technology provides access to comprehensive information.

3.3.3.3 Automatic Vehicle Locator (AVL)

Our AVL Mapping module employs the highest technological standards for this type of software. Advanced AVL technology is leveraged to track the location of all fleet units using GPS receivers, providing dispatchers with optimal, critical situational awareness. The following is an overview of key features:

3.3.3.3.1 Real-Time Unit Tracking

Knowing unit location in relation to an active CAD call enables users to quickly dispatch backup or provide further instruction. The AVL Mapping module allows CAD to display the real-time location of all AVL-equipped units. The software displays:

- Status.
- Active call.
- Assigned zone and agency.
- Current location.
- Most recent radio log entry.

3.3.3.3.2 Direct AVL

Direct AVL shows users the location of a unit the instant the vehicle is started, and its transmitter begins sending pulses. This information is sent directly to the agency using a combined GPS transmitter and wireless modem. Dispatchers can view the unit's real-time movements on the CAD map.

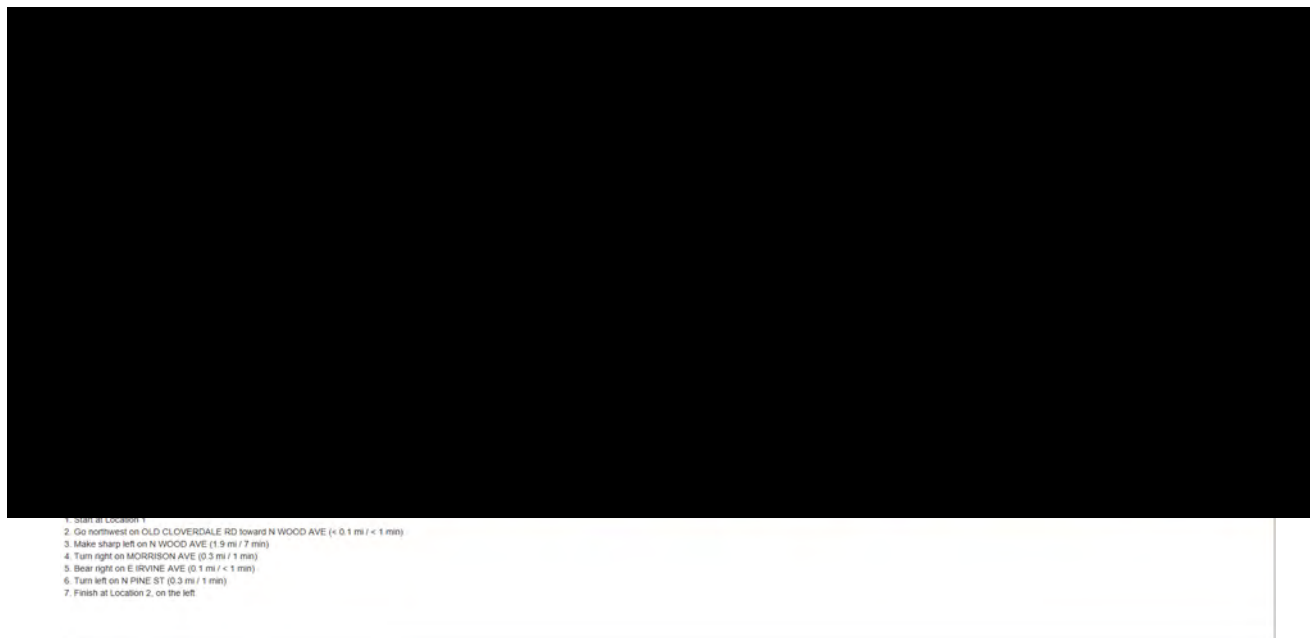


Figure 3-12: Flex's AVL Mapping technology supports efficient and accurate unit response.

3.3.3.3.3 Indirect AVL

Indirect AVL enables users to view the unit's movements on the CAD map. It uses a wireless modem to receive real-time location information from a GPS transmitter connected to a mobile laptop computer. The GPS data, with other information from the laptop, is then transmitted to the agency's dispatch center.

3.3.3.3.4 Quickest Route

Dispatchers can use Flex's Quickest Route feature to determine the active unit with the fastest route to an incident, greatly reducing response time. Based on a unit's current location, the Quickest Route module calculates the total drive time to reach a call, and allows users to view the ideal route and driving directions. This feature takes into account the agency's local street network, while recognizing barriers such as rivers, canyons, and limited-access highways, enabling dispatchers to minimize time-consuming obstacles for responding units. In addition to proximity calculations, it computes actual drive time to determine which unit can respond first.

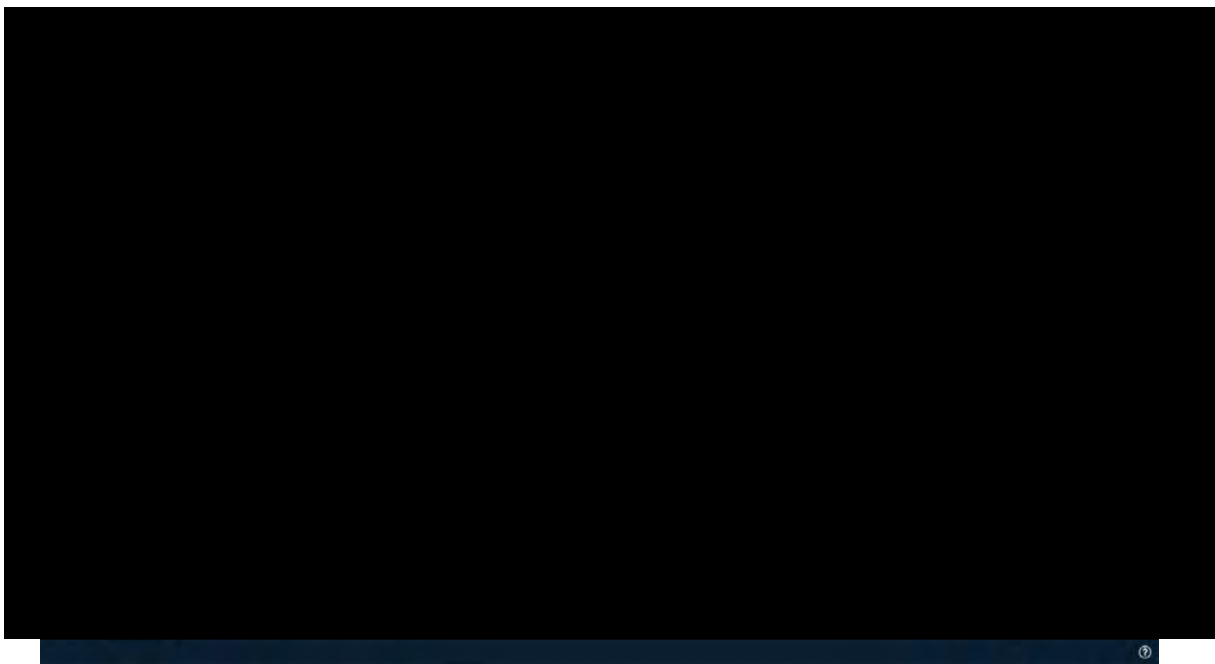


Figure 3-13: The Quickest Route helps dispatchers view the ideal route and directions based on unit location.

3.3.3.4 Flex Touch

The Flex system enables personnel to have full access to the information they need on the go. With the Flex Touch interface, users can access records and images, search for data within the local database, view dispatch information, receive call assignments, and update unit status from a mobile device like a smart phone or tablet.

Flex Touch is compatible with most major smart phones, including Android, iPhone, and systems. It can also be used on an iPad or a desktop computer, allowing personnel to take full advantage of crisp, high-resolution navigation through maps and other mobile data. Below are several of the key advantages:

3.3.3.4.1 Real-Time Call Updates

Calls are color-coded by status, allowing users to quickly see whether officers have arrived on the scene and if a unit's timer has expired. Users can view all active calls, the nature of the call, address, and any assigned units. Users can also view call comments and enter their own comments from the mobile device.

3.3.3.4.2 User-Friendly Interface

The Flex Touch interface is designed for convenient click or touch-screen navigation from a mobile digital device. Touch utilizes the same login information as the main Flex system, streamlining access to important data. Images appear on the screen as thumbnails, and can be viewed in full screen by touching or clicking on the image. Flex has configured the images for mobile digital device screens to conserve bandwidth for faster downloads, which are automatically formatted as links so that users can direct-dial them from a device, and users can also send emails with links to a record.

3.3.3.4.3 Field Searching

The application helps provide redundancy in data access, enhance officer safety, and provide users with access to a wide range of information in the field. Flex Touch supports wildcard searching; if a search yields no results, secondary search rules are used to match a possible record. For example, if a name search yields no results, the software searches for a matching social security or driver license number. The application displays records with warrants or alerts in red, enabling the responding officer to be prepared for any possible situation. Additionally, users can search the agency database for names, property, vehicles, and incidents.

3.3.3.4.4 Data Partitioning

The partitioning feature protects sensitive data by allowing users in the field to only see records that they are authorized to view. The application obeys the partitioning rules already in place in the Flex system.

3.3.3.4.5 Integration with Google Maps

A Google map automatically opens when an address is selected in the Flex Touch application. Users can see the current address, destination, traffic information, and turn-by-turn directions.

3.3.3.5 Quickest Route

3.3.3.5.1 Summary

The Flex Quickest Route module allows an agency to route units based on shortest drive time. This enables dispatch to recommend the closest unit and allows individual units to map the quickest route to a destination. Dispatchers and mobile users also have the ability to query for directions using the Quickest Route module.

3.3.3.5.2 Feature List

- Find the quickest route between two locations in the CAD and Mobile maps.
- Automatically display the quickest route for a responder in the mobile map when assigned to an incident.
- Automatically recalculate a route for a responder that deviates from the current route.
- Create and manage barriers using the CAD map.
- Incorporate quickest drive time into unit recommendations in CAD.

3.3.3.5.3 Requirements

General

- Expertise working with ArcGIS and Network Analyst extension.
- A functioning network dataset created from the agency's map.

Table 3-1: Hardware

Hardware	Model	Vendor/ Company	Support	Notes
GIS Server				Dedicated machine that meets the system requirements for ArcGIS Enterprise. See ESRI's website for these requirements.

Table 3-2: Software

Software	Version	Vendor / Company	Notes
Flex CAD, Flex Mobile	Version 2018.3 or later	Motorola Solutions, Inc.	
ArcGIS Desktop with Network Analyst Extension	Version 10.5 or later	ESRI	Used to build and maintain the network dataset that is used to perform routing analysis.
ArcGIS Enterprise with Network Analyst Extension	Version 10.5 or later	Motorola Solutions, Inc.	Use to publish the routing service that Flex uses.
CAD Mapping	Version 2018.3 or later	Motorola Solutions, Inc.	Flex CAD Mapping and/or Mobile Mapping license.

3.3.3.6 Mobile Premises & HazMat

3.3.3.6.1 Summary

Be prepared for a variety of disaster scenarios with field access to data on the location, type, and container size of hazardous materials stored in your jurisdiction as well as detailed premises information such as number of floors, responsible agencies, and physical descriptions. The National Oceanic and Atmospheric Administration (NOAA) CAMEO database offers information on more than 4,000 chemicals, including recommended handling instructions, first-aid responses, and protective clothing. Proximate population information helps you organize warnings and evacuations.

3.3.3.6.2 Feature List

- Maintaining Premises Data.
- CAD and GIS Integration.
- Proximate Populations.
- CAMEO® Chemical Database.
- HazMat Response.

3.3.4 Flex Mobile Records

3.3.4.1 Mobile Records

The Flex Mobile Records module empowers personnel with universal data access. Convenient field narratives and image display options provide the necessary tools to effectively manage records from

the field. Mobile personnel can also search for records in multiple places without leaving the vehicle or requesting dispatch assistance. Searchable databases include:

- Local databases.
- Flex and non-Flex databases (requires the InSight Interface).
- State databases (requires the Mobile StateLink Interface).
- National databases (requires the Mobile StateLink Interface).

The following highlights several key advantages.

3.3.4.1.1 Local RMS Queries

Mobile Records combines speed with flexibility. Users have the ability to search for names, vehicles, incidents, property, and wanted persons. These queries provide comprehensive search results from local, state, and national databases, with the ability to encrypt state and national query responses for use with third-party citation and crash programs.

Additionally, a drop-down menu provides officers with more detailed fields to perform enhanced searching. Once the user has submitted his or her search criteria, a list of matching records appears in the returns folder of the Mobile Message Center.



Figure 3-14: Flex Mobile provides detailed search returns for officers in the field.

3.3.4.1.2 Image Display

The system's image display function helps field personnel identify suspects and verify criminal histories. While viewing a record, all associated images related to that record are available, including mug shots or photos of vehicles and property. Images first appear in thumbnail size, but they can also be expanded to full-size.

3.3.4.1.3 Field Narratives

Users can enter field narratives into the system directly from the vehicle. This saves valuable time and improves record details. Each user can view, add, and append narrative information or supplemental narratives directly from the Law Incident screen. Additionally, field officers have the flexibility to enter an

unlimited number of supplemental narratives for witness statements and other follow-up activities. For routine narrative entries, the system allows users to easily define templates for precise information gathering.

Figure 3-15: Users can view additional Involvements information by expanding the record using the plus (+) sign.

3.3.4.2 Mobile Field Report with Field Interview

3.3.4.2.1 Summary

Conduct field interviews and record data from your vehicle. Large fields and drop-down menus are easy to navigate using either a touch-screen monitor or a keyboard and mouse. Forms can be customized with your agency's name, graphics, and a report title. Save time and prevent mistakes using drop-down lists of prefilled data wherever possible. Forms attach to Flex records for viewing, editing, and printing, and they system automatically searches for matching records before storing the information and routing electronically for approval. Add an unlimited number of people, vehicles, property, associated details, and narratives, and add your own custom fields.

3.3.4.2.2 Feature List

- Customizable Look and Feel.
- Integrated Incident Record Submission.
- On-scene Reporting and Validation.
- Simple Narrative Writing Features.

3.3.4.3 Driver License Scanning

Data gathered from a driver license can be used to efficiently conduct database searches and complete field reports, enhancing investigative abilities and officer safety. Flex's Driver License Scanning module gives officers the ability to populate Mobile search screens by scanning a driver license. Additionally, scanning the license will also automatically query the local, state, and national databases. Information drawn from scanning the license includes:

- Name.
- Date of birth.
- Address.
- Race.
- Gender.
- Driver license ID number.

3.3.4.3.1 Automated, Accurate Data Entry

When personnel scan a license, the Driver License Scanning module automatically populates the appropriate fields on the Mobile search screen with the driver's information. Driver license data can be used to populate the Mobile Law Form, Mobile Accident Form, Mobile Citation Form, and Law Field Interview Form (each form sold separately), reducing redundant data entry and saving officers and personnel time in the field.

3.3.4.3.2 Customizable Searching

The Flex Driver License Scanning module can be programmed to conduct searches in local, state, and/or national databases when a license is scanned. Officers can use the information returned from those searches to:

- Determine if the license is valid.
- Check for outstanding warrants.
- Confirm if the vehicle is stolen.
- View criminal history information.
- View previous incidents involving people or vehicles.

3.3.4.3.3 Dual Scanning Capability

Officers can gather information by scanning both magnetic strip and barcoded licenses where available, preventing agencies from creating redundant processes for the same action. Because the module adheres to American Administration of Motor Vehicle Administrators (AAMVA) standards, it has access to information on multiple licenses from across the nation. Its access extends to 20 states and entities that use magnetic strip licenses, and 52 states and entities that use barcode licenses.

3.3.4.4 Mobile Arrest Form

Flex's Mobile Arrest form is integrated with the Mobile Field Report and is completed as part of a related incident record. The Arrest form can be finalized and saved prior to completing the Field Report. The following is an overview of key features:

3.3.4.4.1 Automated Data Entry

Automated data entry enables patrol officers to quickly fill out multiple form fields using search results obtained from a name or vehicle query. Users can pre-fill forms with information from the Flex database by querying the Flex Mobile StateLink product, or by scanning a driver license barcode or magnetic strip.

3.3.4.4.2 Integration

Forms are automatically attached to the Flex record where they can be viewed, edited, or printed. The system also conducts an automatic search for matching name and vehicle records. New records are created if needed, and Involvements® are generated between associated records.

3.3.4.4.3 Customizable Fields

The Flex Automated Field Reporting modules enable patrol officers to add an unlimited number of people, vehicles, property, and their associated details. Narrative fields have no set length, allowing officers to add as much or as little text as needed.

3.3.4.4.4 Field Narratives

Officers can enter narratives, including probable cause statements, into the system directly from the vehicle, saving time and improving records details. They can add, view, and append supplemental narratives or narrative information directly from the Law Incident screen. The text editor displays the appropriate prompts for the selected template as users type the narrative information. Spell check and time stamping are also included.

3.3.4.4.5 Data Integrity

Flex helps prevent mistakes caused by incorrectly typed entries with drop-down lists. The system also ensures that important data is collected by requiring users to enter data in specified fields before saving the form.

3.3.4.5 Mobile State and National Queries

Use a state connection to search state and national databases for name, vehicle, property, guns, and wanted person records as well as available images. Users can perform state and federal searches simultaneously with one query while using the local RMS query feature to search local database information. Returns are delivered audibly as well as with visual highlights, including any alerts on records containing warnings.

3.3.4.5.1 Feature List

- State and National Database Queries.
- Transaction Recall.
- CAD Integration.
- Mobile Integration.
- Multiple Response Destinations.
- Alerts.

- Voice and Highlighting.

Note that this module requires the StateLink Interface.

3.3.5 Flex Records Management System

3.3.5.1 Records Management System (RMS) (Standard)

Flex's Law Records Management System consolidates all law incident records into one database, providing easy-to-generate incident and case management reports. Each record has information associated with the name, incident number, property, item, and vehicle involved. Agencies can track complaints, victims, offenders, suspects, witnesses, evidence, vandalism, arson, vehicles, or stolen and recovered property for criminal and non-criminal incidents.

3.3.5.1.1 Accurate Reports

Users can easily clarify department initiatives and document progress by developing preformatted reports or configuring ad hoc reports for:

- Crime analysis.
- Presentation.
- Archiving.

Agencies can also compile detailed summaries and activity information for submitting UCR reports as necessary.

3.3.5.1.2 Detailed Case Management

Agencies have the ability to track cases from beginning to end by following detailed status information. Flex's case management feature uses Involvements® to link information on all persons, property, and vehicles associated with a case.

3.3.5.1.3 Dispatch Integration

Flex's integrated solutions ensure rapid and consistent data entry. The RMS module is linked directly with Flex CAD, which allows the software to automatically transfer appropriate information from calls to related incidents.

3.3.5.1.4 Advanced Security and Intelligence

Administrators can protect data integrity with flexible security features that allow users to secure privileged information. The Flex system allows agencies to store an unlimited amount of data regarding the following characteristics of individuals or groups:

- Hangouts.
- Associates.
- Vehicles.
- Employment.
- Activities.

3.3.5.1.5 Organized Dissemination

The system provides information accountability by tracking all information disseminated through the RMS module. Users can record the full text of the disseminated information, and create a link to the name record of the party receiving the information.

3.3.5.1.6 Automatic Visual Alerts

Agencies improve investigator and officer safety with alerts that indicate dangerous, wanted, or missing persons. Once an alert is attached to a record, Flex's integration populates the alert wherever the record exists.

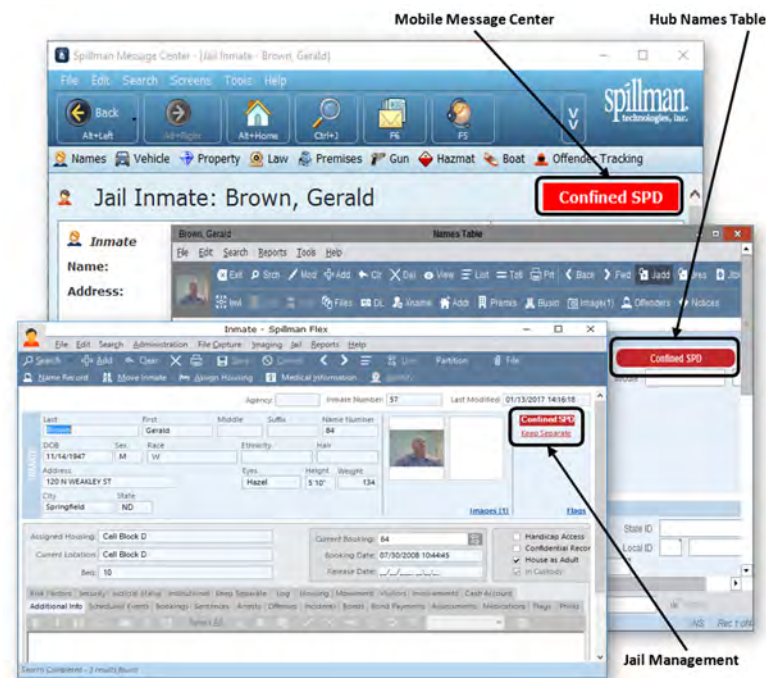


Figure 3-16: Users see clearly visible alerts system-wide, no matter where the information is.

3.3.5.2 Incident-Based Reporting (IBR) (Standard)

The Flex system enables the agency to easily compile detailed crime summary and activity information such as offenses, arrests, and law incidents for submitting IBR reports that meet state and federal standards. The software automatically retrieves information from the system upon data entry, eliminating manual efforts to create these reports. This retrieval enables the system to produce audit reports that verify the accuracy of reported data. Additionally, Flex holds state reporting certification and offers an integrated National Crime Information Center (NCIC) interface that aids in required report submissions.

3.3.5.3 Evidence Management (Standard)

Flex's Evidence Management module simplifies evidence tracking, allowing each agency to maintain a complete and accurate chain of custody for every piece of evidence. The Evidence Management module records changes in the location, status, and custodian of evidence, providing a detailed history from reception to release, or disposal of the item.

The screenshot displays a web-based incident management system interface. The title bar indicates the incident is 'Incident - 11006-0023 / Assault, Simple - Spelman, Eric'. The interface is divided into several sections: 'Report' (with sub-tabs for Incident, Offenses, Persons, Property, Narrative), 'Summary', and a main data entry area. The 'Summary' tab is active, showing fields for 'When Reported' (6/26/2018 17:28:02), 'Occurred From' (6/26/2018 17:28:02), 'Occurred To' (6/26/2018 17:28:02), 'Incident Nature' (Assault), and 'Responsible Officer' (Vance Roberts). Below these are fields for 'Received By' (Kurt Zeen), 'How Received' (Telephone), and 'Contact'. The 'Agency' is set to 'SPRINGFIELD POLICE DEPARTMENT'. Under 'Responding Unit', three units are listed: 'C Gantley - Charles Gantley', 'R Hall - Rob Hall', and 'V Roberts - Vance Roberts'. The 'Address' section includes a street address '1602 HUNTSVILLE RD', a 'Validate' button, and dropdowns for 'City' (Springfield), 'State' (South Dakota), 'Zip' (57134), and 'Area' (Low South Zone). At the bottom, there is a 'Complainant' section with fields for Name, DOB, Height, Weight, Sex, Race, and Ethnicity, and an 'Add' button. A 'Save As Worksheet' button is located at the bottom right of the form.

Figure 3-17: Compile detailed data that meets state and federal standards.

3.3.5.3.1 Complete Evidence History

Users can automatically track modifications to evidence records from processing, through lab analysis and court appearances, to the release or disposal of the item.

3.3.5.3.2 Evidence Reporting

The system enables users to maintain optimal awareness and accountability of evidence and its status. Users can generate reports that show evidence custody, create barcodes for any code table, and show the location of evidence. Some of the reporting tools include:

- The Case Closed Evidence List Report.
- The Generate Barcode List Report.
- Evidence Location Summary Report.

3.3.5.3.3 Detailed Evidence Data

The Flex solution facilitates efficient entry, adding, modifying, and searching for records within the screen. Using the Evidence Management screen, users can manage:

- Property item.
- Storage location.
- Identification number.
- Activities associated with the item.
- Comments.

3.3.5.3.4 Interface Features

Flex's optional Evidence Barcode & Audit Interface module enables users to manage the evidence room in minutes and saves hours of personnel time. The interface's barcoding functionality allows for

simplified data entry, precise labeling, and hand-held auditing of storage locations. Participating agencies can easily inventory and audit evidence using a handheld barcode reader to check data against the Evidence Management table for discrepancies in the item location.

The screenshot displays the 'Evidence Management' software interface. The top section, titled 'Incident', contains fields for Incident Number (160829-01), Nature (Information), Case Number, Address (123 n Main), City, State (ND), ZIP, and Contact. The middle section, titled 'Complainant', includes fields for Number (160901001), Last (Pondexter), DOB (12/01/05), SSN, Race (W), Sex (M), Tel, Fst (Thadus), Mid, Aft (123 N MONTGOMERY AVE), City (Pierre), ST (SD), and ZIP (80012). The bottom section, titled 'Details', contains fields for Offense/Statute, Circumstances, Reported, Observed, Agency (SDS), CAD Call ID, Received By (Spilman), How Received, When Reported, Occurred between, and MO. The interface also shows a status bar at the bottom with 'Approval Status: COMPLT', 'Workflow Record Com', 'To: D Gordon 1', 'From: Spilman', 'Date: 16:59:04 09/12/16', and 'History'.

Figure 3-18: Flex’s evidence management module provides detailed evidence data.

3.3.5.4 Evidence Barcode and Audit Interface (Standard)

The Evidence Barcode and Audit Interface module provides agencies with barcoding capabilities for evidence management. It also includes a portable handheld barcode reader to inventory and audit evidence rooms for tracking location and movement.

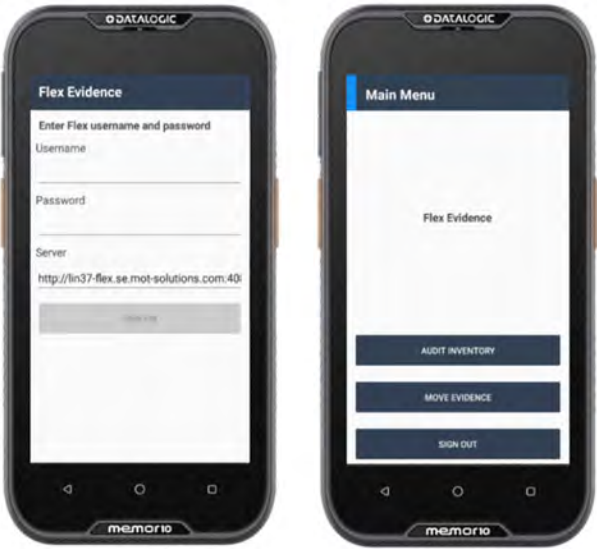


Figure 3-19: Barcode Reader

3.3.5.4.1 Automatic Data Transfer

Flex's Automatic Data Transfer saves time and ensures accuracy for agencies as information is tracked throughout the evidence life cycle. Users have the ability to attach barcode labels to evidence items, and use a scanner to automatically transfer the data into an evidence record. Additionally, the status of multiple evidence items can be changed simultaneously by using the "Scan" option of the interface.

3.3.5.4.2 Barcode Printing

Our solution facilitates efficient entry, adding, modifying, and searching for records within the screen. Using the Evidence Management screen, users can manage:

- Property item.
- Storage location.
- Identification number.
- Activities associated with the item.
- Comments.

3.3.5.4.3 Inventory and Evidence Tracking

Users can easily collect and store scanned inventory details with a handheld barcode reader, including the item number, storage location, and custodian's name. Information on moved evidence items can be tracked as well, including item number, storage location, custodian's name, transaction code, time and date of transaction, quantity moved, and reason for the move.

3.3.5.4.4 Detailed Reporting

The Import Inventory Barcode Report and the Import Move Inventory Report ensure data integrity. Users can check for discrepancies between the data downloaded from the portable barcode reader and the information contained in the Evidence Management table.

3.3.5.5 Pin Mapping (Standard)

The system's Pin Mapping module provides investigators with accurate and timely data they can use to analyze incidents and crime trends. Thorough crime investigations are supported with powerful searching capabilities that allow users to access critical information for effective decision-making, rapid deployment tactics, and prompt assessments.

3.3.5.5.1 Powerful Mapping Options

Flex's comprehensive toolbar enables users to identify trends and ensure address consistency through a comprehensive database of street and address information. Users can:

- View different map layers.
- Change the color, size, and type of points.
- Restrict or show all incidents on the map.

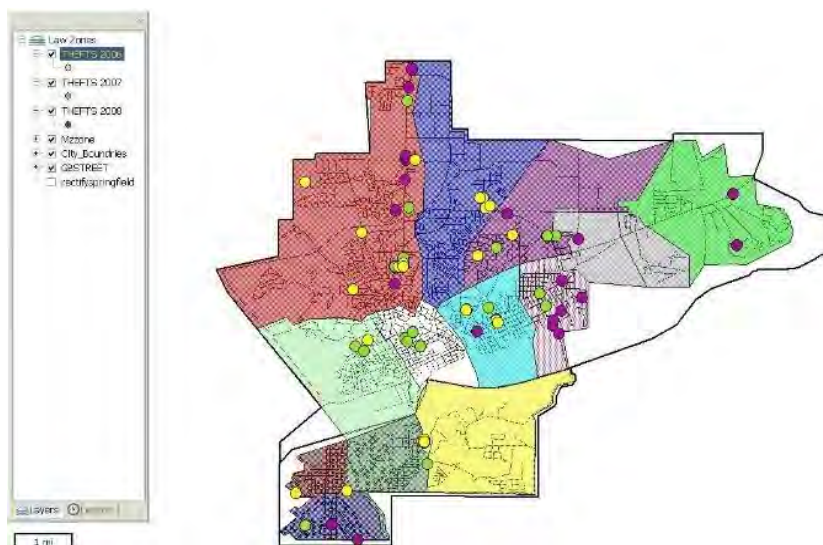


Figure 3-20: Flex's Pin Mapping module allows users to view crime trends for a specific geographic area.

3.3.5.5.2 Efficient Analysis

The Pin Mapping module enhances investigative needs by allowing agencies to access any piece of data, record, or a combination of fields from any point on the map.

3.3.5.6 Offender Tracking (Standard)

Flex's Offender Tracking module enables agencies to track critical information on various types of offenders. This enhances personnel and community safety by providing situational awareness of offenders within the agency's jurisdiction.

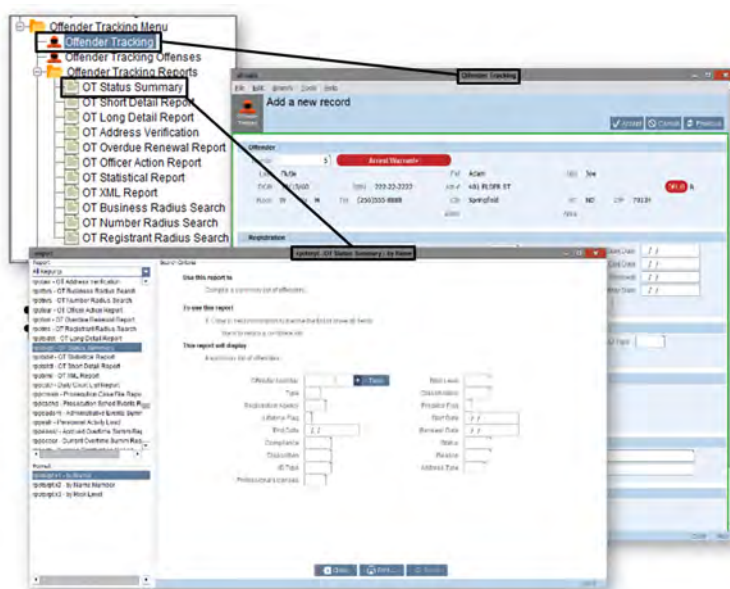


Figure 3-21: Users can track an extensive list of critical information on each offender.

3.3.5.7 Traffic Information (Standard)

Our Traffic Information module delivers consistent, accurate data for shaping sound traffic safety policies and procedures. The software monitors activity on your roadways and generates quantifiable reports for traffic management. The following are key features of this powerful tool:

3.3.5.7.1 Citations and Warnings

Users can easily access citation and warning data. Full integration allows the agency to create a new name and vehicle record for a new contact, or link an existing name and vehicle while creating a citation or warning. They can also track:

- Offense.
- Name information.
- Vehicle description.
- Citation dispositions.
- Bail and/or fine collections.

3.3.5.7.2 Traffic Reporting

This feature quickly turns data into comprehensive information. Users can view several preformatted reports and a full snapshot of warning and citation activity from the traffic reports menu. It also provides:

- Demographic analysis.
- Accident summary reports.

3.3.5.7.3 Imaging Integration

Utilizing Flex's optional Imaging module, users can attach photos to any record for quick reference during an investigation. The agency can capture and archive high-quality digital photos from accident scenes. Additionally, they can print or copy and paste images in a report. Users can attach multiple images to each vehicle record.

3.3.5.7.4 Powerful Searching

System integration enables users to search multiple record sources at once, providing detailed information on vehicles or persons involved in the same traffic accident or citation.

3.3.5.8 Personnel Management (Standard)

The Personnel Management module enables comprehensive employee management. Agencies can store, retrieve, and manage detailed employee information including special skills, medical history, training and certification, positions, attendance, activities, leave time, and overtime. The module also accurately accounts for administrative activities such as commendations and disciplinary actions. The following highlights a few of the system's advanced features that help to simplify personnel management.

3.3.5.8.1 Special Skills and CAD Integration

Dispatchers can send the best personnel to a given call by using the Personnel Skill screen to reference any employee's special job skills. Job skills can include foreign language fluency, CPR certifications, or explosives expertise.

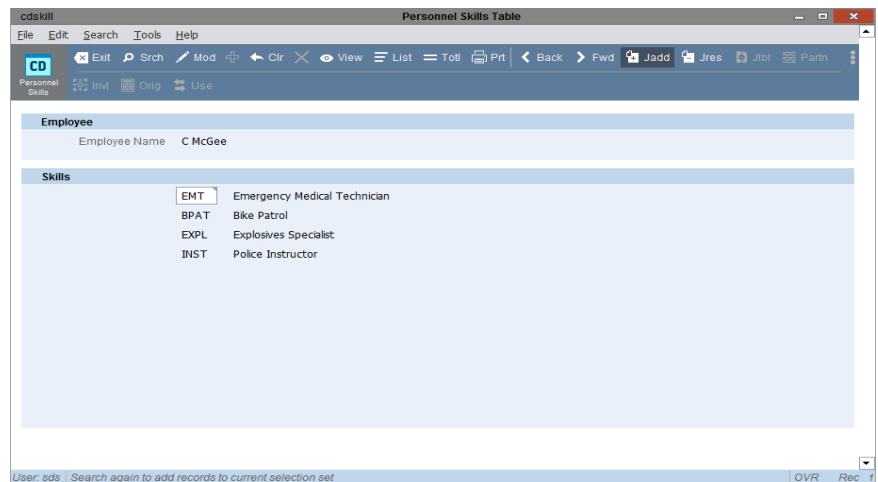


Figure 3-22: Enhance call assignments with special skills references.

3.3.5.8.2 Detailed Employee Information

A detailed record for each employee provides users with the ability to efficiently track and update general information, such as the employee's name, address, division, status, and Social Security Number.

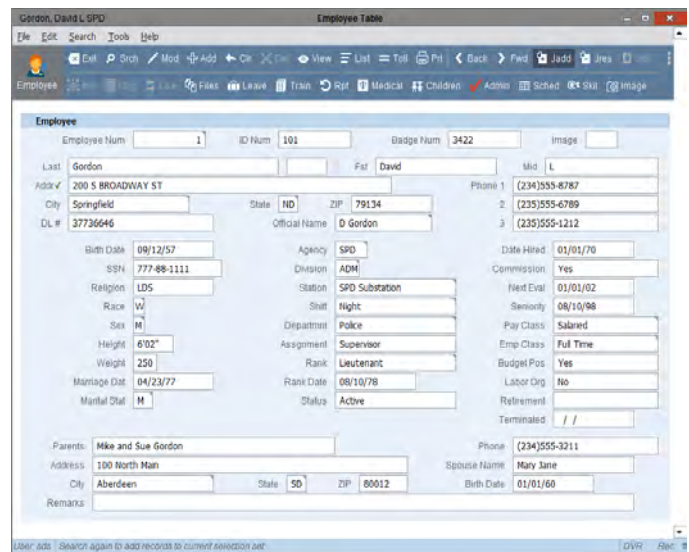


Figure 3-23: Personnel can track and update detailed employee information.

3.3.5.8.3 Personnel Reports

Users can generate easy-to-view personnel reports from a comprehensive menu of options including:

- Identification numbers.
- Medical events summaries.
- Administrative events summaries.
- Pay status and payroll reports.
- Training reports.
- Leave requests.
- Position status and demographics reports.
- Workload reports.

3.3.5.8.4 Training Information

Ensure that personnel are equipped with the training to do their jobs safely by monitoring their training portfolios. The system enables users to update and monitor the following training data for individual employees:

- Type of training completed.
- Dates and locations.
- Cost.
- Credit earned.

3.3.5.8.5 Medical History

The Medical Event detail screen can be used to track employee medical events that occur before and during employment. Detailed records of employee medical history including blood type, allergies, insurance information, and physical information are stored in the system.

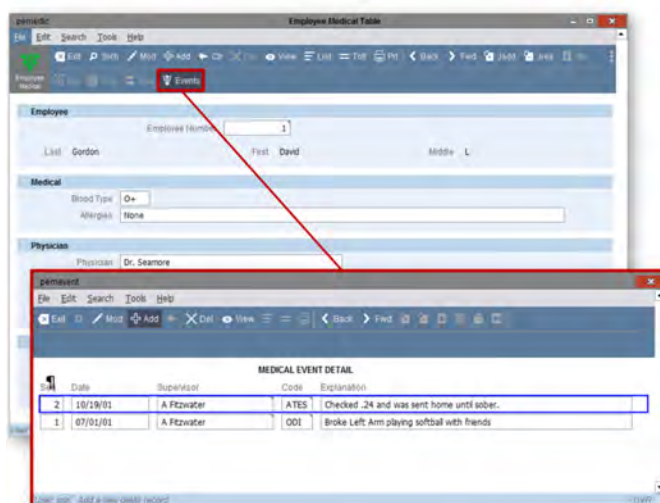


Figure 3-24: Track an employee's medical history before and during employment with the Medical Table "Events."

3.3.5.8.6 Attendance and Workload Management

Employees can easily enter work activity information into the Employee Workload screen. For each activity performed, employees can enter work dates, start and end times, activity and location codes, a reference number, and comments.

3.3.6 Non-Custodial Management

3.3.6.1 LA County LiveScan Fingerprinting Interface

The Non-Custodies management solution's LiveScan Fingerprinting Interface streamlines the transfer of inmate name information and arrests data onto agency fingerprint cards. The interface allows users to exchange data between the Jail Records module to a third party LiveScan fingerprinting software system. Users can then customize the data to ensure that fingerprint cards meet agency preferences and state recording requirements.

3.3.6.1.1 One-Touch Data Transfer

Users can efficiently transfer inmate data to LiveScan fingerprinting software while reducing the risk of data errors. With a single touch, the inmate's name, gender, physical description, booking identification number, arresting agency, Social Security number, and other data are automatically entered into the correct fields on the inmate's fingerprint card in the LiveScan software.

3.3.6.1.2 Reporting Requirements

The LiveScan application helps agencies meet state and federal reporting requirements. Users can customize the interface to transfer the specific information, onto fingerprint cards, that is needed to meet state and federal reporting requirements. The order in which data appears on the cards can also be configured to meet unique agency preferences.

3.3.7 Flex Data Conversion

Purchasing and implementing a new Flex system often requires a migration from your agency's previous vendor's database to your new Flex server. Depending on how long your agency had been using your previous system, this can mean moving away from years' or even decades' worth of public safety data about your community, and into a brand new and empty database. Our data conversion process is designed to quickly and efficiently transfer your agency's wealth of information to a new database, where it can be accessed and utilized more efficiently.

We recommend that agencies convert their data as soon as possible after adopting a new system in order to minimize the amount of data re-entry personnel have to complete, and the number of times they have to log in to multiple databases, to search for information.

3.3.7.1 Data Conversion Process

When it comes to the actual data conversion process, there are different options as far as what you can convert, and where you can convert it to. Before the conversion process begins, your agency will work with your Flex sales representative and a data conversion specialist to evaluate the quality of your data, and the most appropriate conversion option to pursue.

Careful consideration should be given to the overall effects each option will have on data accuracy, system reliability, personnel resources, and agency-specific operational procedures. Below are the several data conversion options to be considered.

3.3.7.1.1 Live Database Conversion

Data Location – Motorola Solutions provides the option to convert all legacy data into the live Flex database. Full conversion of this type offers substantial operational convenience, as your agency's legacy data will be comingled with the new data that is entered into the Flex system. As a result, reports, dashboards, and in many cases involvements, will include an agency's legacy data.

Required Preparation – In order to accomplish an effective full data conversion, fields need to be mapped, duplicate legacy data needs to be cleaned or merged, and some free text data will need to be made uniform. Agencies considering full data conversion should conduct a comprehensive review of the limitations of its existing data, and be aware of the high risks associated with converting duplicate data. Preparation of this type requires extensive effort and time on the part of the agency, and Motorola Solutions.

Price – Live database conversion is a more expensive option, due to the scope of the conversion, and the considerable preparation required.

3.3.7.1.2 Secondary Flex Database Conversion

Data Location – Our customers have the option to convert all legacy data into a dedicated reference Flex database. Following this full conversion, legacy data will be accessed by selecting the reference database, as opposed to the live database, when logging in to Flex. Reports run in the live system will not include legacy data; however, users can search data against the reference database, and copy information over into the live database. The risk imposed by duplicate legacy data is notably lessened with this conversion option, as legacy data is not comingled in the same live environment.

Required Preparation – In order to accomplish an effective full data conversion, fields need to be mapped, duplicate legacy data needs to be cleaned or merged, and some free text data will need to be made uniform. Preparation of this type requires extensive effort and time on the part of the agency, and Motorola Solutions.

Price – Reference database conversion is a more expensive option, due to the scope of the conversion, and the preparation required. Also accounted for in the cost of this conversion is the required additional database support.

3.3.7.1.3 Legacy Data Query

Motorola Solutions offers Legacy Data Query option for agencies to consider.

3.3.7.1.4 Data Query

Data Location – Our customers have the option to “dump” legacy data into a separate, query-only database. This query-only database can be accessed with Motorola Solutions' Record Query tool. The Record Query tool will connect to the query-only database, enabling users to query their agency's legacy data, and manually bring data into a report printout format. Though all legacy data will not be available in the live environment, it will be preserved without the need to maintain an old system.

Required Preparation – The effort and time that must be expended in preparation for this conversion is minimal, making the entire process much simpler.

Price – Manual Record Query tool is the least expensive data conversion option, due to the scope of the conversion, and the preparation required.

In order to properly determine the most appropriate data conversion option, and its associated price, your agency will need to review the status of its current data environment with your Flex sales representative, including:

- The size and number of systems that store your legacy data.
- Which product suites you want to convert (Names, Vehicle, Property, CAD, Records, Evidence, Jail, etc.).
- Whether you want to convert images and file attachments.
- The data entry standards utilized by your current system.
- How many years' worth of data you want to convert.

We look forward to working closely with your agency to determine the most beneficial approach to meet your needs.

3.4 ActiveEye Managed Detection & Response for Flex (Optional)

3.4.1 Solution Overview

Motorola Solutions (“Motorola”) is pleased to present the proposed cybersecurity services for City of Huntington Park, CA (hereinafter referred to as “Customer”).

The following cybersecurity services are included in our proposal for the Customer’s Flex system:

- **ActiveEyeSM Managed Detection & Response for Flex**
 - Endpoint Detection and Response
- **Motorola Security Operations Center (SOC) Services**

3.4.2 Services Included

The ActiveEye service modules included in our proposal are presented below

Table 3-3: Service Modules

Service Module	Features Included	Site/Environment
Endpoint Detection and Response (EDR)	<ul style="list-style-type: none">▪ Carbon Black Defense + Threat Hunter▪ (310) EDR Total Endpoints▪ Online Storage Period: 30 Day Storage	<ul style="list-style-type: none">▪ Flex Clients (260)▪ CAD (30), RMS (35), Mobile (85)▪ Flex Host Environment (50)
Security Operations Center (SOC)	<ul style="list-style-type: none">▪ Monitoring and Support	<ul style="list-style-type: none">▪ Service modules

3.4.3 Service Description

The ActiveEye Security Platform collects, manages, and analyzes security events. Built-in analytics examine multiple real-time threat intelligence feeds, reference past events, and follow playbooks to automate most actions. Analytics also prioritize events to quickly identify those that require remediation.

As a Security Orchestration, Automation and Response (SOAR) platform, ActiveEye speeds up remediation, using predefined or custom playbooks to automatically investigate and respond to threats. ActiveEye’s automatic investigation capabilities include looking up threat intelligence, querying past data, adding recommended action notes to cases, and bringing event details to the main investigation screen. Its automated response capabilities include changing alert priorities, closing alerts, blocklisting files, removing files from systems or isolating hosts from the network.

This automated approach to threat identification and remediation eliminates more than 95 percent of false positives, allowing your team or our SOC analysts to shift their focus to more complex investigation and response tasks.

3.4.3.1 ActiveEye Managed Security Portal

The ActiveEye Security Portal, a cloud-based web application, enables improved coordination of cybersecurity efforts between your agency and Motorola Solutions. From this central platform, your agency's personnel will be able to view threat insights, event investigations, security reports, threat advisories, and the status of cases.

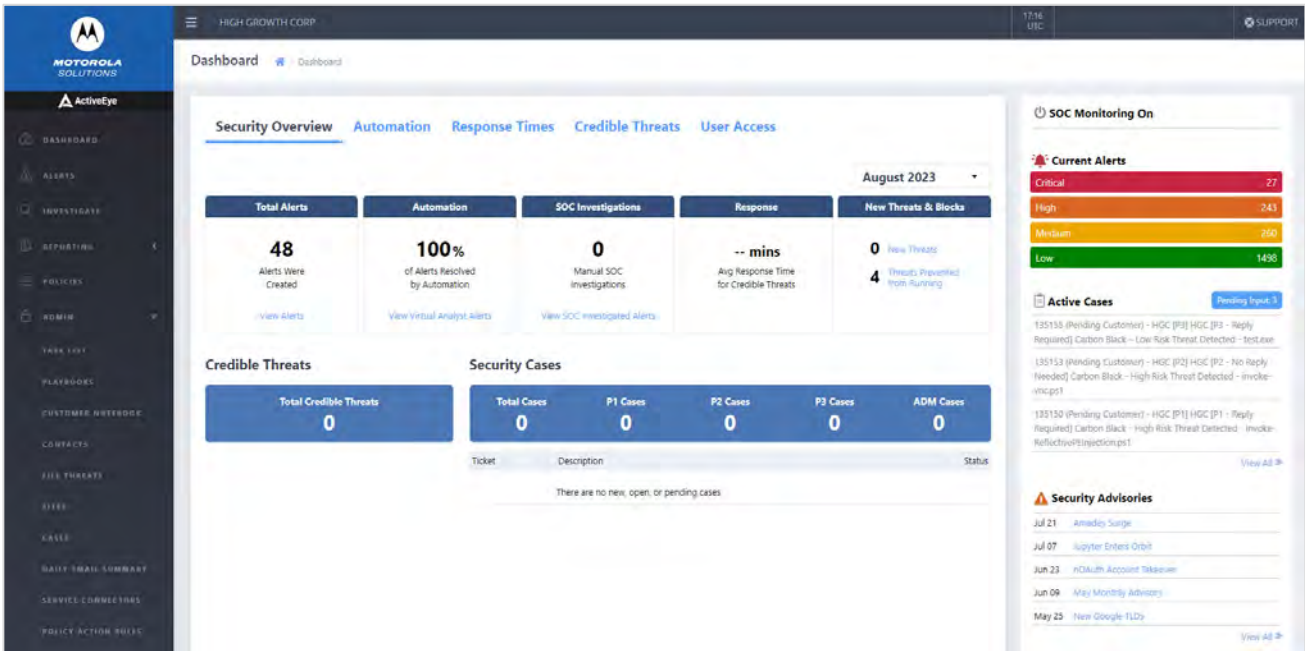


Figure 3-25 ActiveEye Portal

Dashboard

The ActiveEye dashboard provides a summary of key information. It includes a snapshot of open alerts, alert categories, key performance indicators (KPI), open cases, and recent threat advisories. Users can also see more in-depth information, such as the number of security cases, alert details, alert trends, reports, and group communications.

Security Cases

When a threat is identified, the SOC will create a security case. Through the ActiveEye Portal, your agency's personnel will be able to view details of current or past cases, create new cases, or respond to ongoing cases.

Alert Details and Trends

Alerts can be evidence of a past, active, or developing threat. ActiveEye records relevant data for each alert, enabling users to quickly view its trigger, the systems it impacts, and any actions taken to address the alert.

ActiveEye also provides tools for reviewing groups of alerts based on key attributes or time periods. Attribute filters enable users to toggle which alert groups are shown in ActiveEye, helping users spot trends or threat activity. Users can also compare alert logs for specific time periods to determine if specific trends are associated with a threat or are false positives.

Investigations and Reporting

ActiveEye includes robust *ad hoc* reporting capabilities that provide important information about active and historical threats. Users can share information outside of ActiveEye by downloading reports in .csv or .json format.

In addition to *ad hoc* reporting, ActiveEye can provide a daily email summary and monthly report. Daily email summaries can include alert counts, security cases opened or closed, saved queries that have new data, and detailed endpoint security statistics. If needed, ActiveEye can send one or more summary emails with different content for different groups. Monthly reports are available as a PDF download.

Security Advisories

ActiveEye also enables the SOC to share Security Advisories on active threats. These advisories guide security teams on how to take actions against threats and where to get more information.

Information Sharing

ActiveEye includes several other functions for sharing information. Automatic security alerts notify pre-defined contacts of incidents, based on incident priority. Other information-sharing functions include:

- **SOC Bulletins** - Instructions from your agency's personnel or the SOC that analysts reference when creating security cases. These can communicate short-term situations where a security case may not be required, such as during testing or maintenance windows.
- **Customer Notebook** - The SOC will use the Customer Notebook to document your agency's environment and any specific network implementation details assisting the SOC investigation of security cases.
- **Contact Procedures** - Escalation procedures and instructions on who to contact if an incident occurs. Contact procedures include instructions and procedures for specific security incident levels. The SOC and your agency's personnel will jointly manage contact procedures.

User Access

User access settings make it simple to add, update, and remove access to ActiveEye. Users may be given administrative access, allowing them to perform administrative tasks such as setting up new service connectors, resetting passwords, and setting up multi-factor authentication for other users.

3.4.3.2 Service Modules

One or more service modules can be integrated through the ActiveEye platform. These modules provide more information for ActiveEye to correlate, offering a clearer vision of events on your agency's network. In addition, modules enable security teams and analysts to more easily access and compare data from disparate systems.

3.4.3.3 Endpoint Detection and Response

If an attacker attempts to breach your existing security controls, it is critical to respond quickly. Integrating Endpoint Detection and Response (EDR) tools with the ActiveEye platform enables security analysts to respond to attacks and view threat intelligence in a single interface. Through the ActiveEye platform, analysts can isolate hosts, block files, allow files, and remove files.

See Table 3-3: Service Modules for subscription details.

3.4.3.4 Security Operations Center Monitoring and Support

ActiveEye MDR includes ongoing monitoring by Motorola Solutions SOC cybersecurity analysts to look for potential cybersecurity threats to connected networks, applications, and devices on a 24/7 basis. The SOC team operates from secure, redundant locations in the United States, and can securely operate at remote locations if necessary. Team members complete regular training on customer data management and privacy to protect sensitive customer data. Based on their broad security experience, the SOC's analysts will recommend security device configurations and implement playbooks to increase focus on the most critical threats.

If a threat investigation requires input from your agency's security team, the SOC will create a security case and follow defined escalation procedures for each priority level. ActiveEye will enable your agency's personnel to view security cases and event investigation history.

In the event of a potential incident, the SOC will use data available in ActiveEye and access your agency's system to determine the extent of malicious activity. If needed, the SOC will add more detection policies to your agency's service modules.

3.5 Rave Alert

In a world of unknowns, Rave's critical communication and collaboration platform helps prepare and respond to any incident. Rave Alert provides the ability to send mass notifications and/or targeted messages to connect and inform your community and organization with critical information at critical times. Backed by public safety-grade infrastructure, Rave sends billions of notifications a year and is trusted by thousands of federal, state, and local agencies.

Rave Mobile Safety's Critical Communication and Collaboration Platform is a fully funded offering by Cal OES under the NG 9-1-1 Alert & Warning System contract. For additional information or to opt-in, simply visit the following website: Cal OES NG 9-1-1 AWS.

3.6 Rave Mobile Reach

To assist with the transition to Rave Alert, Rave Mobile Safety offers Mobile Reach, a service that significantly improves your ability to reach a larger portion of your community during emergencies. Emergency communication is generally limited to landlines and individuals who opted-in to receive alerts and historically make up less than 10% of the total population. Now with the addition of mobile data, Mobile Reach acts as a powerful supplement by providing provisioned, geo-tagged, and loaded mobile contact data into the Rave Alert platform, automatically expanding your reach and connection to as many community members as possible to deliver vital information to the right people at the right time.

3.7 Avigilon Fixed Video Cameras and Access Control Solution

3.7.1 Solution Overview

Motorola Solutions, Inc. ("Motorola") is providing this proposal to the City of Huntington Park for a citywide CCTV camera solution. The proposed Avigilon Video Security and Analytics Solution consists of the Avigilon Control Center (ACC) Unity 8 video management system (VMS), video infrastructure, cameras, software licenses and storage at specified locations throughout the city.

Also included in this proposal is a citywide Access Control solution. The proposed Unity Access Solution consists of the Avigilon Control Manager (ACM) door management software, servers, HID card readers, electrified door hardware (varies depending on door type), door accessories (door contacts, REX), power supplies, and access control panels at specified locations throughout the City.

3.7.2 Solution Details

3.7.2.1 Unity 8 - Video System

Motorola will implement a citywide Avigilon Video Management System using the Unity 8 Video Client and NVR5 & recorders. Cameras will be installed at specified city properties and video will be recorded on each NVR (network video recorder) located on-site.

Motorola will provide a turnkey video security solution and will setup, program, pull cable, and commission the NVRs and Cameras for the city and train the city staff on using Unity 8.

Through collaboration with the City, and Motorola it has been determined that a turnkey video solution will be provided at the following locations:

- Huntington Park City Hall
- Huntington Park Police Department
- Huntington Park Court House
- Huntington Park Public Works
- Frank Park Community Center
- Raul Perez Park
- Salt Lake Park
- Veterans Park
- Well Site 12
- Well Site 14
- Well Site 15
- Well Site 16
- Well Site 17
- Bear Ave Well

Motorola will begin implementing new city building/sites per the agreed upon schedule and each site will go through a construction, testing, and commissioning phase. Cabling will be installed first, followed by cameras, and termination to the network. As each component of the system is brought online, it will be connected to its respective server. Once the site is tested and approved, the operating staff will be trained accordingly. Documentation will be updated to reflect the final configuration of the cameras, access control, panic alarms, and related components. MSI will train the city employees based on their roles and responsibilities.

CAT-6 cabling will be pulled from each camera back to related MDF/IDF telecom closets and terminate cameras to city network switches. If the city requires additional switch capacity, an approved Cisco switch will be provided and installed at an additional cost to the City.

Motorola will implement wireless point-to-point and point-multi-point IP radios where data networking is unavailable.

Avigilon Unity 8 is Avigilon's latest and most advanced version of ACC™ video management software. Designed to bring the right information to you so that you can take action. Unity 8 provides an easy-to-use, AI-enabled user interface to help ensure critical events do not go unnoticed. Avigilon's Next Generation Analytics delivers improved accuracy in both perimeter protection and in crowded, indoor environments:

- AI Powered Notifications and Events.
- Expanded Object Classification.
- Appearance Search and Unusual Motion and Activity Detection.
- Advanced Pattern-based Analytics.
- Teach-by-example Technology Powerful Forensics Actionable Data.
- Focus of Attention.

Avigilon's Fifth-generation Network Video Recorders (NVRs) offer our highest capacity, retention and throughput to provide secure, reliable and scalable platforms for high-performance security solutions. Reliable storage with RAID-configured redundancy offers a highly available and resilient system that protects your data. Our PRM (premium) and STD (standard) models include reliable hard drives with RAID 6 or 60 redundancy. Operating systems on a redundant array of Solid-State Drives designed for greater reliability and speed.

The operators of the Unity 8 Video system will have ability to:

- View live video.
- View recorded video.
- Perform an appearance search of classified objects (people or vehicles).
- Perform an facial recognition search (on selected cameras only).
- Share video easily with other users.
- View the health of the system (hard drive status, camera status, remaining memory of server, etc.).

3.7.2.2 Avigilon Cameras and Sensors

H5A Camera Line - presented in dome and bullet form factors, and featuring our next-generation video analytics technology to help focus your attention on potentially critical events, providing a smarter and more powerful video security solution from the moment it is deployed.

H5 Fisheye Camera Line - delivers a complete, high-resolution, 360-degree panoramic view with no blind spots.

H5 Multisensor Camera Line - combines Avigilon self-learning video analytics with exceptional coverage, featuring three or four individually adjustable camera sensors that can be positioned to monitor virtually any area. The Multisensor only requires one camera channel license, delivering more actionable data with increased ROI.

H5A PTZ Camera - brings wide area coverage and long range detail with up to 36x zoom for superior situational awareness. Provides high-quality, evidentiary images and 360° views for you to monitor critical infrastructure.

Video Retention - Avigilon's HD Video Infrastructure delivers secure, reliable, and scalable storage for video recorded from connected cameras. Video storage will be provided by the proposed hardware utilizing the Avigilon HD Video Infrastructure line. The video infrastructure units will provide sufficient onboard storage to deliver ~30-days of recorded video each (PD retention time is 365 days). *Multiple factors may affect actual video quality and retention time. Storage calculations for each site are based upon known information at time of walkthrough, and are subject to and dependent on scene activity and retention policies.

Warranty & Extended Warranties - Avigilon offers the most comprehensive warranties in the industry. Warranties listed below are provided as part of this proposal. See Avigilon Limited Warranty & Product Policies for complete details, exceptions and exclusions. Avigilon Video Infrastructure - All NVR's are backed by lifetime 24/7 Avigilon telephone technical support. NVR5X series NVR's include a manufacturer's five (5) year limited warranty with Next Business Day Dell-on-Site Response.

3.7.2.3 Unity 8 - Access Control

Motorola will provide a turn-key access control solution and will setup, program, pull cable, and commission the servers, install door hardware, provide locksmithing and readers for the city and train the city staff on using the ACM software.

Through collaboration with the City, and Motorola, it has been determined that a turnkey access control system will be provided at the following locations:

- Huntington Park City Hall
- Huntington Park Police Department
- Huntington Park Court House
- Huntington Park Public Works
- Frank Park Community Center
- Raul Perez Park
- Salt Lake Park

The Access Control Manager (ACM) Enterprise and Enterprise Plus systems are an IT-friendly Physical Access Control System (PACS) from Motorola Solutions for enterprise-class installations. It's a

complete access solution that is designed to keep your focus on securing your people, property and assets, and maximizing your time by helping you respond immediately to alerts wherever you are. The ACM™ system is a browser-based solution that can integrate with existing IT/HR systems, minimizing the need for duplicate data entry. It comes with a full set of standard features that not only offer an intuitive and easy-to-use user interface, but will reliably safeguard your information.

Mifare Desfire EV3 encrypted credential cards are recommended for this project - which represent the latest in access card security. ACM Controllers will be installed at specified city properties which will communicate back to the Police Department MDF ACM Server. We recommend the Avigilon AC-MER-CONT-LP1502 controller board with AC-MER-CON-MR52-S3B reader interface modules for controller systems. Avigilon/Life safety power supply enclosures will be used for power. Motorola will provide a turn-key solution which includes setup, programming, ACS cable where necessary, the ACM Server, Signo-40 & Signo-20 readers, and door lock hardware and door lock power where applicable*.

The access control will allow the city to control who enters each facility. A visitor who wished to enter the Staff only (or non-public access areas) areas of the facility will need a card credential. This credential will be presented to a card reader - the card reader will the encrypted information from the card and either allow or deny access into the area. A record of this transaction is kept on the ACM server. An operator of the ACM system has the ability to review entry reports as well as add users, remove users, initial holiday door schedules, and view the health of the system in its entirety.

The ACM system will be integrated into the Unity 8 Video system for the purpose of viewing and confirming the card users identity, and investigate (through video confirmation) that the user of the card credential is in fact the appropriate user (holder) of the card credential.

3.7.2.4 Video System Maps and Device Layout

Below are the maps and device layouts of all locations where Unity 8 Video System is provided. A detailed list of all included devices is provided in Appendix B Huntington Park VMS Device List.

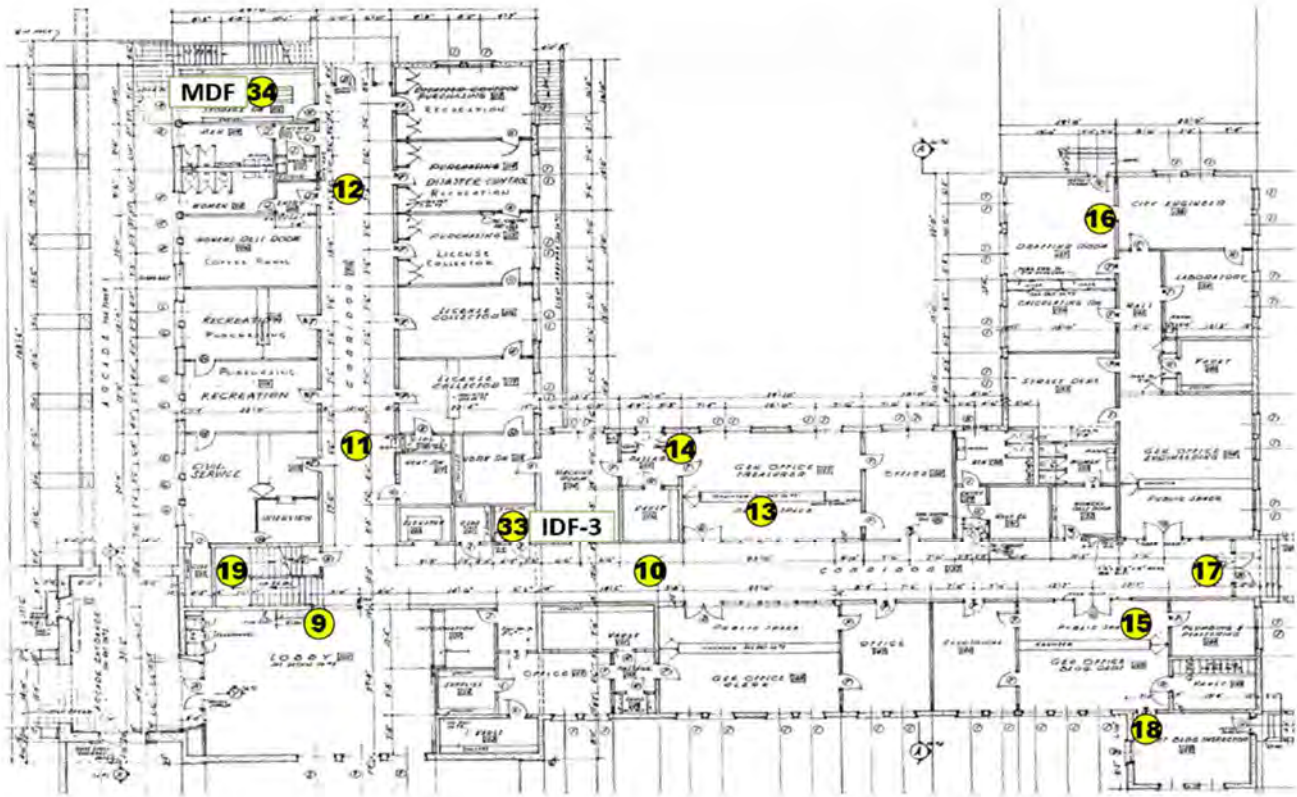


Figure 3-26: City Hall and Courthouse - Floor 1



Figure 3-27: City Hall and Courthouse - Floor 2

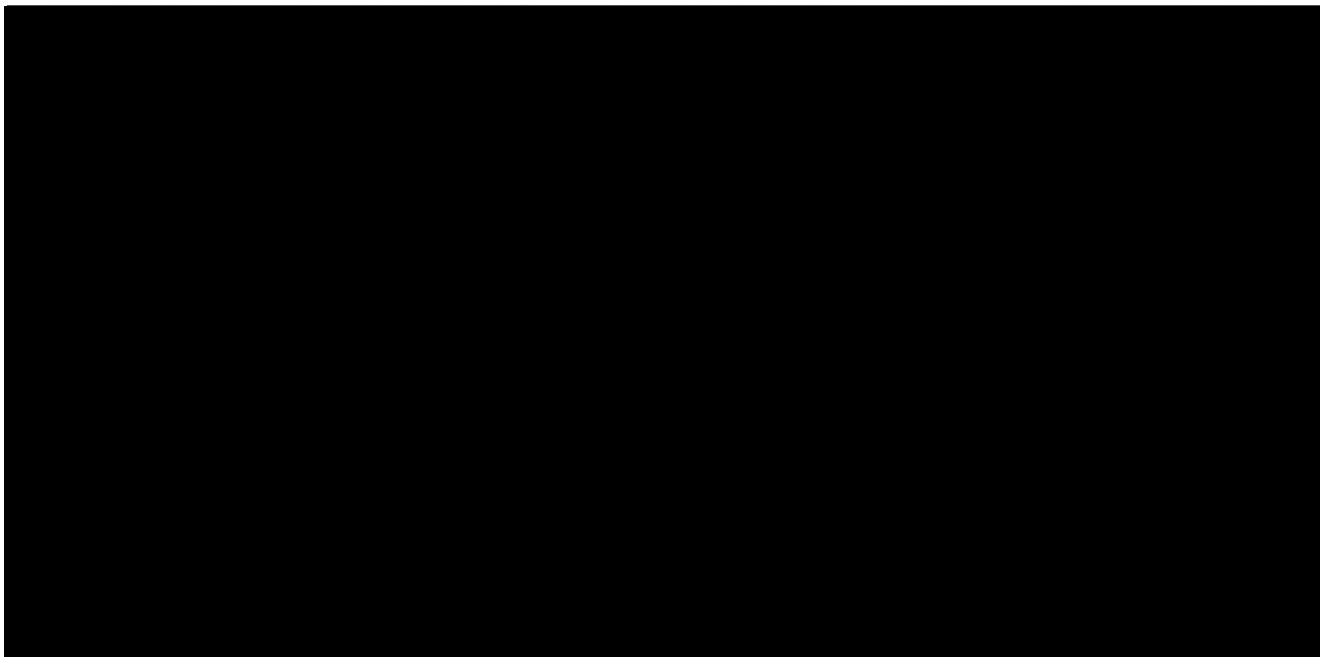


Figure 3-28: City Hall and Courthouse - Exterior

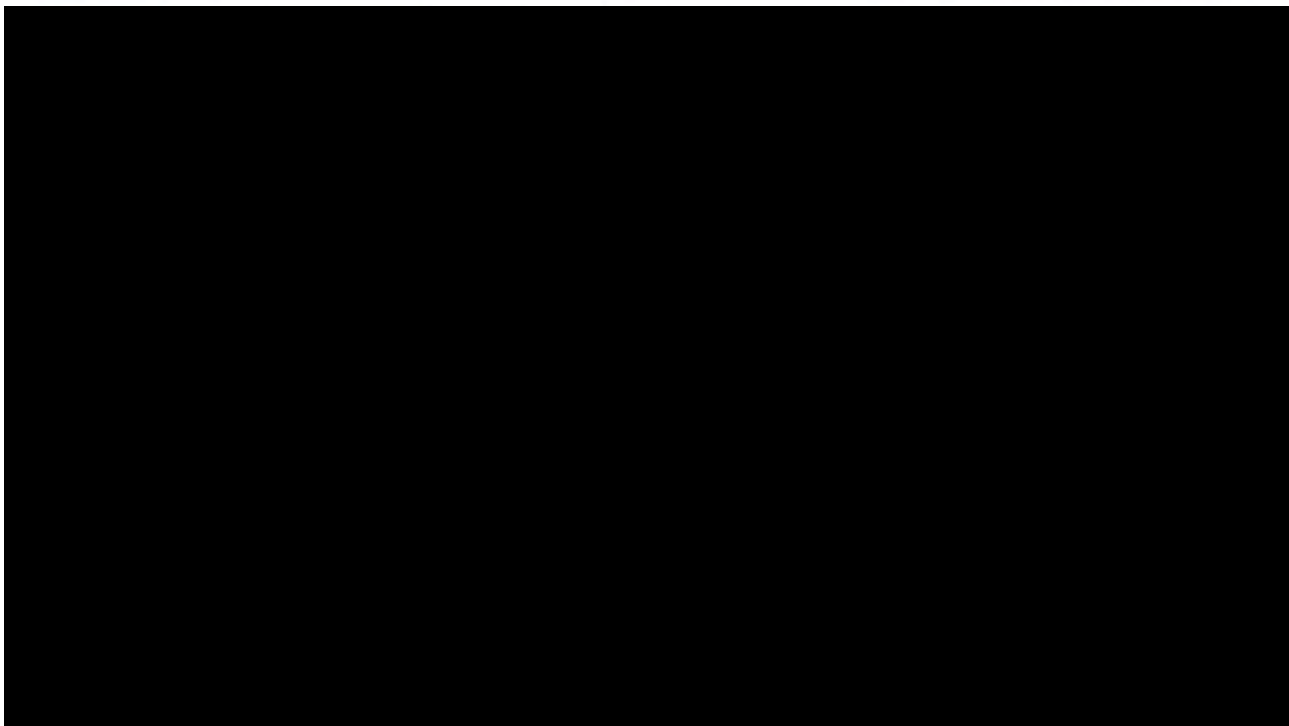


Figure 3-29: Police Department - Floor 1

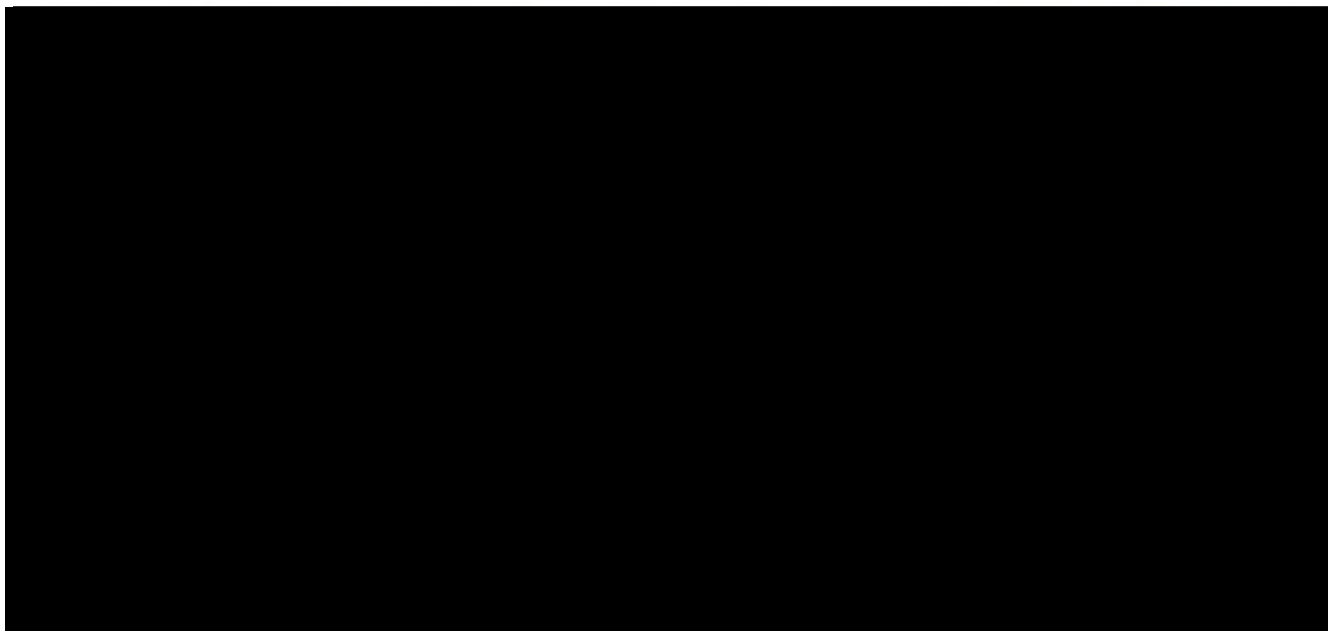


Figure 3-30: Police Department - Floor 2

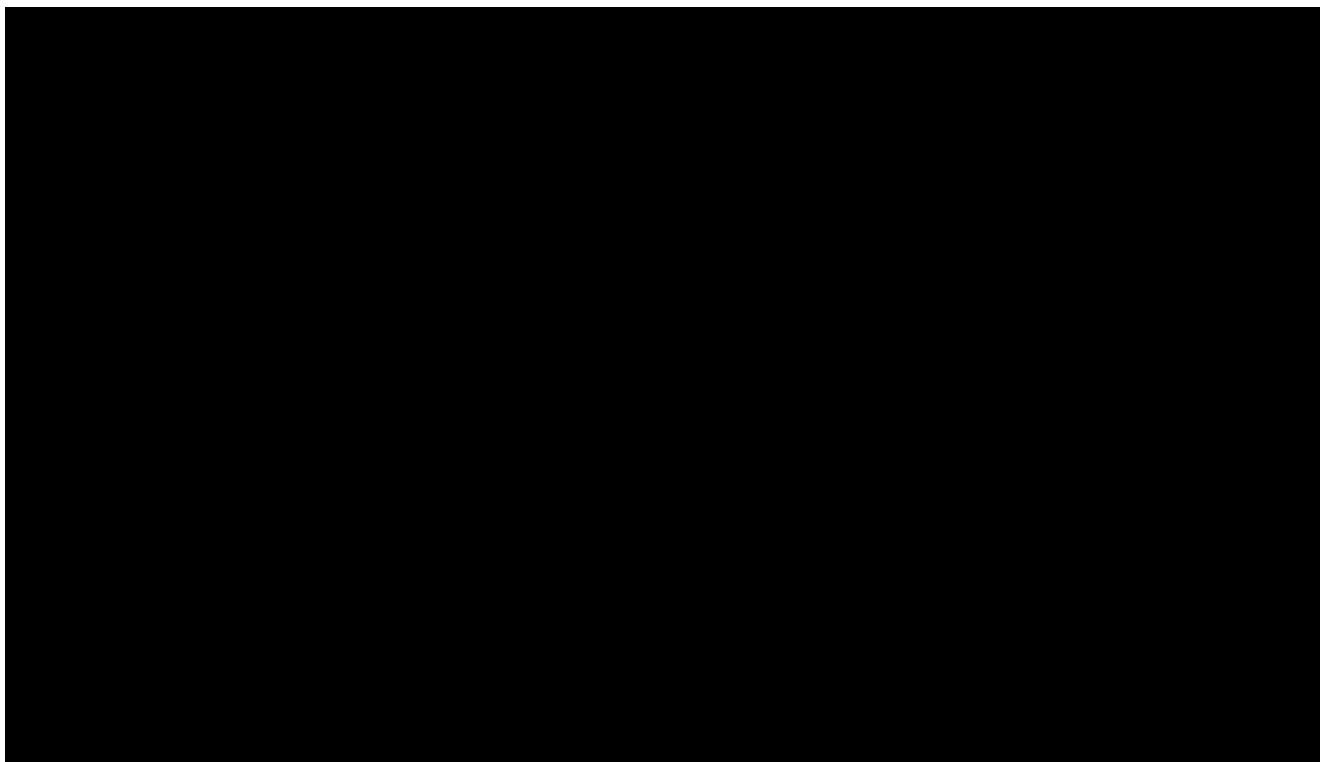


Figure 3-31: Police Department - Exterior

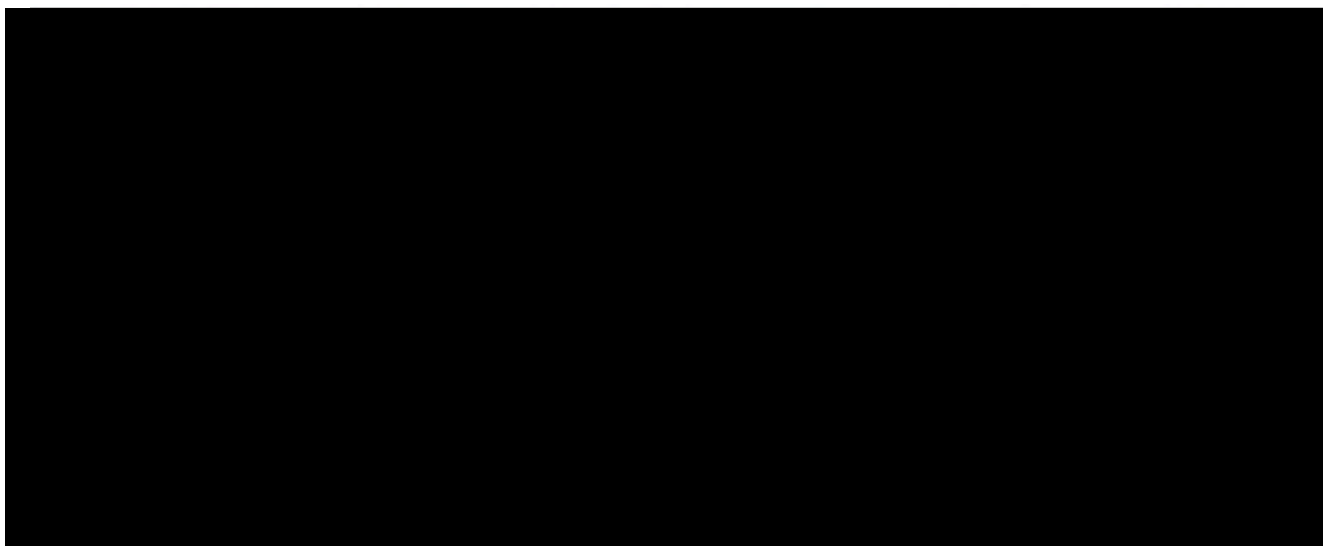


Figure 3-32: Huntington Public Works - Bld. 1 (exterior)

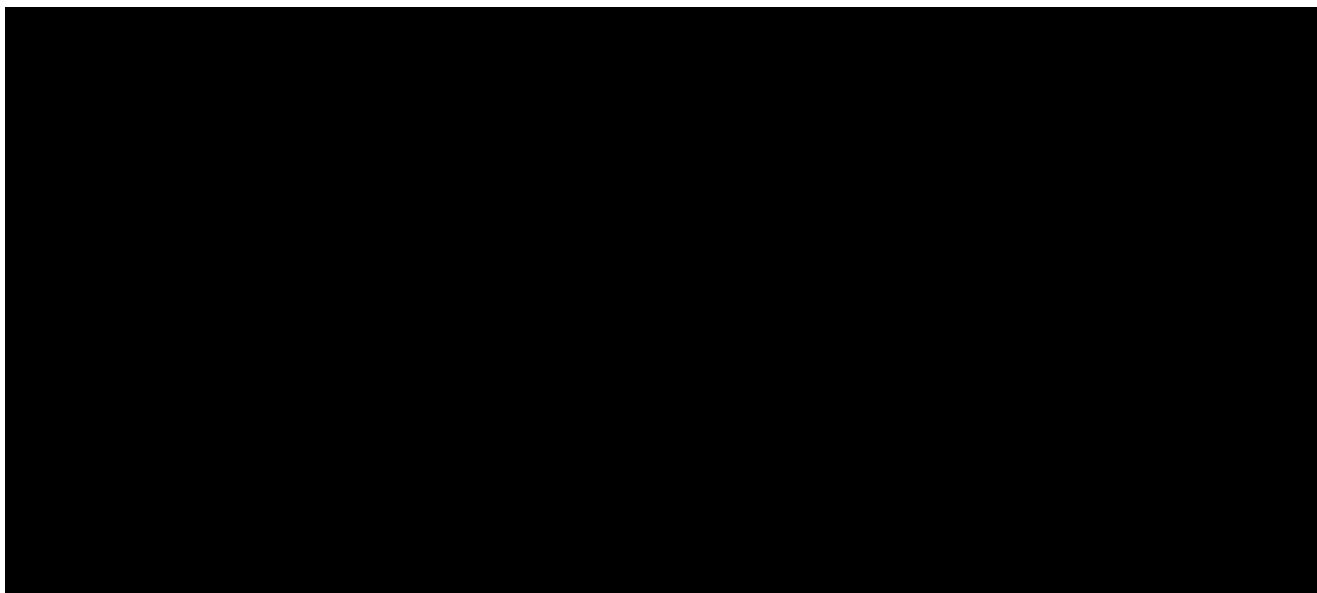


Figure 3-33: Huntington Public Works - Bld. 2 (exterior)

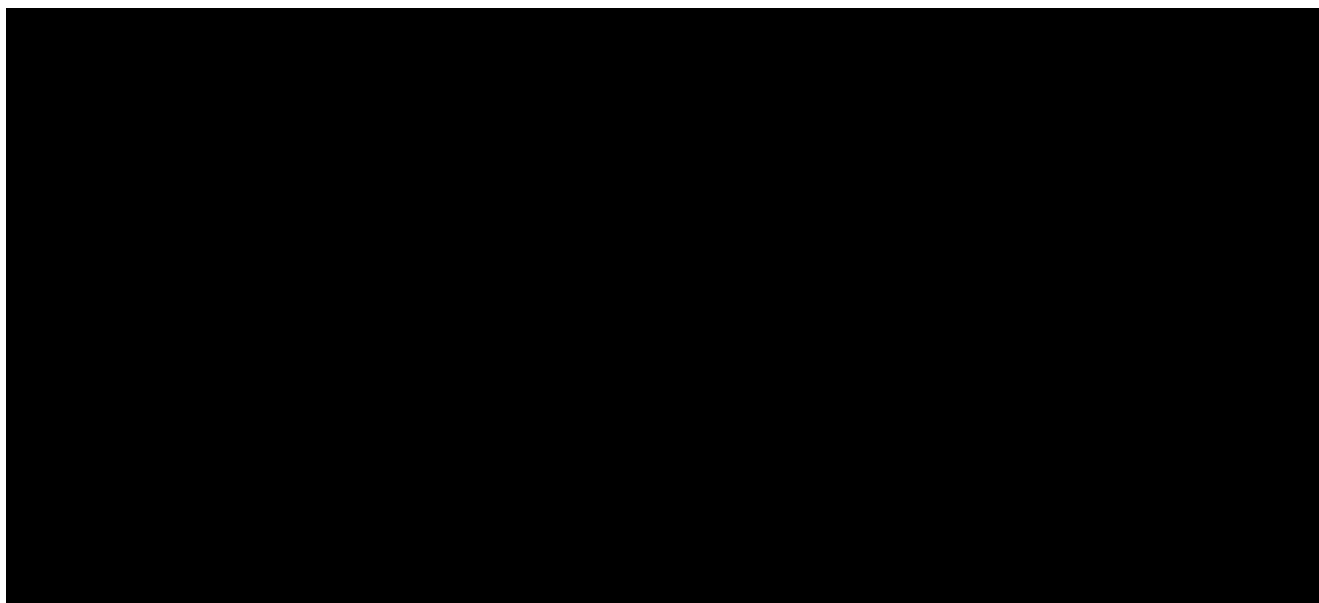


Figure 3-34: Huntington Public Works - Bld. 3 (exterior)

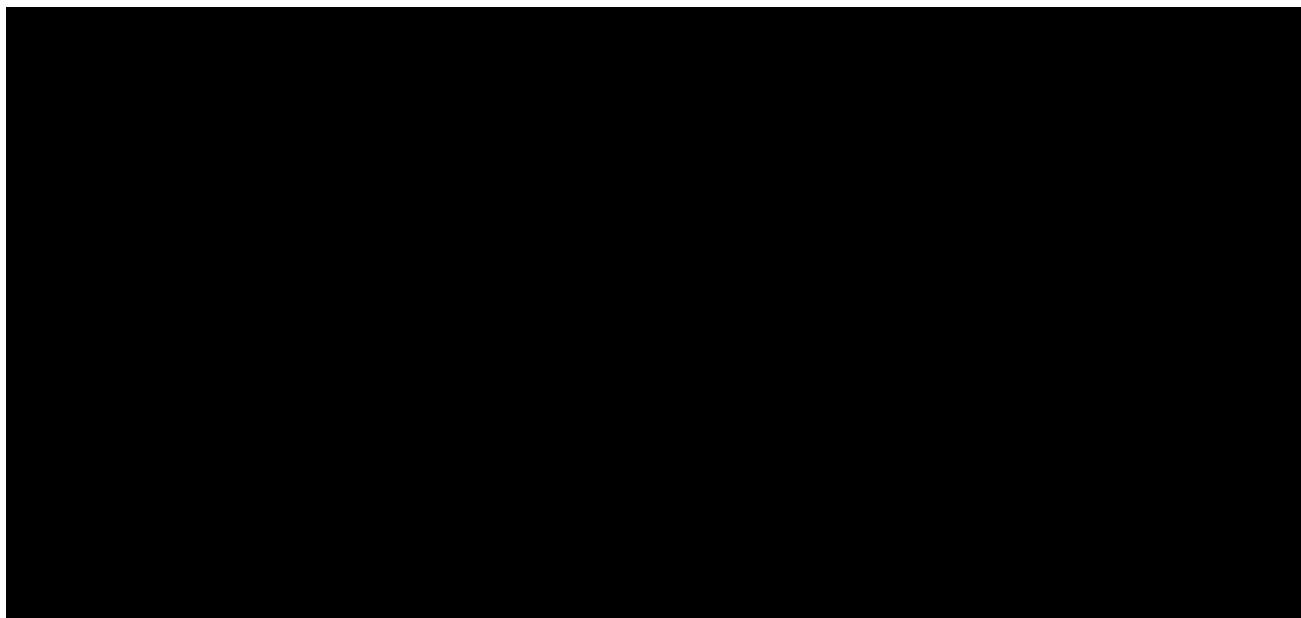


Figure 3-35: Huntington Public Works - Bld. 4 (exterior)

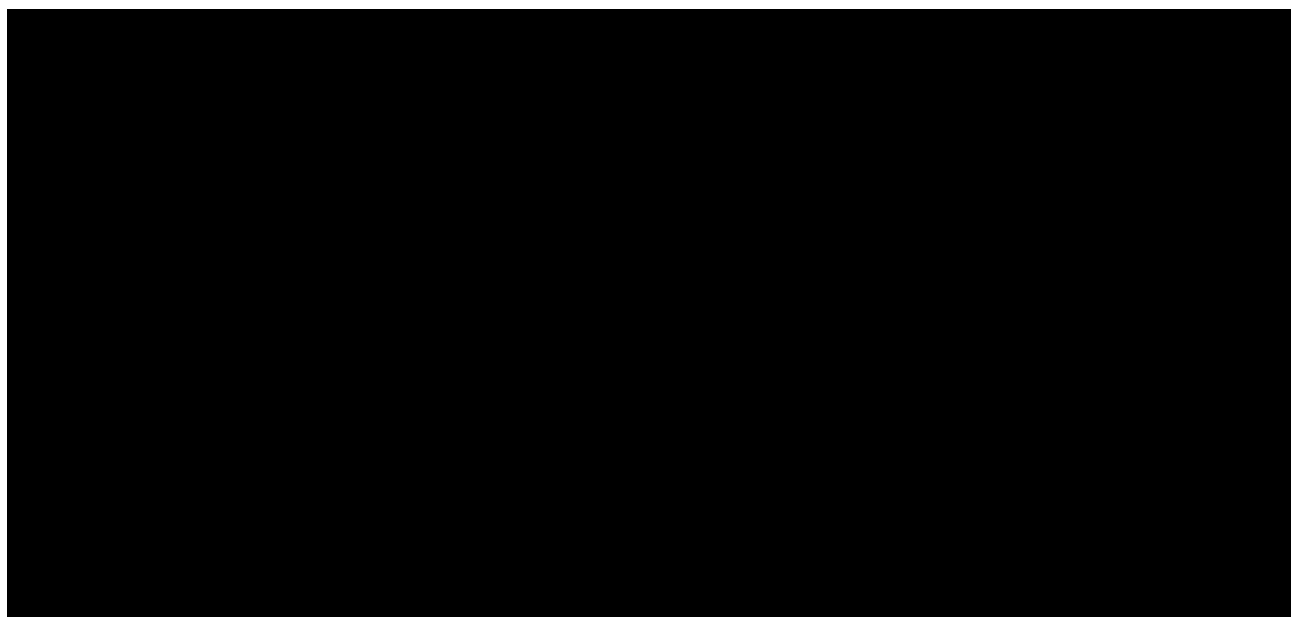


Figure 3-36: Huntington Public Works - Bld. 4 (exterior)

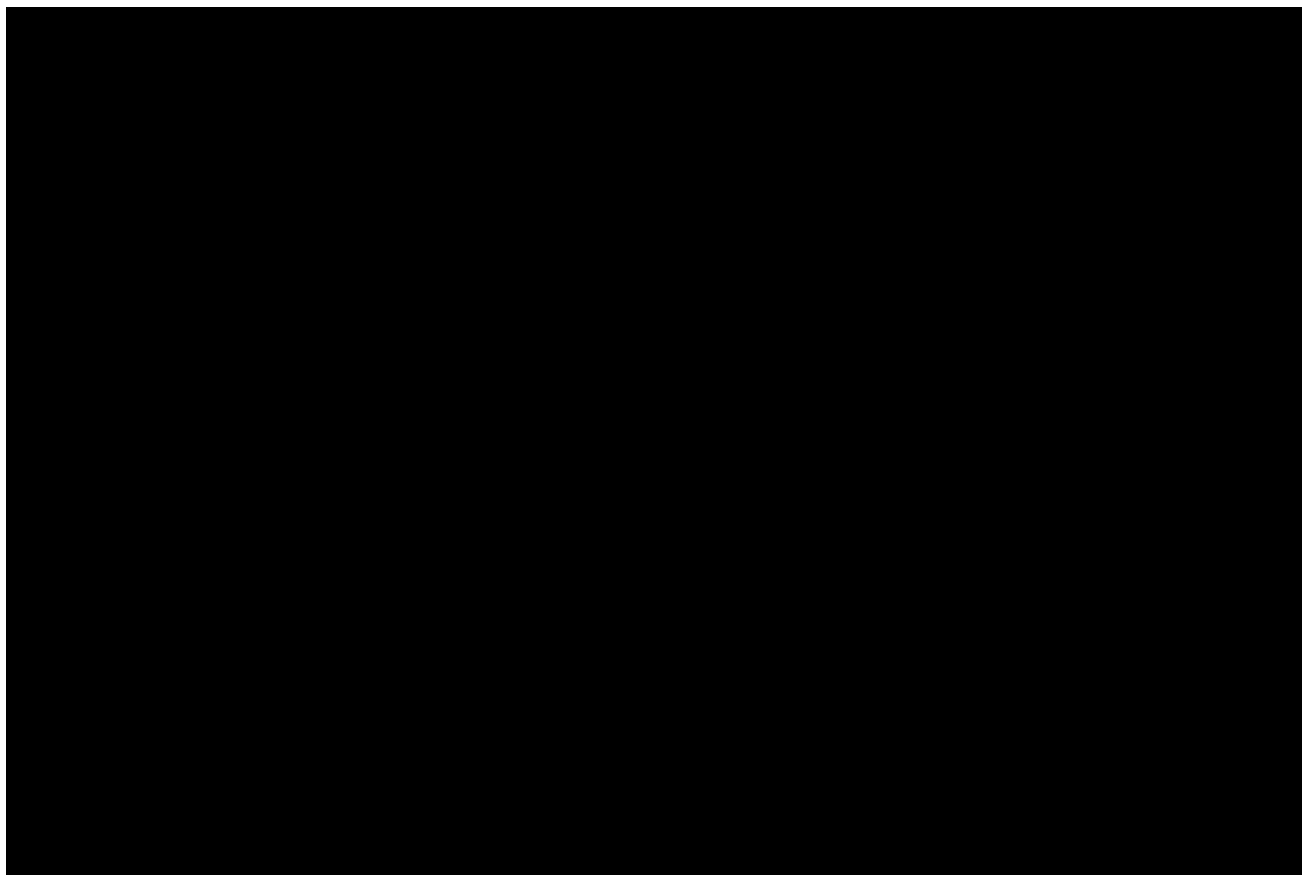


Figure 3-37: Frank Park Community Center (Interior + Exterior)

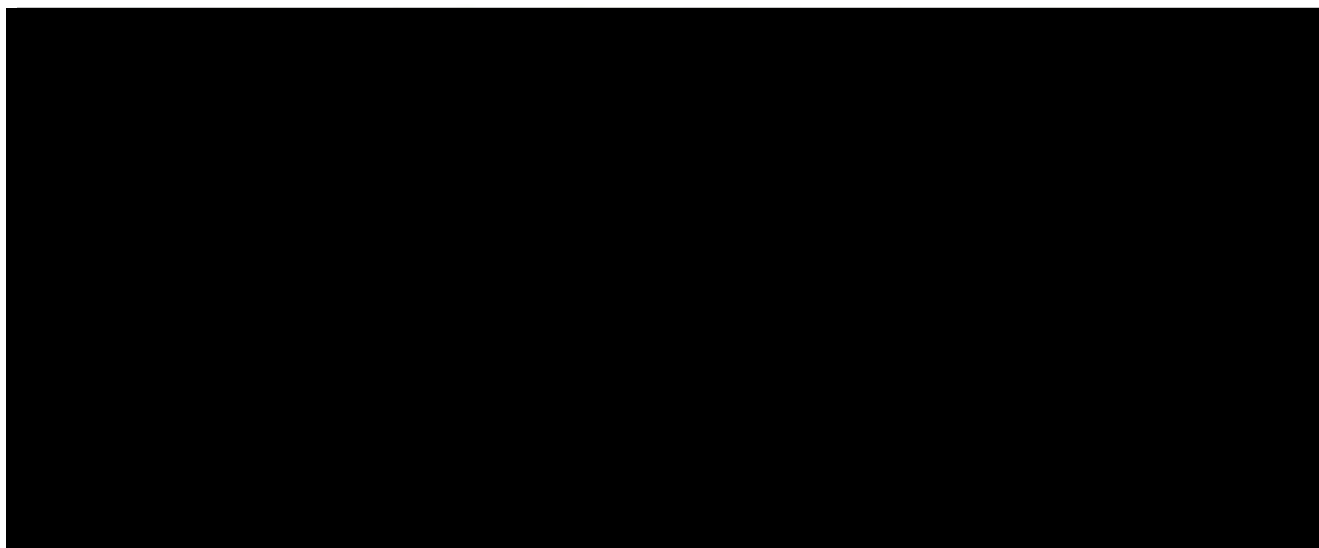


Figure 3-38: Raul Perez Park (Exterior + Interior)

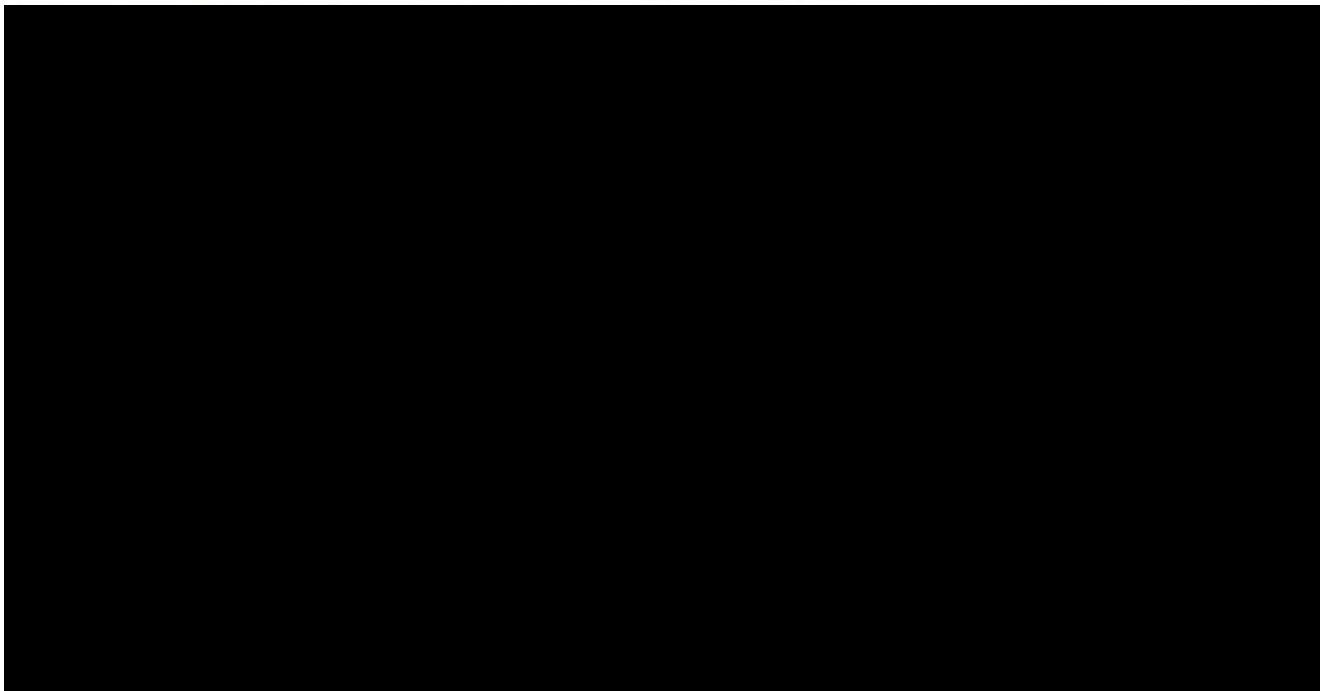


Figure 3-39: Salt Lake Park (Exterior)

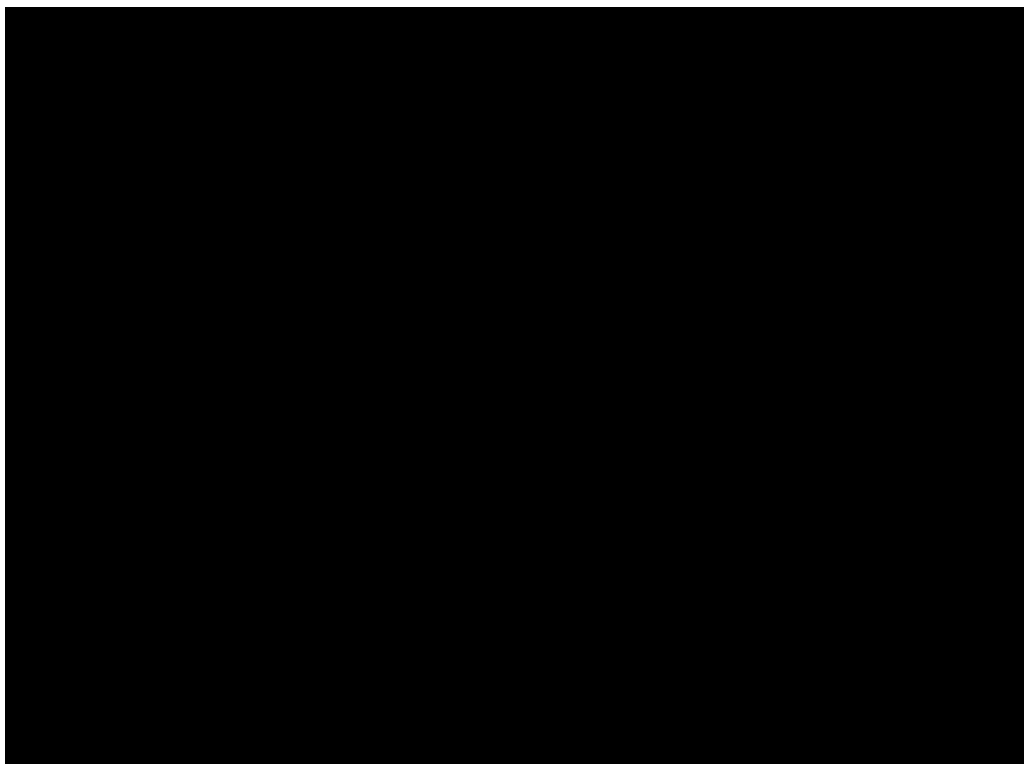


Figure 3-40: Salt Lake Park (Interior)

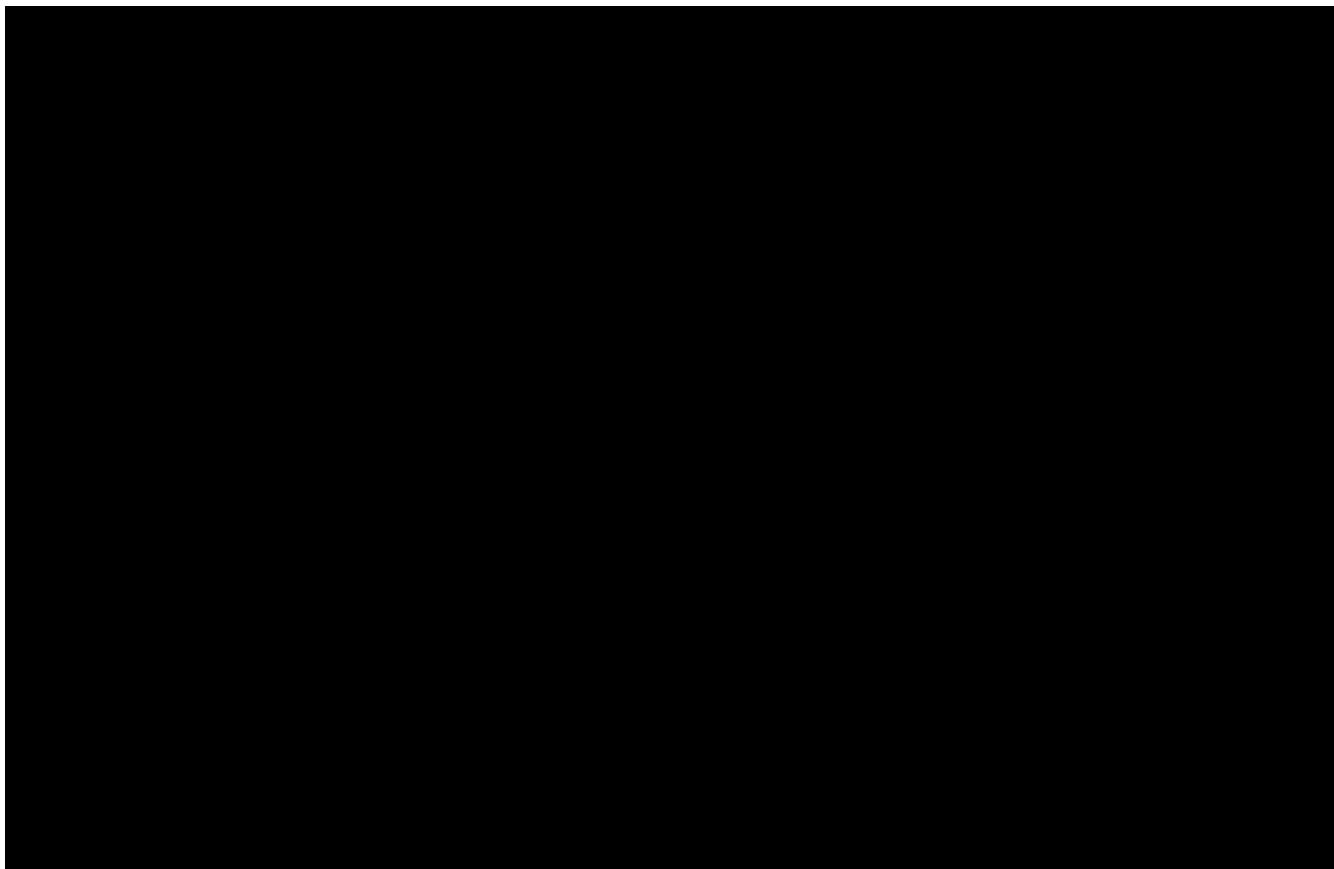


Figure 3-41: Veterans Park

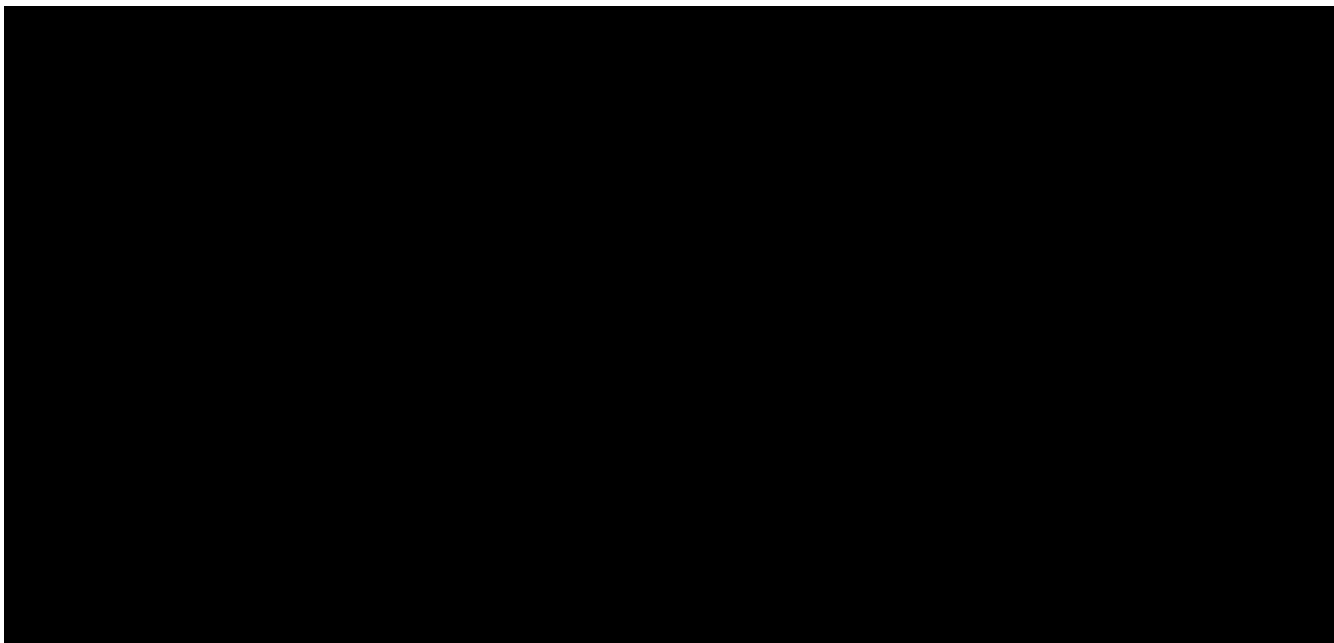


Figure 3-42: Well Site 12

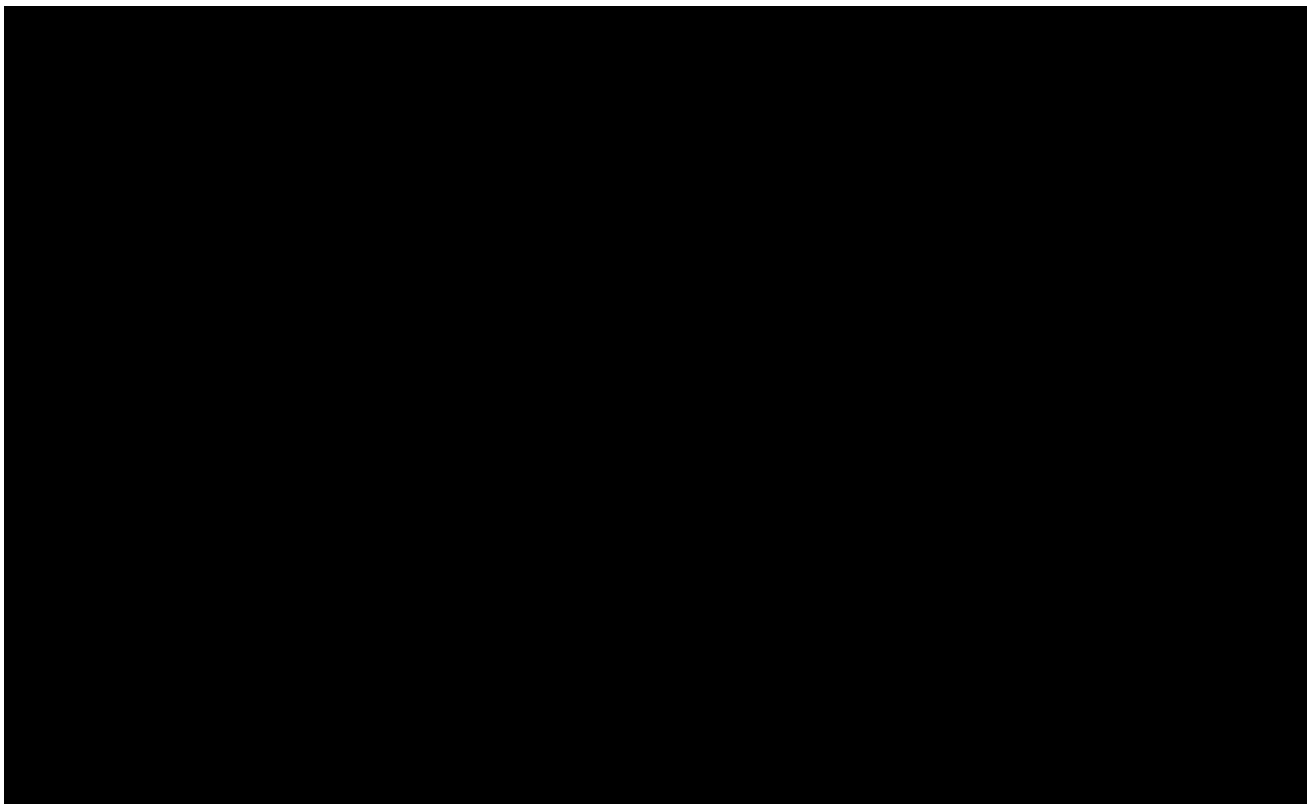


Figure 3-43: Well Site 14

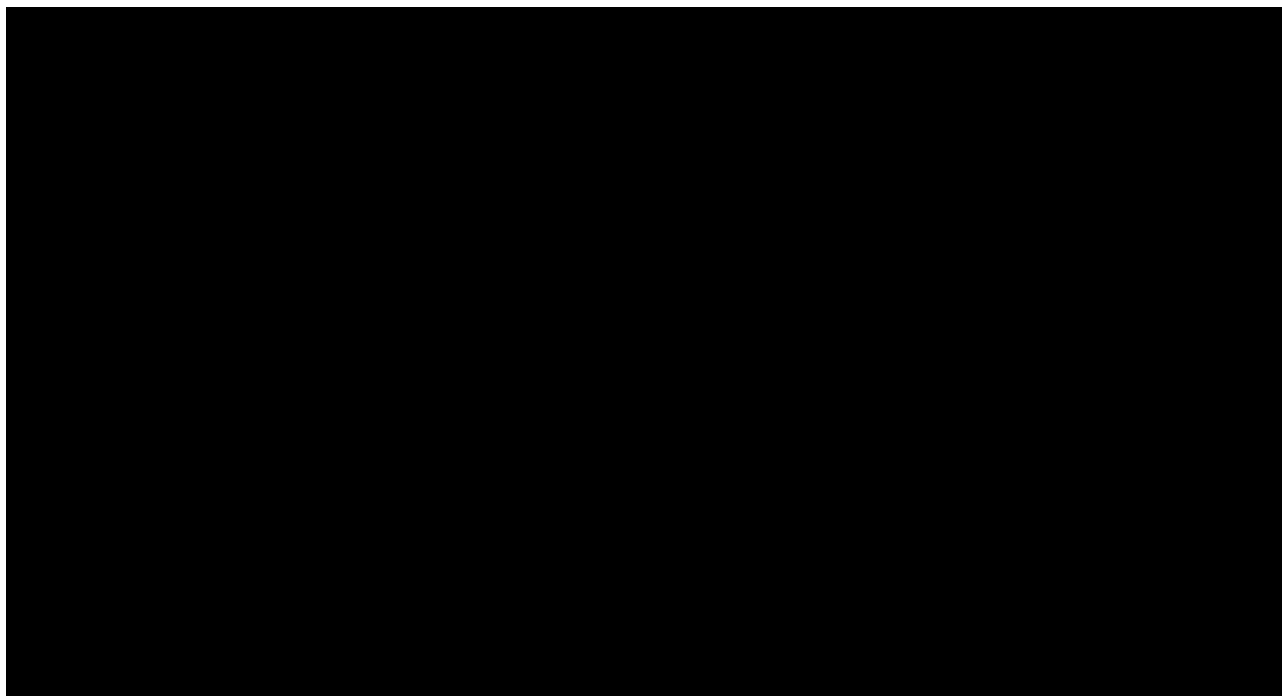


Figure 3-44: Well Site 1

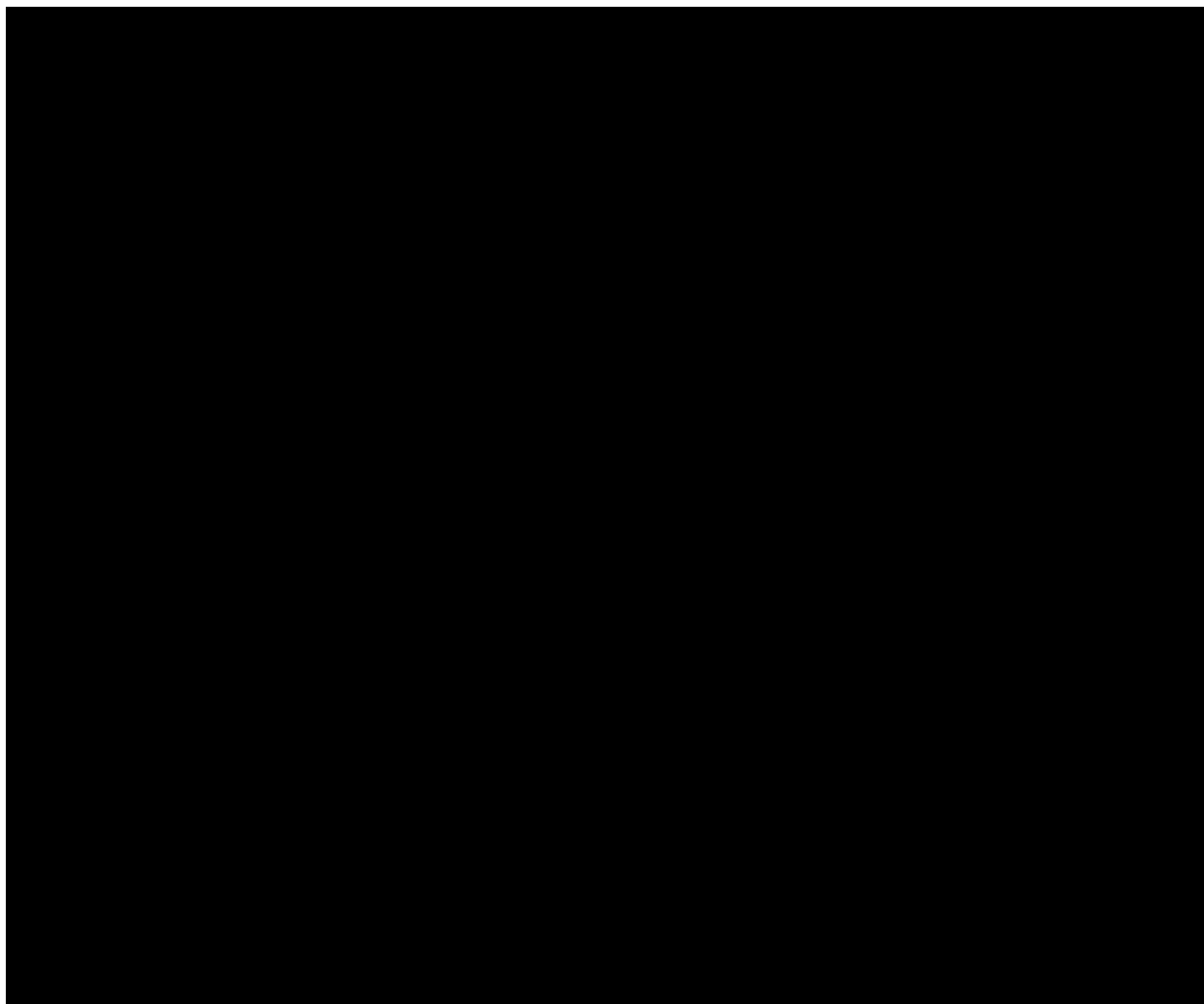


Figure 3-45: Well Site 16

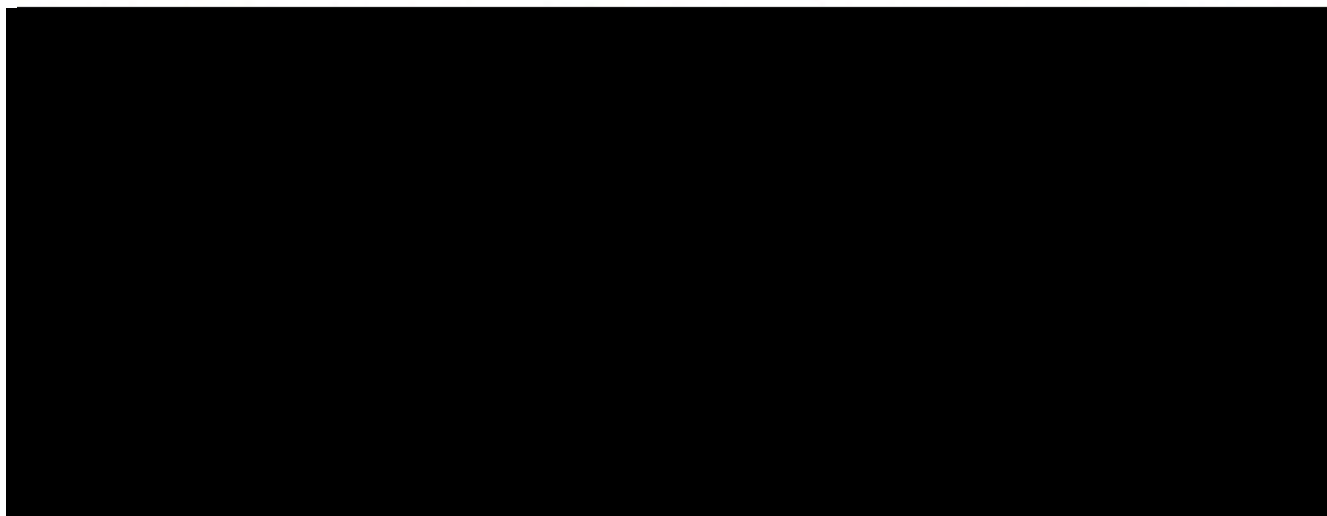


Figure 3-46: Well Site 17

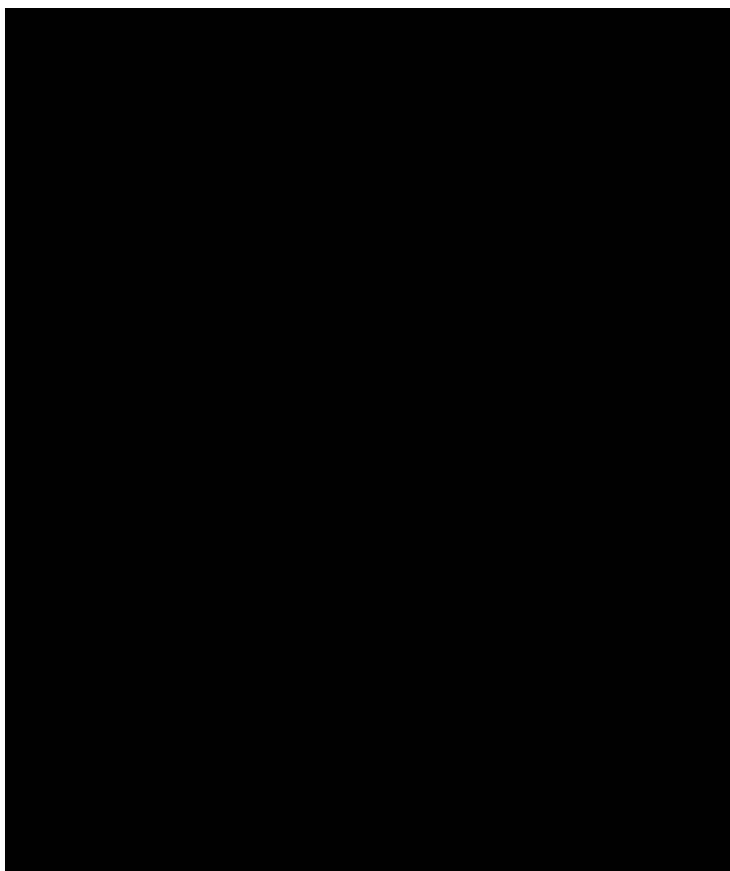


Figure 3-47: Bear Ave Well

3.7.2.5 Access Control Maps and Device Layout

Below are the maps and device layouts of all locations where Unity 8 Access Control is provided. A detailed list of all included devices is provided in Appendix C Huntington Park ACS Device List.

Customer Name: City of Huntington Park
Job Address: 6550 Miles Ave, Huntington Park, CA 90255
Project Description: City Hall, ACS Project
Prepared by: Orlando Mendez
Date: 5/23/2024

ACS, First Floor Interior Locations

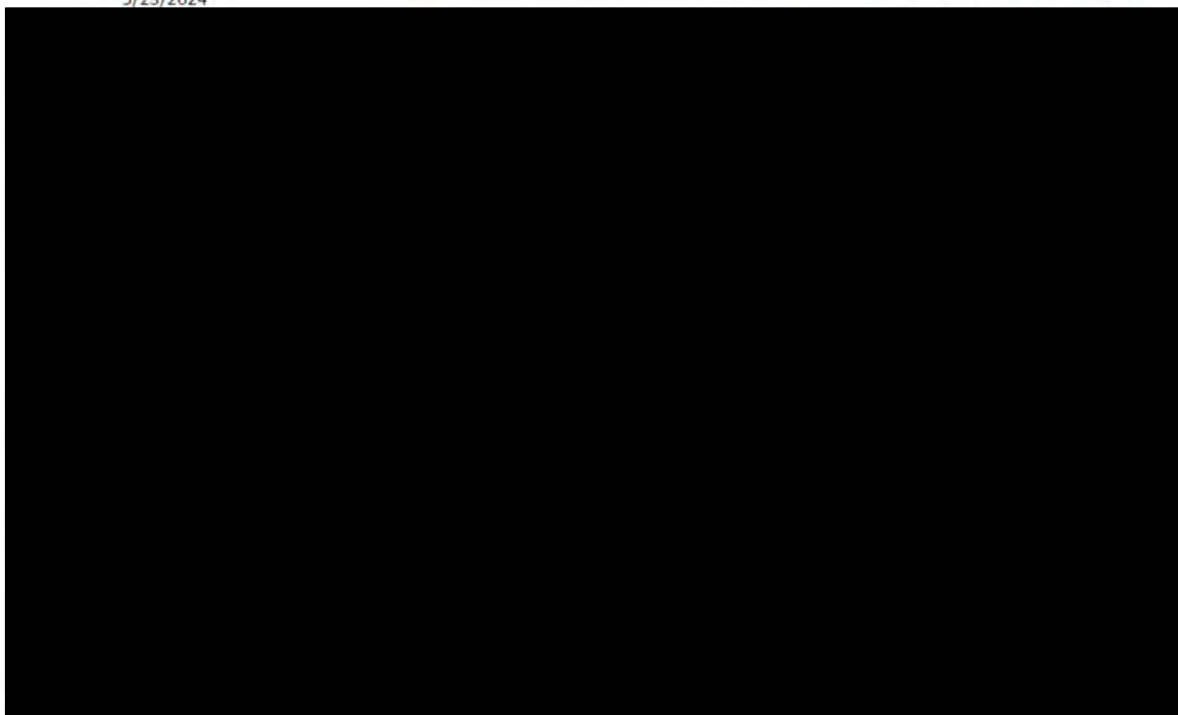


Figure 3-48: City Hall ACS DL DS

Customer Name: City of Huntington Park
Job Address: 6518 Miles Ave, Huntington Park, CA 90255
Project Description: Courthouse ACS Project
Prepared by: Orlando Mendez
Date: 5/23/2024

ACS, First Floor Interior

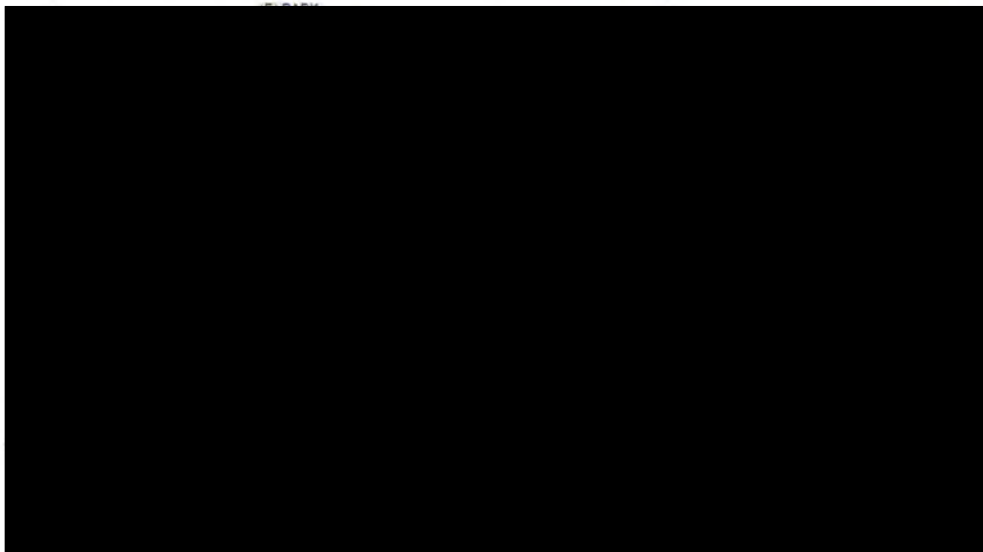


Figure 3-49: Courthouse ACS DL DS

Customer Name: City of Huntington Park
Job Address: 6542 Miles Ave., Huntington Park, CA 90255
Project Description: Police Department, ACS Project
Prepared by: Orlando Mendez
Date: 5/23/2024

ACS, Interior First Floor

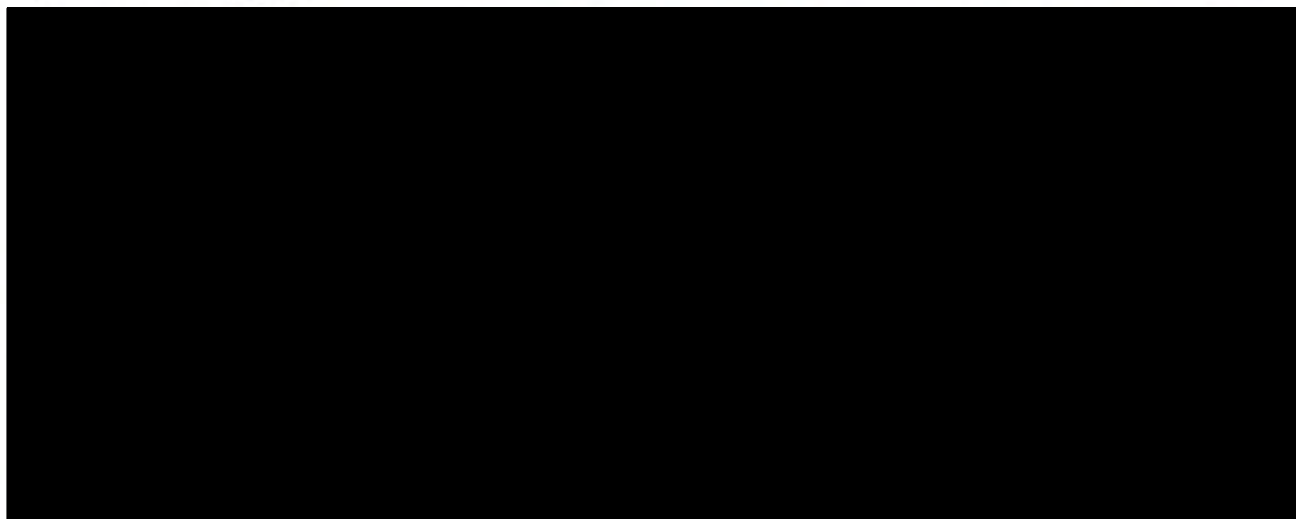


Figure 3-50: PD ACS DL DS

Customer Name: City of Huntington Park
Job Address: 6900 Bissell St, Huntington Park, CA 90255
Project Description: Public Works, ACS Project
Prepared by: Orlando Mendez
Date: 5/23/2024

ACS, Building 1

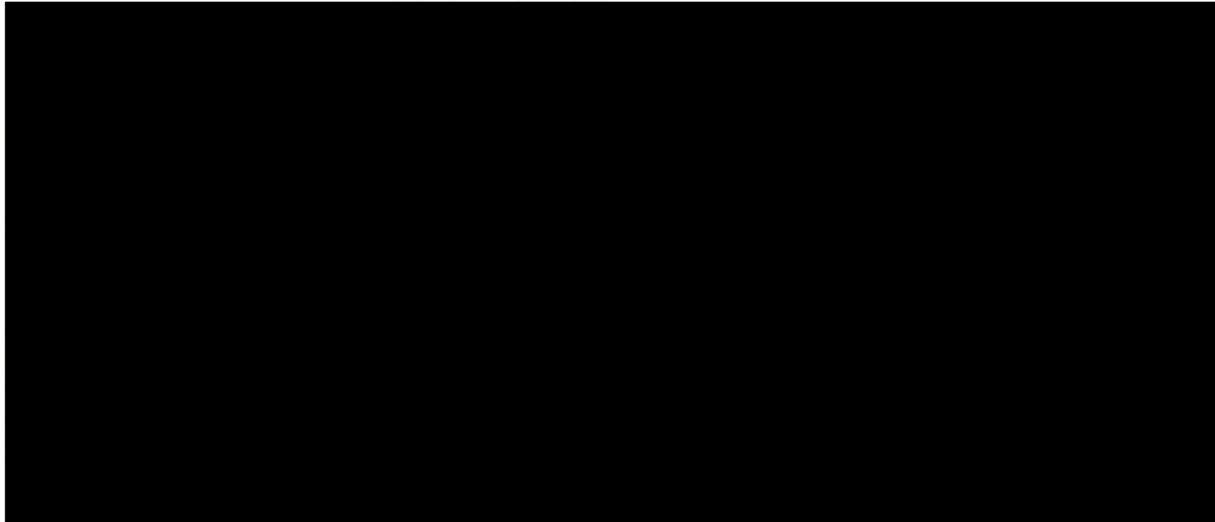


Figure 3-51: Public Works ACS DL DS

Customer Name: Huntington Park
Job Address: 6925 Salt Lake Ave, Huntington Park, CA 90255
Project Description: Community/Frank Park
Prepared by: Orlando Mendez
Date: 5/23/2024

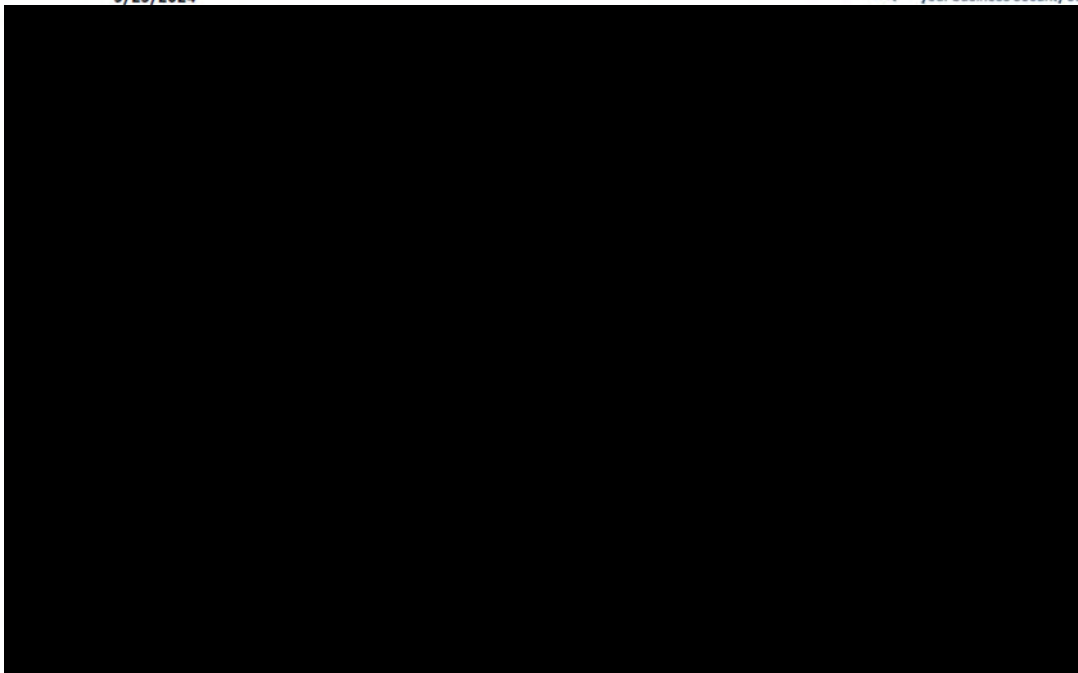


Figure 3-52: Community Center aka Frank Park ACS DL DS

Customer Name: City of Huntington Park
Job Address: 6208 Alameda St, Huntington Park, CA 90255
Project Description: Raul Perez Park
Prepared by: Orlando Mendez
Date: 5/23/2024

ACS

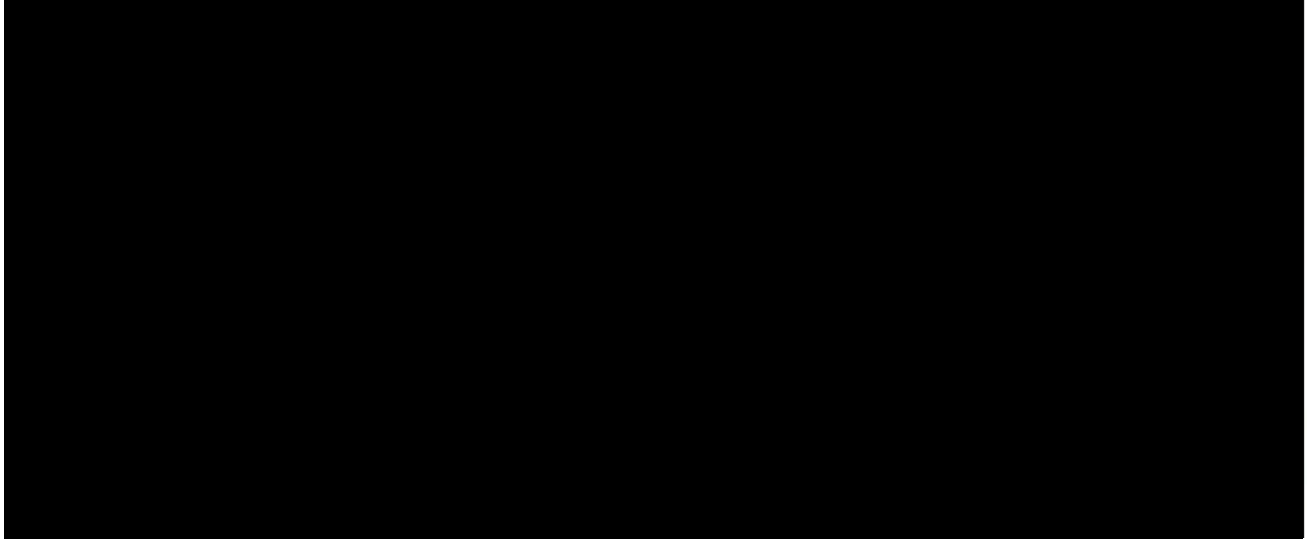


Figure 3-53: Raul Perez Park ACS DL DS

Customer Name: Huntington Park
Job Address:
Project Description: Salt Lake Park
Prepared by: Orlando Mendez
Date: 5/20/2024

Device Layout ACS

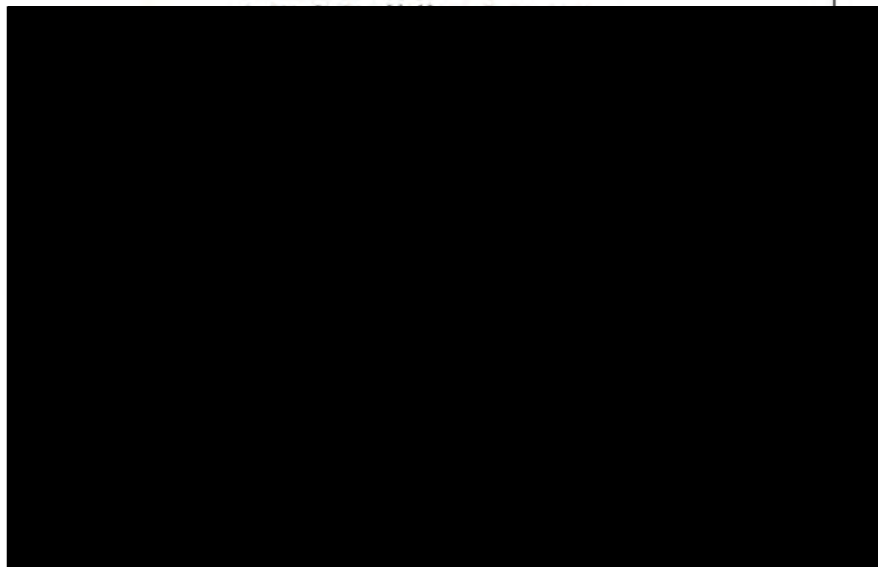


Figure 3-54: Salt Lake Park ACS DL DS

3.7.2.6 Maintenance

Video Surveillance & Access Control monthly Preventative Maintenance Details:

- 4:00 PM On-Site Visits Per Year (Four (4) visits of 4-Days with two (2) Technicians).
- Site Report will be Generated for each Visit Upon Completion within 5 Business Days.
- Dedicated MAPS 1-800 Line 24/7 Answering Service.
- Emergency 6-Hour Response Time via Telephone During Business Hours.
- Emergency 48-Hour Response During Business Hours M-F 9am-5pm On-site.
- Service Calls on-site have a four-hour minimum.
- Service Calls to be charged at a \$230.77/Hour Rate.
- Emergency Calls outside of business hours to be charged at time and half.
- This quote does not include any camera or access control material parts or costs. Parts will be charged separately per each service.
- City of Huntington Park to provide SOV with remote access to Video NVR and Access Control Server for remote service calls. Any remote service will have no minimums and will be charged at a \$230.77/Hour rate.
- Lift charges will be included for 6-days per year.
- Repair calls outside of PM visits may require additional lift charges.

3.7.2.6.1 PM Visit Task List: Video Management System & Access Control

- Check Server Health, Software Updates, Log Files, Server Hard Drive Health, Server Time, Daytime Recording, Nighttime Recording, Confirm IR Function.
- Check & Clean Dirty Cameras: Check Focus, Check Cabling for Wear, Clean Dirty Domes, Check Camera Firmware & Update, Recording Retention, Camera Views & Focus, System Backups.
- Log-in and Check Switches, Check IP Radios, Check Fiber, Review All Port Information Labeling, Review Cabling and Wire Management, Exceptions.
- Fill in Preventative maintenance Report for Site.

3.7.2.7 Specifications / Datasheets

Motorola Solutions has provided key literature in Section 7.

3.8 CommandCentral Aware

3.8.1 Overview

To integrate and provide a unified platform for the City to consolidate all the new data collection systems described above and existing data system that the City owns, and have a unified interface to view them all, Motorola proposes CommandCentral Aware Suite.

Motorola's CommandCentral Aware solution for City combines disparate systems and data into an accessible, "single pane of glass" user interface. This single interface offers command centers a complete operating picture to support field personnel in real time. CommandCentral Aware unifies data from mapping, correlated event monitoring, analytics, and communications. This interface streamlines public safety workflows and viewpoints, enabling users to access and act on critical information.

Users that can benefit from accessing CommandCentral Aware include but are not limited to Dispatchers, PSAP Supervisors, Real Time Crime Analysts as well as Investigators.

The agency can increase the value of current investments by connecting CommandCentral Aware to other software platforms. These integrations can include Computer Aided Dispatch (CAD) systems, Call Handling, Land Mobile Radio (LMR), and/ or Video Management Systems (VMS). Users can communicate with confidence, knowing their information is hosted in the highly secure Microsoft Azure cloud.

3.8.1.1 Designated Entities

The entities participating in the CommandCentral Aware solution are:

- City of Huntington Park Police Department.

3.8.1.2 Application Software and System Components

The CommandCentral Aware solution includes the following elements:

- CommandCentral Aware Plus with up to twenty (20) Named User Licenses and 5 year subscription.
- Spillman Flex CAD Integration for incident and/ or unit location Automatic Vehicle Location (AVL).
- PremierOne CAD Integration for incident and/ or unit location Automatic Vehicle Location (AVL).
- VESTA Call Handling Integration for 911 Call Data.
- ASTRO Radio/ APX NMEXT Location and Presence (IMW) Integration.
- Rave Panic Alert Integration.
- Avigilon Control Center (ACC) Integration.

3.8.2 The CommandCentral Platform

CommandCentral is an end-to-end platform of interconnected solutions that unify data and streamline public safety workflows from a tip or call to case closure. Through single sign-on capabilities, your personnel can access all CommandCentral software applications with one agency username and password for a more streamlined workflow. The CommandCentral platform puts your agency's data to

better use, improves safety for critical personnel, and helps keep your focus on the communities you serve.

CommandCentral evolves over time, maximizing the value of existing investments while adopting new capabilities that better meet your personnel's growing needs. With cloud-based services and an agile development methodology through constant user feedback, Motorola Solutions can deliver new features and functionality in a more manageable, non-intrusive way.



Figure 3-55: The CommandCentral End-to-End Platform

3.8.3 CommandCentral Aware Features

CommandCentral Aware provides location and alert capabilities to improve public safety response, described in the sections below.

Mapping

CommandCentral Aware features a unified interface to display locations and alerts. Users can view all location-based data on the map display to enhance decision making. CommandCentral Aware Mapping features also include the following:

- Event Monitors – View CAD incidents, open-source data alerts, and sensors on a map. This map can consist of Esri online, Esri server, or static map layers. This map can be modified with other data layers.
- Data Layer Panel – Show or hide data layers to refine the map view.
- Event Information Display – View details associated with each icon on the map.
- Historical Map – View a 90-day lookback of CAD incidents, service requests, or emergencies. An export tool extracts the recreated timeline to KML format to view in Google Earth or ESRI ArcGIS Pro. Aware's Historical Map view enables users to interact with video assets that were available during the selected, historical time-frame. If the camera (and its relative VMS) has the ability to play recorded footage, the recorded footage of the selected time frame can be played in Aware's Video Module directly from the Historical Map.

Geographic Information System (GIS) Data Set

CommandCentral Aware integrates with hosted GIS data sets from Esri ArcGIS Server or ArcGIS online. The geospatial information contained within these data sets are core to the intelligent map display. This enhances workflow details driven by geography and the metadata contained within these data sets.

Esri's powerful geospatial engine within CommandCentral Aware is used to automatically invoke spatial queries, including nearby items and geographic boundaries. This geospatial processing enables intelligence-driven analysis in order to focus on the concentrated area of concern and orientate those responding.

Data sets help users to:

- Refine displayed data based on the geographic area defined per user. Data includes area, beat, sector, precinct, zone, or quadrant.
- Find nearby entities by predefined distance. Parameters include closest camera while in route, closest cameras to an event - CAD, gunshot detection, alert.
- Determine road blockages caused by traffic jams, flooded roadways, or other obstacles.

Weather Integration

CommandCentral Aware includes integration with Weather services. This integration provides customized weather-driven services. Services include site-specific forecasts, severe-weather warnings, historical data, and custom analytics. Weather services also provides the following data:

- Location key for the desired location.
- Forecast information for a specific location.
- Current Conditions data for a specific location.
- Daily index values for a specific location. Index availability varies by location.
- Radar and satellite images.

Rules Engine

The Command Central Aware rules engine allows users to create rule-sets to trigger actions based on event types. For example, users can highlight rows in the Event Monitor and customize sound alerts for critical incidents. These visual and audio triggers reduce the number of steps needed to support an incident.

Floor Plan Integration

CommandCentral Aware allows the ability to view building floor plans in the Map Module enabling users to see detailed building levels, switch between floors, and look for specific rooms or cameras on each floor. Clicking the map opens a floor plan widget at the bottom of the window where users can change the view between floors in a building. The Indoor Cameras Tool allows users to place cameras on the building floor it is located on, providing more granularity in locations where cameras are installed on multiple floors. Floor plan files must be in AutoCAD DXF format to be supported by CommandCentral Aware. There are twenty five (25) floors included with CommandCentral Aware. Each additional floor will incur an additional cost.

3.8.4 CommandCentral Aware Integrations

CommandCentral Aware can integrate with various tools and solutions, described in the sections below.

Computer Aided Dispatch (CAD) Integration

CommandCentral Aware integrates with CAD systems to provide CAD status and event monitor capabilities. The CAD status monitor allows users to see a listing of incidents (event type, location incidents, narrative, priority, status, geographic area, and location of devices or units). The application consumes event-driven data from multiple CAD systems, allowing for real time assessment with other relevant data published to the platform, such as officer location, alarms, alerts, tips, tactical information, voice, and video. This proposal includes Flex and P1 integrations as required by the City of Huntington Park.

VESTA 911 Call Handling Integration

CommandCentral Aware integrates VESTA 911 call data. The CommandCentral Aware application displays key caller events, such as 911 ringing, connects, and disconnects, alongside location updates to monitor the status of wireless callers. This provides essential information to assist personnel responding to an incident. In addition, a view of a call-based heat map helps PSAP resources understand where the volume of calls is coming from and improve the decision making process.

- Authenticates 9-1-1 calls for Hybrid Enhanced Location information.
- Maps Text-to-9-1-1 calls.
- Displays links to building footprints and Automated External Defibrillator (AED) locations.
- Presents user-supplied profiles in the same interface with mapping and display of landline, VoIP, and wireless 9-1-1 calls.

APX NEXT SmartLocate Integration

The APX NEXT SmartLocate feature provides dispatchers with accurate location data over a broadband network. This location data, combined with CommandCentral Aware functionality, enables better tracking of field personnel and improved situational awareness. SmartLocate quickly sends GPS coordinate updates and location information from the field to dispatchers, providing a more effective operating picture of any situation. This gives dispatchers a greater ability to manage incidents and allocate resources in the most efficient way possible. Broadband connectivity increases the frequency of location reporting beyond the capability of an LMR system. This improves location accuracy and enables more users to be tracked. The CommandCentral Aware tool set features many location triggers, including time, distance, push-to-talk (PTT), emergency, and accelerated cadence during emergency.

3.8.4.1 Motorola 911 Mapping Integration

CommandCentral Aware integrates with Motorola Solutions CAD and 911 call data. The CommandCentral Aware application shows key caller events, such as 911 ringing, connects, and disconnects, alongside location updates to monitor the status of wireless callers. This provides essential information to assist personnel responding to an incident. In addition, a view of a call-based heat map helps PSAP resources understand where the volume of calls is coming from and improve the decision making process.

- Authenticates 9-1-1 calls for Hybrid Enhanced Location information.
- Maps Text-to-9-1-1 calls.
- Displays links to building footprints and Automated External Defibrillator (AED) locations.
- Presents user-supplied profiles in the same interface with mapping and display of landline, VoIP, and wireless 9-1-1 calls.

3.8.4.2 AccuWeather Integration

CommandCentral Aware includes integration with AccuWeather. This integration provides customized weather-driven services. Services include site-specific forecasts, severe-weather warnings, historical data, and custom analytics. AccuWeather also provides the following data:

- Location key for your desired location.
- Forecast information for a specific location.

- Current Conditions data for a specific location.
- Daily index values for a specific location. Index availability varies by location.
- Radar and satellite images.

3.8.4.3 Rave Panic Button Integration

Rave Panic Button, a Communication and Response Program, provides a mobile panic button that places a voice call to 9-1-1 while immediately sending a notification to key stakeholders of the location type of incident. Rave Panic Button delivers critical response data to 9-1-1 and first responders, giving them tools for a faster, more coordinated response. Additionally, the Communication and Response Program provides capabilities through the platform that allow for non-emergency communication and status checks. This program is available for iOS as well as Android devices.

CommandCentral Aware integrates with Rave Panic Button. When a panic alert is initiated in Rave, the alert will be mapped in CommandCentral Aware and populated into the event monitor. Users can access critical details submitted by the user, including incident type and multimedia attachments.

3.8.5 Video Management System Component Descriptions

As part of CommandCentral Aware, the Video View module consumes video content from a variety of Video Management Systems (live and recorded, fixed and mobile). Each VMS offers a variety of tools via an SDK. These tools can include, but are not limited to, location, user-controlled Pan Tilt Zoom (PTZ), Digital Zoom, Image Capture, Video rewind and export clip, and historic search of recorded video. These features improve productivity and increase responder safety.

The Video View module can also consume video analytics of automated license plate recognition and object detection. These capabilities refine video feeds to accurately assess detail that the eye may not see, further enhancing the users experience within CommandCentral Aware. Component configuration within CommandCentral Aware allows for specific use case definition expanding automated intelligence into the application via:

- Workflow Configuration – Associate related data from different systems to get a comprehensive view of an incident or threat. Display nearby video sources based on CAD incident, sensor alarms, and provided third-party data alerts.
- Real-Time Video Streaming – Patrol the community or view an event in seconds by accessing up to 16 cameras simultaneously from video feeds via VMS. Users can reference the video source, date, time, and location, as well as customize camera groups for quicker access to particular locations.
- Camera Field of View – Define FOV and view on the map display. Users can toggle cameras off and on that may or may not be pointed in the direction of the incident.
- Video Camera Audit Log – Capture user interactions and record them in a log.

Table 3-4: Supported Video Capabilities within CommandCentral Aware

Feature	Description
Camera Import	Importing cameras and the directory tree from VMS to CommandCentral Aware.
Camera Location	Use coordinates stored in-camera custom fields at the NVR (or) pulls geo-location coordinates from the camera units. Specifically identified during installation.

Feature	Description
PTZ	Control of pan, tilt, and zoom (PTZ) functions on capable camera units that have been imported into CommandCentral Aware.
PTZ Presets	PTZ cameras predefined pan, tilt, zoom values are applied to live feed.
PTZ Tours	PTZ cameras execute a scan of its vicinity.
Live Video	Direct feed from the camera as provisioned in the VMS system.
Recorded Video	Playback video from the archive.
Live Snapshots	Perform a screen capture of the live scene to send as an attachment via messaging service.
Recorded Snapshots	Isolate and capture a section of the recorded video to be distributed by the messaging service.
Recorded Fast Forward	Display frame recorded sample at a faster rate playing forward.
Record Fact Backward	Display frame recorded sample at a faster rate playing backward.
Digital Zoom	Magnifies a selected area for live and recorded video.
Video Export	Ability to prepare a video clipping for export to messaging or evidence collection.
Bookmark	On Live View and Recorded Playback, the bookmark automatically captures the camera information, the date, and time stamps for the video, and enables you to input the bookmark author, a name for the bookmark, and an optional description, plus an associated incident identifier. Bookmark fields can be edited later, except for the date, time, and author fields.

Avigilon Control Center (ACC) & Video Analytics

The Avigilon Control Center (ACC) uses self-learning analytics to provide effective monitoring and proactive, real-time response for security personnel. ACC combines an intuitive interface with advanced artificial intelligence (AI) search technology for a full-featured integration with CommandCentral Aware. Avigilon offers analytics embedded in Avigilon cameras up to 5K (16 MP) resolution.

This ACC integration includes the following:

- **Advanced Pattern-Based Analytics** – Avigilon advanced video pattern detection technology accurately recognizes the movements of people and vehicles while ignoring motion not relevant to a scene. The system's self-learning ability reduces false positives and helps make alerts more meaningful.
- **Teach-by-Example Technology** – Avigilon teach-by-example object classifier technology allows users to provide feedback about the accuracy of alarm events generated by Avigilon devices. Rather than decreasing analytics sensitivity to reduce false alarms, the feedback trains devices to improve the accuracy of the analytics used to determine which alarms are real and which are false. This impacts a low false-positive alarm rate. Over time, the system learns the scene and is able to prioritize important events based on user feedback. This increases sensitivity to conditions that are of concern while reducing false alarms to keep the focus on what matters.

- **Avigilon Video Analytics Alerts Integration** – Avigilon ACC allow video analytics to send alerts to CommandCentral Aware. These analytics include object detection, motion detection, path crossed, and directional pattern changes.

The ACC rules engine enables users to selectively apply analytics-based events as alarms and rule triggers. These rules offer immediate notifications for suspicious activities to help CommandCentral Aware users monitor and respond more efficiently.

Avigilon to CommandCentral Aware integrates the results of the rules engine combined with video from the Avigilon VMS. The targeted video feed is displayed in response to user interaction and pre-defined scenarios based on a customizable rule set. Users can configure specific categories of events, such as CAD incidents, LPR alarms, or other alert reporting systems integrated into CommandCentral Aware, in relation to analytics to trigger video feeds. These real-time events and forensic capabilities detect and notify scene changes, missing objects, and rules violations. In addition to the live video and analytics, the connector supplies operator's video display tools that control pan, tilt, zoom (PTZ) cameras, and playback of recorded video.

The following is a complete list of Avigilon Control Center (ACC) video analytics features for object detection and classification for live or forensic events that enhance the common operating picture and situational awareness capabilities of CommandCentral Aware.

Table 3-5: Avigilon Control Center Video Analytics

Avigilon Analytics Rules for ACC	Analytics Rules Description (Objects are Classified as Person or Vehicle)
Objects in Area	The event is triggered when the selected object type moves into a specified region of interest.
Object Loitering	The event is triggered when the selected object type stays within a specified region of interest for an extended amount of time which is configured.
Objects Crossing Beam	The event is triggered when an Object or a specified number of Objects have crossed the directional beam that has been configured over the camera's field of view. The beam can be unidirectional or bidirectional.
Object Appears or Enters Area	The event is triggered by each object that enters the specified region of interest.
Object Not Present in Area	The event is triggered when no objects are present in the specified region of interest.
Objects Enter Area	The event is triggered when the specified number of objects have entered the specified region of interest.
Objects Leave Area	The event is triggered when the specified number of objects has left a specified region of interest region of interest.
Object Stops In Area	The event is triggered when an object in a specified region of interest stops moving for the specified threshold time.
Direction violated	The event is triggered when an object moves in the prohibited direction of travel.
Camera tampering	The event is triggered due to sudden scene changes.
License Plate Recognition Analytics	New license plate recognition analytics engine with highly-accurate license plate capture, identification, and search for fast event response. Use watch lists to create alerts and actions when a license plate match is detected.

3.8.6 CommandCentral Aware Technical Discovery Requirements

In order to prevent delay in the implementation, Customer must provide the information required in the table below at the time of Project Kickoff for each interface/integrated system.

Table 3-6: Aware Technical Discovery Requirements

	Customer Provided	Motorola Confirmed
Additional Information for Virtual Machine (VM) Access		
Remote access to Cloud Anchor Server		
Data Interface VM requirements		
Video Interface VM requirements		
Interfaces (Required for each Interface)		
Manufacturer and Current Software Version		
Confirm API/SDK Availability		
Provide IP Addresses		
Provide Data format		
Provide Data Frequency (Peak & average events & content)		
Provide Operational aspects (data latency, key fields/information, # inputs)		
Data path factors (bandwidth, NAT, latency, jitter)		
Additional VMS Interface Requirements		
Number of Cameras connected to each VMS		
VMS Archive and Archiver to Aware Client		
Provide GPS Coordinates for each camera		
Integration		
Customer IP Network layout (Traffic segmentation, NAT required?)		
Active Directory and Email policies		
Customer Third-Party IP Network Connections (Schools, Fire, Traffic)		
Remote Access Policy/Procedures		
Who owns/maintains each Customer network/firewalls?		
Additional Information Required for Integration with CAD & ALPR Systems		
Data delivery latency rate		
Data interface type		
Fileshare/Dump		
Webservices		

	Customer Provided	Motorola Confirmed
SOAP/REST		
SQL Extraction		
Database IP Address, Login Credentials, DB Version		
Data volume (calls per service, peak event rates)		
Data Fields		
CAD event Geolocation data availability		
AVL/ARL data available?		
Event Types		
Icons		
Others(?)		
Additional Information Required for Integration with Streaming Servers		
Mobile data terminal types:		
Manufacturer		
OS version		
Wireless Access		
VPN Connectivity to Core?		
Validate Data Ingestion (may require system expansion**)		

3.8.7 Hardware Environment and Network Requirements

Motorola Solutions will work with the Customer IT personnel to verify that connectivity meets requirements. The Customer will provide the network components.

Table 3-7: Cloud Anchor Server Installation Requirements

Installation Requirements
One rack unit per Cloud Anchor server.
Two circuits to distribute power to the server rack (dual power supplies).
UPS (Uninterruptible Power Supply) at the site where the Cloud Anchor server and CommandCentral Aware workstations will be installed.
Customer provided Internet access and Remote Access Capability
Minimum 1.1Mbps between Cloud Anchor Server and CommandCentral Aware platform

Table 3-8: CommandCentral Aware Network Requirements

Component	Description
IP Address	Four static IP addresses, corresponding subnet masks/default gateway, and available NTP and DNS IP to the Cloud Anchor Server.

Component	Description
Network Port	One network port for each VMS server. One network port for each VMS analytics appliance.
Network	Customer provided Internet access and Remote Access Capability
Minimum bandwidth	1.1Mbps between Cloud Anchor Server and CommandCentral Aware platform

Table 3-9: CommandCentral Aware Recommended Workstation Specifications

Component	Description
Processor	Intel Xeon 6136 @3.0 GHz (12 cores).
RAM Memory	32 GB or more memory
Drive	One NVMe 512G SSD.
Operating System	Windows 10 Professional
Network Interface Card	1 Gb port
Graphics Card	NVIDIA Quadro P2000
Display	Narrow Bezel IPS Display, 2560x1440 resolution
Monitor	27" monitor or larger

Low latency is critical for real-time operations. The speed with which data appears on the CommandCentral Aware display depends in large part on how quickly the information is presented to the CommandCentral Aware interface. Major contributors to the latency are network delays and the delay time from occurrence of an event to when that event information is presented to Aware from the source application (CAD, AVL, ALPR). Although CommandCentral Aware strives to provide near-real-time performance, Motorola Solutions provides no guarantees as to the speed with which an event (or video stream) appears in the application once the event is triggered.

CommandCentral Aware Design Limitations

- A maximum of 3,000 icons viewed on the CommandCentral Aware client at one time, per instance.
- A maximum of 100 updates per second on the CommandCentral Aware client.
- A maximum of 5,000 radios supported per server.
- A maximum of 20,000 total fixed cameras can be supported per CommandCentral Aware instance.

3.8.8 CJIS and Compliance

At Motorola Solutions, we believe compliance is a team effort. As our customers' partner in compliance, we employ privacy and security protocols that enable our customers to comply with the most stringent legal and regulatory requirements. In addition, we build on a strong foundation with an Azure architecture designed and managed to meet a broad set of international compliance standards, as well as region-specific and industry-specific standards.

Motorola Solutions employs rigorous third-party audits to verify its adherence to security controls and standards. To demonstrate Motorola Solutions safeguarding of customer data, comprehensive third-party audits of primary Software Enterprise development and support operations have been completed and those operations have achieved ISO/IEC 27001:2013 (information security management systems) certification and AICPA SOC2 Type 2 reports are available. ISO/IEC 27017:2015 (information security controls for cloud services), ISO/IEC 27018:2019 (protection of personal information in public clouds) and ISO/IEC 27701:2019 (privacy information management) are available. Supplemental SOC2 Type 2 reports and ISO/IEC 27001:2013 certifications for the development and support operations at satellite locations are completed.

Motorola Solutions understands our customers' critical need to safeguard the lifecycle of Criminal Justice Information. To support that need, Motorola Solutions designs its products and services to support compliance with the FBI's Criminal Justice Information Services (CJIS) Security Policy and we commit to the terms of the CJIS Security Addendum. With a dedicated team of CJIS compliance professionals, we assist our customers through administering and coordinating CJIS-compliant personnel credentialing, providing documentation assistance in connection with CJIS audits, and advising on how to configure and implement our solutions in a manner consistent with the CJIS Security Policy.

Section 4

Statement of Work

4.1 Flex Statement of Work

4.1.1 Introduction

In accordance with the terms and conditions of the Agreement, this Statement of Work (SOW) defines the principal activities and responsibilities of all parties for the delivery of the Motorola Solutions, Inc. (Motorola) system as presented in this offer to Huntington Park PD (hereinafter referred to as Customer). When assigning responsibilities, the phrase “Motorola” includes our subcontractors and third-party partners.

Deviations and changes to this SOW are subject to mutual agreement between Motorola and the Huntington Park PD will be addressed in accordance with the change provisions of the Agreement.

Unless specifically stated, Motorola work will be performed remotely. Huntington Park PD will provide Motorola resources with unrestricted direct system access to enable Motorola to fulfill its delivery obligations.

Motorola and the City of Huntington Park will work to complete their respective responsibilities in accordance with the mutually agreed upon Project Schedule. Any changes to the Project Schedule will be mutually agreed upon via the change provision of the Agreement.

The number and type of software or subscription licenses, products, or services provided by Motorola or its subcontractors are specifically listed in the Agreement and any reference within this document as well as subcontractors’ SOWs (if applicable) does not imply or convey a software or subscription license or service that are not explicitly listed in the Agreement.

4.1.2 Award, Administration, and Project Initiation

Project Initiation and Planning will begin following execution of the Agreement between Motorola and the City of Huntington Park.

Following the conclusion of the Project Planning Session, the Motorola Project Manager will conduct twice monthly one-hour remote status meetings with the City of Huntington Park Project Manager for the purpose of baselining progress of current activities and the planning of future activities. Following the conclusion of the Contract Design Review, the Motorola Project Manager will prepare and submit monthly status reports to the City of Huntington Park Project Manager. Monthly Status Reports provide a summary of the activities completed in the month, those activities planned for the following month, project progress against the project schedule, items of concern requiring attention, as well as potential project risks and agreed upon mitigation actions.

Motorola utilizes Google Meet as its teleconference tool. If City of Huntington Park desires a different teleconference tool, it may provide a mutually agreeable alternate tool at City’s expense.

4.1.3 Project Terms

The following terms are used in this document. Since these terms may be used differently in other settings, these definitions are provided for clarity.

Project Schedule means the schedule providing dates and timeframes for completion of tasks and deliverables during the course of the project. The Project Schedule is subject to change at the mutual agreement of Motorola and the City of Huntington Park.

Project Management Plan is composed of the Communications Management Plan, Risk Management Plan, and Change Management Plan that provide the criteria for managing those tasks within the project.

4.1.4 Aerial Imagery

The Motorola Flex product possesses the capability of including orthophotographic imagery (sometimes referred to as aerial imagery) when published as an ArcGIS Server map service. Motorola will demonstrate how a map service URL can be added to the Flex mapping configuration for use in the CAD and Mobile map display. The City is responsible for map service creation and publishing.

Motorola is not responsible for acquiring, processing, ortho-correcting, or distributing the imagery or the data contained therein. It is the sole responsibility of the City of Huntington Park to maintain this data and to work with the air photo vendor to make any changes or corrections. City of Huntington Park may obtain Esri guidance on map service uses and functionality on the Esri website (Go to <https://enterprise.arcgis.com>, search ArcGIS Server, go to current release version and reference “What is a map service?” for service explanation and publishing guidance.)

Publishing of map services including imagery on the dedicated Flex GIS server is only permissible when publishing as a dynamic map service. Publishing of map services using tile caching is not supported on the dedicated Flex GIS server. If the City chooses to use map services with tile caching, a separate standalone GIS server (virtual or physical) will need to be provided and installed by the City.* Motorola does not provide for deployment or support assistance of map services including imagery beyond demonstrating how to add the map service URL in the Flex mapping configuration page.

*Additional GIS server machines must have ArcGIS Server Standard installed and licensed. License(s) for ArcGIS applications are the sole responsibility of the City of Huntington. ArcGIS Server Standard (OEM) is only for use on the dedicated Flex GIS server, Motorola and Esri licensing agreements do not permit the use of the Motorola sourced ArcGIS Server Standard license to be authorized on any other machine than the dedicated Flex GIS server and disaster recovery server (when purchased through Motorola).

4.1.5 Completion Criteria

Motorola Integration Services are considered complete upon Motorola performing the last task listed in a series of responsibilities or as specifically stated in Completion Criteria. City of Huntington task completion will occur per the project schedule enabling Motorola to complete its tasks without delay.

City of Huntington will provide Motorola written notification that it does not accept the completion of Motorola responsibilities or rejects a Motorola service deliverable within five (5) business days of completion or receipt of a deliverable.

The Service Completion will be acknowledged in accordance with the terms of Master Customer Agreement and the Service Completion Date will be memorialized by Motorola and the City. Software

System Completion will be in accordance with the terms of the Software Products Addendum unless otherwise stated in this Statement of Work.

4.1.5.1 Subscription Service Period

If the contracted system includes a subscription-based solution; the subscription service period will begin upon the City's receipt of credentials required for access unless mutually agreed otherwise by project change order. City of Huntington Park will not unreasonably delay beneficial use. In any event, absent a written notice of non-acceptance, beneficial use will be deemed to have occurred thirty (30) days after functional demonstration of the product.

4.1.6 Project Roles and Responsibilities Overview

4.1.6.1 Motorola Project Roles and Responsibilities

A Motorola team, made up of specialized personnel, will be assigned to the project under the direction of the Motorola Project Manager. Team members will be multidisciplinary and may fill more than one role. Team members will be engaged in different phases of the project as necessary.

In order to maximize efficiencies Motorola's project team will provide services remotely via teleconference, web-conference, or other remote method in fulfilling its commitments as outlined in this Statement of Work. Motorola project team resources will be onsite at the City location as noted in this Statement of Work.

The personnel role descriptions noted below provide an overview of typical project team members. One or many resources of the same type may be engaged as needed throughout the project. There may be other personnel engaged in the project under the direction of the Project Manager.

Motorola's project management approach has been developed and refined based on lessons learned in the execution of hundreds of system implementations. Using experienced and dedicated people, industry-leading processes, and integrated software tools for effective project execution and control, we have developed and refined practices that support the design, production, and testing required to deliver a high quality, feature-rich system.

Motorola Project Manager

A Motorola Project Manager will be assigned as the principal business representative and point of contact for the organization. The Project Manager's responsibilities include:

- Manage the Motorola responsibilities related to the delivery of the project.
- Maintain the project schedule and manage the assigned Motorola personnel and applicable subcontractors/supplier resources.
- Manage the Change Order process per the Agreement.
- Maintain project communications with the City.
- Identify and manage project risks.
- Collaborative coordination of the City resources to minimize and avoid project delays.
- Measure, evaluate, and report the project status against the Project Schedule.
- Conduct remote status meetings on mutually agreed dates to discuss project status.

- Prepare and submit a monthly status report that identifies the activities of the previous month, as well as activities planned for the current month, including an updated Project Schedule and action item log.
- Provide timely responses to issues related to project progress.

Application Specialist

The Motorola resource will work with the City of Huntington Park project team with system provisioning. The Application Specialist's responsibilities will include:

- Provide provisioning training and guidance to the City to set up, operate, and maintain the system.
- Provide support during the transition to live use operations of the Flex system.

Flex Training Specialist

The Flex Training Specialist provides instruction on the Flex software application. The Flex Training Specialist responsibilities include:

- Teaching and instructing agency end users and staff on the use and operating methods of Flex software products and services.
- Conducting onsite and/or virtual training of Motorola Flex software modules.
- Presenting training using a variety of classroom training methods, including lecture, online projection, live demonstration, etc.
- Maintaining communication with the Project Manager, Application Specialist, and agency contact(s) related to the training plan.

Solution Specialist

The Solution Specialist is responsible for influencing and driving optimal outcomes of the software solution. Specific responsibilities include the following:

- Consulting with The City on objectives and guiding best practice adoption.
- Driving early engagement of key project stakeholders to understand end-to-end workflows affecting outcomes.
- Providing training expertise that addresses The City's unique needs, objectives, and requirements.

GIS Specialist

The Motorola GIS Specialist specializes in geographical information technology. Responsibilities of the Motorola GIS Specialist include the following:

- Perform the GIS analysis on the City-supplied GIS source data.
- Provide the results of the GIS analysis based on the requirements of the Motorola GIS Build Requirements document to include:
 - Geocoding Data.
 - Centerlines to support Routing.
 - Response Area Polygons.
- Offer consultation services for the conversion of The City GIS source data for Motorola use.
- Provide instruction on the use of GIS as it pertains to the Motorola system.

Solutions Architect

The Solutions Architect is responsible for the delivery of the technical and equipment elements of the solution. Specific responsibilities include:

- Confirmation that the delivered technical elements meet contracted requirements.
- The delivery of interfaces and integrations between Motorola products.
- Remain engaged throughout the duration of the delivery.

Customer Success Advocate

A Customer Success Advocate will be assigned to the City of Huntington Park post Go-Live event. By being the City's trusted advisor, the Customer Success Advocate's responsibilities include:

- Assist the Huntington Park PD- Flex CAD/RMS and JMS with maximizing the use of their Motorola software and service investment.
- Actively manage, escalate, and log issues with Support, Product Management, and Sales.
- Provide ongoing customer communication about progress, timelines, and next steps.

Customer Support Services Team

The Customer Support Services team will provide ongoing support following commencement of beneficial use of the City of Huntington Park's System(s) as defined in Customer Support Plan.

4.1.6.2 Customer Core Team, Project Roles, and Responsibilities Overview

The success of the project is dependent on early assignment of a Customer Core Team. Motorola has defined the following key resources that are critical to this project and must participate in all the activities further defined in this Statement of Work. During the Project Planning phase, the City of Huntington Park will be required to deliver names and contact information for the below listed roles that will make up the Customer Core Team. In many cases, the City will provide project roles that correspond with Motorola's project roles. It is critical that these resources are empowered to make decisions based on the City's operational and administration needs. The Customer Core Team will be engaged from project initiation through beneficial use of the system. Their continued involvement in the project and use of the system will convey the required knowledge to maintain the system post-completion of the project and drive change and user adoption. In some cases, one person may fill multiple project roles. The Customer Core Team must be committed to participate in activities for a successful implementation. In the event the City is unable to provide the roles identified in this section Motorola may be able to supplement the City and Aware resources at an additional price.

Project Manager

The Project Manager will act as the primary City of Huntington's point of contact for the duration of the project. The Project Manager is responsible for management of any third-party vendors that are the City's subcontractors. In the event the project involves multiple agencies, Motorola will work exclusively with a single Huntington Park PD-assigned Project Manager (the primary Project Manager). The Project Manager's responsibilities include:

- Communicate and coordinate with other project participants.
- Manage the City project team including timely facilitation of efforts, tasks, and activities.
- Maintain project communications with the Motorola Project Manager.

- Identify the efforts required of the City staff to meet the task requirements and milestones in this SOW and Project Schedule.
- Consolidate all project-related questions and queries from the City staff to present to the Motorola Project Manager.
- Review the Project Schedule with the Motorola Project Manager and finalize the detailed tasks, task dates, and responsibilities.
- Measure and evaluate progress against the Project Schedule.
- Monitor the project to ensure resources are available as scheduled.
- Attend status meetings.
- Provide timely responses to issues related to project progress.
- Liaise and coordinate with other agencies, the City vendors, contractors, and common carriers.
- Review and administer change control procedures, hardware and software certification, and all related project tasks required to maintain the Project Schedule.
- Ensure the City vendors' adherence to overall Project Schedule and Project Plan.
- Assign one or more personnel who will work with Motorola staff as needed for the duration of the project, including at least one Application Administrator for the system and one or more representative(s) from the IT department.
- Identify the resource with authority to formally acknowledge and approve Change Orders, approval letter(s), and milestone recognition certificates, as well as approve and release payments in a timely manner.
- Provide building access to Motorola personnel to all the City facilities where system equipment is to be installed during the project. Temporary identification cards are to be issued to Motorola personnel if required for access to facilities.
- Ensure remote network connectivity and access to Motorola resources.
- As applicable to this project, assume responsibility for all fees for licenses and inspections and for any delays associated with inspections due to required permits.
- Provide reasonable care to prevent equipment exposure to contaminants that cause damage to the equipment or interruption of service.
- Ensure a safe work environment for Motorola personnel.
- Provide signatures of Motorola-provided milestone certifications and Change Orders within five (5) business days of receipt.

System Administrator

The System Administrator manages the technical efforts and ongoing tasks and activities of their system as defined in the Customer Support Plan (CSP).

System Application Administrator (SAA)

The Application Administrator(s) manage the City of Huntington Park-owned provisioning maintenance and City of Huntington Park code tables required to enable and maintain system operation. The Application Administrator's involvement will start at the Business Process Review (BPR) stage of the project. They will attend provisioning and training events and remain engaged throughout the project to ensure they are able to maintain the provisioning cost the City Provisioning handoff. For solutions that

consist of multiple Motorola products (e.g. CAD and Records) the City may elect to have multiple Application Administrators. The Application Administrator's responsibilities include:

- Participate in overall delivery and training activities to understand the software, interfaces, and functionality of the system.
- Participate with the SMEs during the BPR, provisioning process, and training.
- Authorize global provisioning choices and decisions, and be the point(s) of contact for reporting and verifying problems and maintaining provisioning.
- Obtain inputs from other user agency stakeholders related to business processes and provisioning.

GIS Administrator

The GIS Administrator is responsible for the development and maintenance of all the GIS data used in the Motorola system. The GIS Administrator must have a working knowledge of Esri software including ArcDesktop and ArcPro. Administrator proficiency with model builder, toolbox tools, Network Analyst, and general database structures is key to the GIS Administrators ability to manage the GIS needs of the Motorola system. Duties for this resource include: providing data in the correct schema; developing, maintaining and updating GIS data; support the GIS elements used in Motorola software; keep in regular communication with the other administrative resources.

Subject Matter Experts

The Subject Matter Experts (SME) are the core group of users involved with the Business Process Review (BPR) and analysis, the provisioning process, including making global provisioning choices and decisions, and training. These members should be experienced users in the working area(s) they represent, i.e. dispatch, patrol, etc., and should be empowered to make decisions related to provisioning elements, workflows, and screen layouts.

IT Personnel

IT personnel provide required information related to LAN, WAN, wireless networks, server, and client infrastructure. They must also be familiar with connectivity to internal, external, and third-party systems to which the Motorola system will interface.

Training Representative

Training representatives will be the point of contact for the Motorola Application Specialist when policy and procedural questions arise. They will act as course facilitators and are the City's training monitors.

Additional Resources

Additional resources, such as trainers and database administrators, may also be required.

User Agency Stakeholders

User Agency Stakeholders, if the system is deployed in a multi-agency environment, are those resources representing agencies outside of the City's agency. These resources will provide provisioning inputs to the Customer Core Team if operations for these agencies differ from that of the City. The City will manage User Agency Stakeholder involvement, as needed, to fulfill City responsibilities.

4.1.6.3 General City of Huntington Park Responsibilities

In addition to the City of Huntington Park Responsibilities stated elsewhere in this SOW, the City is responsible for:

- All City-provided equipment including hardware and third-party software necessary for delivery of the System not specifically listed as a Motorola deliverable. This will include end user workstations, network equipment, telephone, or TDD equipment and the like.
- Configuration, maintenance, testing, and supporting the third-party systems the City operates which will be interfaced to as part of this project. For those third-party systems, the City is responsible for providing Application Programming Interface (API) documentation that details the integration process for the level of interface integration defined by Motorola.
- Initiate, coordinate, and facilitate communication between Motorola and City's third-party vendors as required to enable Motorola to perform its duties.
- Active participation of Customer Core Team in project delivery meetings and working sessions during the course of the project. Customer Core Team will possess requisite knowledge of City operations and legacy system(s) and possess skills and abilities to operate and manage the system.
- Provision City code tables, following CAD Admin Training.
- Provisioning of GIS data as requested by Motorola. This information must be provided in a timely manner in accordance with the Project Schedule.
- Electronic versions of any documentation associated with the business processes identified.
- Providing a facility with the required computer and audio-visual equipment for training and work sessions.
- Ability to participate in remote project meeting sessions using Google Meet or a mutually agreeable, City-provided, alternate remote conferencing solution.
- Allow Motorola remote access (24-hour access to a secured two-way Internet connection to the Motorola system firewalls for the purposes of deployment, maintenance, and monitoring).

4.1.7 Project Planning and Initiation

A clear understanding of the needs and expectations of both Motorola and the City of Huntington Park are critical to fostering a collaborative environment of trust and mutual respect. Project Planning requires the gathering of project-specific information in order to set clear project expectations and guidelines, create the Project Management Plan and project schedule, and set the foundation for a successful implementation. Examples of information gathered include the Business Process Review Agency Pre-Kickoff Survey (a Google survey that is sent to the City to collect agency-specific information, such as dispatch logistics, communication center information, operational process, and workflow). These documents are collated into a single Team Project Sync (TPS) packet that will be delivered by the Motorola PM prior to the start of the Project Planning Session.

4.1.7.1 Project Planning Session - Teleconference/Web Meeting

A Project Planning Session teleconference will be scheduled after the Agreement has been executed. The Project Planning Session is an opportunity for both the Motorola and City PM's to meet prior to the

formal Project Kickoff meeting and review key elements of the project as well as expectations of each other. The agenda typically includes:

- A high level review of the following project elements:
 - The Agreement documents.
 - A summary of the contracted applications, query(ies) and interface(s), and bill of materials.
 - Project delivery requirements as described in this SOW.
 - Which tasks will be conducted by onsite Motorola resources as well as the activities when the Motorola Project Manager will be onsite.
 - City involvement in provisioning to confirm understanding of the scope and required time commitments.
 - The high level Project Schedule milestones and dates.
 - The Project Management Plan structure.
- Confirm CJIS background investigations and fingerprint requirements for Motorola employees and/or contractors. Required fingerprints will be submitted on Motorola provided FBI FD-258 Fingerprint cards.
- Review CommandCentral Admin and Learning eXperience Portal (LXP) roles in the Project Plan and provide City User Name and Access Information.
- Discuss Motorola remote access requirements (24-hour access to a secured two-way Internet connection to the Motorola system firewalls for the purposes of deployment, maintenance, and monitoring).
- Discuss City obligation to manage change among the stakeholder and user communities.
- Review the Team Project Sync (TPS) packet. The information in this packet is used to prepare for the Project Kickoff Meeting and Business Process Review.
- Review Software System completion criteria and the process for transitioning to support.

Note - Completing the TPS is a critical Project Task. Delayed, incomplete, or inaccurate information or lack of participation will have a significant impact on the Project Schedule.

Motorola Responsibilities

- Schedule the remote Project Planning Session.
- Request the assignment and attendance of Core Team and any additional City resources that are instrumental in the project's success, as needed.
- Provide the initial Project Schedule and Project Management Plan.
- Confirm City receipt of the TPS packet and GIS Build Requirements Document.
- Conduct a review of the Project Management Plan.
- Baseline the Project Schedule.
- Review Motorola's delivery approach and its reliance on City-provided remote access.
- Document the mutually agreed upon Project Kickoff Meeting Agenda.
- Request user information required to establish City in the Motorola Learning eXperience Portal (LXP).
- Establish the City within the CommandCentral cloud platform enabling CommandCentral as outlined in the Solution Description.

- Provide the City with a web link (URL) to the CommandCentral Admin application on Google Play Store or Apple App Store.

City of Huntington Park Responsibilities

- Confirm with Motorola City GIS Administrator reviews the GIS Build Requirements Document.
- Provide existing GIS source data to Motorola by the start of Project Kickoff and Discovery.
- Identify Customer Core Team and any additional City resources that are instrumental in the project's success, as needed.
- Provide Core Team with TPS; return the completed TPS to Motorola no later than ten (10) business days before start of Project Kickoff Meeting.
- Provide acknowledgement of the mutually agreed upon Project Kickoff Meeting agenda.
- Provide approval to proceed with the Project Kickoff meeting.
- Provide LXP and CommandCentral user information: first name, last name, unique email address, and role.
- Verify City Administrator(s) have access to the LXP and CommandCentral Admin Console.
- Review and complete the Business Process Review Agency Pre-Kickoff Survey within ten (10) business days of the Project Planning Session to avoid impact on the Project Schedule.

Motorola Deliverables

- Project Kickoff Meeting Agenda.
- Project Management Plan.
- Team Project Sync (TPS) packet.

4.1.8 Kickoff and Discovery

4.1.8.1 Project Kickoff Event

The purpose of the remote Project Kickoff Event is to introduce project participants and review the scope of the project. Depending upon the modules purchased, the project kickoff event may vary in duration between one (1) to four (4) hours and may be combined with other activities such as the Business Process Review. The Project Kickoff event consists of various branching activities such as the GIS Discovery session. Branching activities commence following the general kickoff meeting. Availability of City of Huntington Park resources to participate in each branching activity is critical to the project success. Following the conclusion of the Project Kickoff event, the party responsible for procuring the system hardware will place the hardware order.

Motorola Responsibilities

- Schedule and facilitate the Project Kickoff event to clarify roles, responsibilities, establish team working relationships, and initiate project tasks.
- Present a high level overview of project scope.
- Confirm City access to the LXP.
- Review third-party partner solutions and involvement in the project, as applicable.
- Summarize and review the contracted system components.

- Review the initial Project Schedule and incorporate City feedback resulting in the implementation Project Schedule. The Project Schedule will be maintained by Motorola and updated through mutual collaboration. Schedule updates that impact milestones will be addressed via the change provision of the Agreement.
- Provide and review the training plan, training delivery schedule, and training requirements.
- Provide and explain sample data entry standards in preparation of City provisioning activities.
- Review the system hardware requirements and bill of materials if Motorola is providing the system hardware.
- Review network infrastructure requirements (e.g. firewalls, remote access).
- Plan installation activities with the City.
- Discuss the Provisioning Verification process for the contracted modules.
- Review the timing, setup, and configuration requirements to enable queries and query returns (e.g. StateLink).

City of Huntington Park Responsibilities

- Provide a meeting space equipped with remote conferencing capability enabling remote Motorola project team members to participate.
- Identify and ensure participation of key team members in kickoff and project initiation activities.
- Confirm access to the LXP.
- Provide input to the Project Schedule and training dates.
- Participate in reviewing the training plan.
- Participate in reviewing the system hardware requirements and place hardware order if City is providing the system hardware.
- Initiate activities to enable queries and query returns.
- Provide workstation hardware and software for end user training (desktop and or mobile devices).

Motorola Deliverables

- Project Kickoff Meeting Minutes.
- Flex Data Entry Standards Document.

Note - The Project Schedule will be maintained by Motorola and updated through mutual collaboration. Schedule updates that impact milestones will be addressed via the change provision of the Agreement.

4.1.8.2 GIS Discovery Session – Teleconference/Web Meeting

A GIS discovery teleconference session will be scheduled to review the GIS Build Requirements document and complete an overview of the GIS components of the project. The agenda will include:

- Review the Motorola GIS Data Requirements document.
- Discuss City GIS skill-set and responsibilities.
- Review the requirements of the City GIS sample data provided by the City that is required in the Motorola system.
- Discuss any GIS related project questions.

Motorola Responsibilities

- Schedule and conduct the remote GIS Discovery Session.
- Request initial GIS dataset for initial data review.

City of Huntington Park Responsibilities

- Review the GIS Build Requirements document prior to the meeting.
- Discuss any areas of concern relative to GIS and schedule requirements.
- Provide initial GIS dataset for review by Motorola.

Note - Providing the GIS City of Huntington Park Data is a critical Project Task. Delayed, incomplete, or inaccurate information may have a significant impact on the Project Schedule.

4.1.8.3 Interface Planning

The objective of the interface planning teleconference is to discuss the user experience presented by each contracted interface. Topics of discussion will include:

- Reviewing the functionality delivered with each interface.
- Reviewing the deployment requirements and dependencies of each interface (NDA, network information, API, and access credentials required to connect to third-party systems).
- Reviewing the interface delivery and validation process.

Note - The interface deployment requirements (NDA, network information, API, and access credentials) may be required to connect to third-party systems. Particular requirements must be satisfied prior to the deployment of the interfaces. Delayed, incomplete, or inaccurate information may have a significant impact on the Project Schedule.

Motorola is not responsible for third-party vendor management, scheduling, or additional cost for software, customization, development, or testing unless the work is defined in this SOW or amended to the Agreement via a change order.

Motorola Responsibilities

- Discuss the need for additional information such as third-party API, SDKs, data schema, and any internal and third-party documents necessary to establish interfaces.
- Conduct reviews of the interface to explain how each functions as well as any dependency on third-party API, SDKs, data schema, and any internal and third-party documents necessary to establish interfaces with local and remote systems.
- Review the functional interface demonstration process.

City of Huntington Park Responsibilities

- Provide all required third-party API and SDK licensing and documentation for City's existing systems.
- Discuss and collect information on third-party API, SDKs, data schema, and any internal and third-party documents necessary to establish interfaces with all local and remote systems and facilities within ten (10) days of the Project Kickoff Meeting to avoid impact on the Project Schedule.
- Establish network connectivity between the Motorola server(s) and all third-party interface demarcations.

4.1.9 Business Process Review (BPR)

The purpose of the BPR is to review the contracted software with the City of Huntington Park's project team. Unless otherwise noted the remote review will be scheduled over up to three (3) concurrent business days. The Motorola Application Specialist will coordinate the delivery of the BPR. The BPR is a focused discussion regarding related operational policies, workflows, and data entry standards. The City of Huntington Park's policies and current workflow will assist Motorola in consulting with the City on ways in which to optimize system configuration.

The City is responsible for developing data entry standards and policies to ensure users enter data correctly and in conformity with quality assurance expectations. At the BPR, Motorola will provide and explain sample data entry standards as a starting point for the City. The City will need to revise the sample standards to meet its specific needs. Once standards are established, the City will be expected to formalize the policy as standard operating procedure for data entry tasks and share the agency data entry standards with Motorola prior to the start of end user training. Motorola will incorporate the data entry standards into end user training.

Motorola will conduct a single BPR session to review workflow and forms with the City. The City will assemble a group of representatives from the host and user agencies (as applicable) to review existing paper forms and manual reports that may be eliminated, or require modification by the City, as a result of assuming operation of the Motorola system. Additionally, the review session provides Motorola and the City the opportunity to review current operational processes identifying opportunities for the City to streamline or modify processes in order to optimize the functionality of the Motorola system. The BPR session can be conducted during any three (3) consecutive business days Monday through Friday 8:00 a.m. to 5:00 p.m. local City time.

The Huntington Park PD- Flex CAD/RMS and Aware is responsible for engaging and obtaining input from stakeholders that affect provisioning decisions made by the City of Huntington Park.

The BPR agenda includes items such as:

- Business Process Review Survey Responses.
- Overview of the contracted Product.
- Provisioning processes.
- Agency and Discipline Information (Role Type, # of Personnel, shift types).
- User Permissions/Security Groups.
- Interface Field Mapping Provisioning.
- Code Tables.
- Workflows.
- Available Reports.
- Role-based Training Recommendations.
- Additionally for CAD deployments, discuss:
 - Agency data gathering (includes incident types, unit status codes, dispositions, unit IDs, and personnel).
 - Dispatcher/Responder workflow (incident creation to closure).
 - Recommended units and/or Response Plans.
 - Notifications and Status Monitors.

Motorola Responsibilities

- Provide the BPR Agenda/Workbook prior to the meeting.
- Conduct a Product overview demonstration.
- Review the documented business processes and provide configuration options.
- Review the completed BPR Workbook.
- Conduct the BPR session.

City of Huntington Park Responsibilities

- Review the BPR Agenda/Workbook prior to the meeting.
- Schedule applicable resources for remote interview sessions.
- Provide resources knowledgeable in the City's business processes to provide relevant documentation on the workflow and operating procedures.
- Provide required information to complete the BPR, such as personnel information, workflow configuration and agency logo (if desired by City).
- Review the completed BPR Workbook.
- Share the agency data entry standards with Motorola.

Motorola Deliverables

- Completed BPR Workbook.

4.1.10 GIS Services

4.1.10.1 GIS Scope Review

The Motorola GIS Analyst meets remotely with the City's GIS Administrator to discuss the approach to developing the GIS data for use with the Motorola system.

GIS Scope Review topics that will be discussed include:

- **If CAD is a purchase solution component** – Agency Response boundary needs, routing requirements, premise hazard areas and specifics for address validation using street centerlines, common place points, address points, alias tables, and premise hazard areas.
- **If Records is a purchased solution component** – data types necessary for address validation support in the system. These data types include: street centerlines, common place points, address points, street alias tables, and common place alias tables.

The GIS Data Report describes the City's source feature classes and data values that have been made available to Motorola. The data is reviewed and any items identified that may impact the applicable functionality of the data within the Motorola System are noted within the GIS Data Report. The GIS Data Report is delivered post contract after review of the City GIS data. As GIS data is critical to the provisioning and operation of the system, it is imperative that the City GIS Data be made available to Motorola prior to the GIS Scope Review.

Motorola Responsibilities

- Review GIS Draft Data Report.

- Discuss current GIS business practices.
- Discuss GIS data types that are going to be utilized within the Motorola system.
- Discuss GIS updates and contracted frequency.
- Discuss the need for Agency Code and Beat Names being provided to Motorola prior to the GIS Boundaries Workshop.

City of Huntington Park Responsibilities

- Ensure availability of the GIS administrator for this meeting.
- Finalize the agency code and beat names for the geodatabase and provide to Motorola. All of the data will be required but the streets, address points and common places can be works in progress that can be updated as the project progresses.

Motorola Deliverables

- GIS Data Report.

4.1.10.2 GIS Service Delivery

GIS Service delivery provides for the creation of a draft geodatabase that will be uploaded to the CAD server to support provisioning efforts as well as draft maps that are created for use by the CAD workstations. If CAD is not a System component, a GIS Draft Geodatabase is still required as it serves as the supporting data for address validation in Flex Records.

Error reports are produced as a result of developing the draft geodatabase and will be delivered to the City in updates to the GIS Data Report. The City will correct any data errors allowing Motorola to incorporate the data into a revised draft geodatabase.

Geodatabase development provides for up to two (2) iterations of draft databases developed by Motorola. The final geodatabase is created as a product of the GIS Administrator Workshop.

Note the following tasks are supplementary to the tasks required to maintain the data set using Esri ArcGIS toolset. Training specific to the use of Esri ArcGIS tools can be obtained from Esri. Motorola's scope does not include the creation or maintenance of data into the NENA NG911 schema; any NG911 work is out of the scope of this contract. Motorola is not responsible for data errors stemming from the City's source data.

Motorola Responsibilities

- Schedule and initiate a data delivery design teleconference to address critical data errors or to confirm the data being incorporated into the draft geodatabase.
- For Flex CAD: Create the draft visual maps and Routing Network.
- Create the draft geodatabase.
- Provide updates to the GIS Data Report reflecting any issues found during the geodatabase build.
- Provide up to two (2) iterations of draft geodatabases.
- Initiate GIS Administrator Readiness Check which enables Motorola to schedule and conduct the GIS Administrator Workshop.

City of Huntington Park Responsibilities

- Attend data delivery design teleconference.

- Correct any GIS errors identified in the GIS Data Report from geodatabase build.
- Participate in the GIS Administrator Readiness Check and confirm the dates for the GIS Administrator Workshop.

Motorola Deliverables

- GIS Data Report Updates.

4.1.10.3 GIS Administrator Workshop and Review

The GIS Administrator Workshop enables the City to work with the Motorola GIS Specialist to understand the required GIS data structure and maintenance needs of the data in order to support address validation, response determination, routing, and visual map displays. The workshop is conducted via remote teleconference over a period of three (3) consecutive eight (8) hour days during normal business hours. The product of the workshop is the final geofile build and the City assumes responsibility for further GIS updates and maintenance.

Motorola Responsibilities

- Provide City with the workshop agenda.
- Conduct the workshop.
- Document any City and or Motorola GIS action items that require follow up and resolution.
- Discuss additional boundary capabilities and data development needs.
- Document any City and/or Motorola GIS action items that require follow up and resolution.
- Resolve any Motorola follow up action items.
- Schedule the post workshop follow up review and GIS action item close out.
- Within thirty (30) days of the conclusion of the GIS Administrator Workshop conduct a remote two (2) six (6) hour post workshop follow up review to address any remaining GIS process questions and close out any follow up actions noted during the GIS Administrator Workshop work.

City of Huntington Park Responsibilities

- Ensure availability of GIS administrator participation in the workshop.
- Resolve any City of Huntington Park follow up action items.
- Assume responsibility for the update and maintenance of the geofile.
- Participate in the follow up review.

4.1.11 System Delivery

The City of Huntington Park will provide Motorola resources with safe access, suitable office space, supplies, furniture, high-speed connectivity to the Internet, and other facilities while fulfilling the onsite activities specified in this SOW.

4.1.11.1 Hardware Installation

The objective of this activity is to install the system hardware at the City of Huntington Park's site. This activity addresses physical installation activities and system connectivity verification.

City assumes responsibility for the procurement, installation, configuration, troubleshooting, and resolving any issues with City-provided hardware or virtualization environment that prevents Motorola from fulfilling its delivery obligations or impedes system operation.

If Motorola has been contracted to provide the hardware, the contracted hardware will be provided by Motorola's partner, Solutions II. Solutions II may interact directly with the City to coordinate installation activities or communication may be directed by Motorola's Project Manager. This engagement will be a combination of onsite and remote efforts. Remote work performed by Solutions II may require onsite assistance from the City. While installation activities are traditionally completed during City regular business hours, some activities may occur in tight timeframes outside of regular office hours. In such cases work will commence as mutually agreed.

Motorola Responsibilities

If Motorola is contracted to provide hardware, perform each of the following:

- Conduct an evaluation of the installation location to validate installation readiness.
- Procure and install the contracted servers, VMware software, Veeam Backup and Replication software at the primary installation location and if contracted, a single disaster recovery location.
- Configure NAS Backup Targets.
- Load the initial Operating System software.
- Conduct a Power On test to validate the installed hardware and operating system software are ready for configuration.
- Verify contracted software is available and accessible on the installed system.
- If a disaster recovery system has been included as a contracted system component, perform a simulated failover test.
- If Motorola has installed the hardware, provide the City with passwords, passphrases, encryption keys, and IP assignments configured by Motorola.

City of Huntington Park Responsibilities

- Provide power, cabling, network infrastructure and access to all locations in which contracted hardware will be installed.
- Provide an installation environment that conforms to the hardware manufacturers' specifications for heating, cooling, humidity, ventilation, and physical space requirements: clearance and spacing.
- Make any improvements required to support the installation environment inclusive of cabling and power receptacle improvements.
- Develop a password, passphrase, and encryption key management policy for the on-going City management of such as well as a system backup routine and schedule.
- If Motorola has not been contracted to provide the hardware and or virtual machines, City will perform each of the tasks outlined in this section as a Motorola responsibility and conduct power-on tests with Motorola prior to Motorola commencing with software installation and configuration tasks.

4.1.11.2 Install and Configure Software

After the servers have been installed and the operating system and database storage have been configured, Motorola will install the contracted application software product(s) and the Motorola side of

interfaces. The Motorola resource will configure the database environments and create the initial administrative user accounts. City personnel will complete client software installation using the Motorola provided client install wizard; software will be installed on the client workstations/mobile devices to facilitate provisioning training.

Motorola Responsibilities

- Install and configure the contracted application software.
- Install Motorola external interface code.
- Configure database environments (live and practice).
- Create administrative and training user accounts.
- Provide client installer wizard.
- If a disaster recovery solution is a part of the contracted System component, synchronize the primary and disaster recovery systems.

City of Huntington Park Responsibilities

- Provide and install workstation/mobile device hardware in accordance with manufacturer specifications.
- Complete installation of client software on workstations and mobile devices.
- Initiate a network backup to ensure software and initial configuration data are archived.

Motorola Deliverables

- Contracted software.

4.1.11.3 Provisioning

Provisioning includes the setting of configurable parameters (unit names, personnel, status codes) which control application behavior. The Flex system will be provisioned using Motorola standard provisioning parameters and will incorporate City-specific provisioning.

Provisioning activities include instruction of the mechanics and methodologies required to complete system provisioning and provides the City with knowledge needed to update and maintain the provisionable items as City of Huntington Park's operational needs change.

Utilizing the sample data entry standards provided at the project kickoff meeting, the City of Huntington Park will revise the sample standards to meet its specific needs. Once standards are established, the City is expected to formalize the policy as standard operating procedure for data entry tasks. Motorola will incorporate the data entry standards into training. Therefore, the City must complete this task prior to training.

4.1.11.4 Provisioning Verification

Upon completion of provisioning table updates by the City, Motorola will conduct a working session with the City's Administrators and desired SMEs demonstrating system operation in accordance with City determined provisioning parameters (BPR Workbook and Provisioning Worksheets). The purpose of the session is to enable the Huntington Park PD to fine tune provisioning parameters as needed to better align with operational use needs. In this working session, Motorola provides the Huntington Park PD with guidance on provisioning options that may better support the City's operational objectives. In

order to reinforce provisioning training principles, the City completes any provisioning parameter updates with Motorola guidance as desired.

Motorola Responsibilities

- Conduct an operational walk through of the provisioned system enabling the City of Huntington Park to verify the operational behavior of the provisioned system.
- Consult with City on provisioning options that better support the City's business operations.
- Provide guidance on making desired provisioning updates.
- If Insight is available in the state and included as part of this offer as defined on the pricing page, establish Insight Broker connection to target and provide the City with training on creating users.

City of Huntington Park Responsibilities

- Participate in the Provisioning Verification Session.
- Note desired provisioning updates.
- Update provisioning tables, as desired.
- If Insight is available in the state and included as part of this offer as defined on the pricing page, enable Insight Broker users, configure queries and query targets.
- Develop a regular network backup routine and initiate a regular system backup schedule.

NOTE: Provisioning Verification must complete prior to the initiation of End User Training.

4.1.12 Interfaces and Integration

The installation, configuration, and demonstration of interfaces may be an iterative series of activities depending upon access to third-party systems. Interfaces will be installed and configured as reviewed during the Project Kickoff. Integrated functionality between Motorola developed products will be completed through the software installation and provisioning activities described herein. Integration activities that have specific requirements will be completed as outlined in this SOW.

4.1.12.1 Interface Deployment

Connectivity will be established between the Motorola system and the external and/or third-party systems to which the contracted software will interface. Motorola will configure the system to support each contracted interface. The City of Huntington Park is responsible for engaging third-party vendors if and as required to facilitate connectivity and testing of the interfaces.

Motorola Responsibilities

- Establish connectivity to external and third-party systems.
- Configure interfaces to support the functionality described in the System Description and reviewed during the Interface Planning Session.
- Validate each interface can transmit and/or receive data in accordance with the System Description.

City of Huntington Park Responsibilities

- Act as liaison between Motorola and third-party vendors or systems as required to establish interface connectivity with the Motorola system.
- Provide personnel proficient with and authorized to make changes to the network and third-party systems to support Motorola's interface installation efforts.
- Provide network connectivity between Flex and the third-party systems.

Motorola Deliverables

- Contracted Interfaces.

4.1.12.2 Integration Activities

Proprietary processes enable the transfer and receipt of data between Motorola systems.

Motorola Responsibilities

- Establish and validate connectivity between the Motorola systems.
- Validate each system can transmit and/or receive data.
- Enable the Data Exchange API (DEX) and on-board City's third-party vendor via the partner program, if/as contracted.

City of Huntington Park Responsibilities

- Provide personnel proficient with and authorized to make changes to the network and third-party systems to support Motorola's integration efforts.
- Provide network connectivity between the Motorola systems.
- Work with City's third-party vendor to sign up for the partner program. Participation in the Partner program is not included in this offer and is a post contract purchase. If purchased, Motorola will provide the instructions to signup, post, contract if purchased.
- Cover any license fees access to the DEX API or participation in the Advanced Partner Program not included in the contract.

4.1.12.3 Federal National Incident Based Reporting System (NIBRS)

Crime reporting functionality is delivered as part of the software delivery task and is provisioned through the provisioning activities outlined in this SOW. Given the critical nature of crime reporting, the following supplemental tasks are provided for emphasis:

Motorola Responsibilities

- Deliver the NIBRS reporting capability.
- Collaborate with the City to understand any provisioning parameters that may be or are impacting NIBRS submission acceptance in the event of an initial failed submission.
- Delivery Motorola NIBR Training class 503-V.

City of Huntington Park Responsibilities

- Maintain code tables to account for any requirements necessary to be compliant with state specific reporting requirements, changes or additions, as required by the State.

- Initiate a NIBRS submission to the State.
- Resolve any provisioning issues impacting State submission acceptance.

4.1.12.4 Reports

Motorola will deliver the standard reports library and, unless specifically contracted, has not included the effort to develop any City of Huntington Park-specific or Huntington Park PD-defined reports.

4.1.13 System Administration and Training

System administration begins with training designed to enable the City of Huntington Park to perform the data entry required to configure the software Product functionality. Training provides instruction on how to set up, enter, and administer the operational and administrative needs of the system. Following training, the City will be responsible for entering data into the code tables before user training begins.

Prior to the start of user training, the City should have a draft of its data entry standards. During this training, Motorola will work with the City to review and finalize the data entry standards. Following training, the City will be responsible for formalizing policies regarding the data entry standards. This task must be completed before user training begins.

A list of the included instructor led training classes can be found in the Flex Training Bundle Attachment.

Motorola Responsibilities

- Deliver the contracted training courses.
- Deliver training in accordance with the training plan.

City of Huntington Park Responsibilities

- Provide a training environment in accordance with the training plan.
- Assign personnel to participate in training.
- Finalize data entry standards.
- Enter code tables.

4.1.13.1 Motorola Learning eXperience Portal (Online Training)

Training is made available to City of Huntington Park, in part, via Motorola's Software Enterprise Learning eXperience Portal (LXP). This subscription service provides customers with continual access to Motorola's library of online learning content and allows your users the benefit of learning at times convenient to them. Content is added and updated on a regular basis to keep information current. Courses delivered or supplemented by LXP content are described in the training plan.

Motorola Responsibilities

- Configure a City of Huntington Park-specific portal view.
- Create learner path access account to the portal for each user name provided by the City.
- Provide instruction to City LXP Administrator on building groups.

City of Huntington Park Responsibilities

- Provide Motorola with names (first and last) and emails of City LXP administrators.
- Complete LXP Administrator training.
- Advise users of the availability of the LXP.
- Build groups as desired.

4.1.13.2 Instructor-led Training (Onsite and/or Virtual)

Motorola Responsibilities

- Perform training in accordance with the training plan.
- Provide City with training Attendance Rosters and summarize any pertinent observations that may impact end user training.

City Responsibilities

- Supply classrooms with a workstation for the instructor and at one (1) workstation for each student based on the requirements listed in the training plan.
- Designate training representatives who will work with the Motorola trainers in the development and delivery of training.
- Conduct end user training.

Motorola Deliverables

- Electronic versions of User Guides and Training Materials.
- Attendance Rosters.

4.1.14 Product Validation

The system is exercised throughout the delivery of the project by both Motorola and the Huntington Park PD via provisioning and training activities. To solidify Huntington Park PD confidence in the system and prepare for live use operation, Motorola will perform prescribed system validations in accordance with a Product Validation Plan.

4.1.14.1 Mock Go-Live

The objective of this series of tasks is to exercise the system in a way that emulates daily operational use. Motorola leads this effort walking City's selected users through various operational conditions. The City may execute their own tests outside the scope of Motorola's responsibility as desired.

Motorola Responsibilities

- Coordinate the Mock Go-Live session.
- Review the schedule of demonstration activities.

City of Huntington Park Responsibilities

- Select users to participate in the mock Go-Live activities.
- Notify the Motorola Project Manager of any items that require discussion.

- Initiate any desired user testing.

4.1.14.2 Interface Validation

The objective of Interface Validation is to verify that the installed interfaces perform in accordance with the user experience as reviewed during the Interface Planning Session.

Motorola is not responsible for issues arising from lack of engagement of third-party and/or City of Huntington Park resources to perform work required to enable/provision and/or configure an interface to a third-party system, or troubleshooting any issues on the City's third-party systems.

Interfaces that cannot be tested due to connectivity issues to external systems or the unavailability of City's third-party system will be demonstrated to show that Motorola's portion of an interface is enabled to send and/or receive data that supports the user experience. In such cases, Motorola demonstrating the elements within Motorola's control will constitute a successful demonstration and completion of the demonstration task.

Motorola Responsibilities

- Conduct Interface Validation demonstration.
- Develop a Remediation Plan for anomalies that do not align with Motorola's stated user experience.
- Manage the Remediation Plan and take Motorola remediation actions.

City of Huntington Park Responsibilities

- Provide access to a resource with access to the interfacing system to validate functionality.
- Witness the execution of the demonstration and acknowledge successful completion.
- Participate in the documentation of anomalies and work with Motorola to develop remediation action(s).
- Coordinate and manage City remediation actions.

Motorola Deliverable

- Completed Interface Validation Results.
- Remediation Plan (as applicable).

4.1.15 Go-Live

4.1.15.1 Go-Live Planning and Go-Live

Following the conclusion of the mock Go-Live Motorola will provide support of City's efforts with commencing live operation use of the system. Motorola resources are supplemental to City are resources and provide support to Huntington Park PD trainers and subject matter experts. City trainers and subject matter experts are the first line of support to end users in the transition of live operations from the City's legacy system to the Motorola system. Motorola will work with the City to develop a detailed Cutover Plan. This plan includes the following information:

- Motorola and City resources and staffing.
- Pre-cutover tasks/activities to be performed leading up to Go-Live.

- Readiness review meetings.
- Contingency/roll-back plans.
- Go-Live tasks and responsibilities during and after the live cut.
- Post live cut support resources and schedules.
- Issue reporting process.
- Develop the Remediation Plan.
- Escalation process.

Note: The Remediation Plan will identify the remediation action and the action owner (City or Motorola). Remediation steps may involve provisioning modifications, system configuration changes and or software version updates.

Motorola Responsibilities

- Facilitate meetings with City staff to develop and document the Cutover Plan.
- Schedule the Go-Live with City.
- Support City efforts in cutting over to the new system.

City of Huntington Park Responsibilities

- Coordinate the participation of City technical and operational staff in cutover planning and development and documentation of the Cutover Plan.
- Schedule City resources to support Go-Live.
- Communicate the Go-Live transition to the user base.
- Identify Trainers and SME's who will serve as first line support to end users during Go-Live activities.
- Manage Go-Live activities.
- Perform and support the cutover activities defined in the Cutover Plan.

Motorola Deliverable

- Cutover Plan.

4.1.15.2 Go-Live Follow Up

Following the Go-Live schedule a time to review operational use of the system and address any training, process configuration questions or concerns the City has gathered as a result of using the system in a production environment. This onsite three (3) day activity will be conducted Tuesday through Thursday 8:00 to 5:00 PM local City time. The Go-Live follow up is the catalyst for transitioning the City into Motorola Support.

4.1.15.3 Motorola Support Engagement

Motorola will schedule a Support Engagement meeting between the Project Manager, Customer Support Manager (CSM), Focal Support Technician and City's project team representatives. The CSM will review the Customer Support Plan with the City, including the process for obtaining support and contact information.

4.1.15.4 Project Closure – Transition to Support

Following the Go-Live Follow Up Event the service delivery is complete. Motorola and City certify the Software System Completion milestone and the implementation project is formally closed.

The system is transitioned to the support phase of the contract per the terms and conditions of the Maintenance and Support Agreement.

4.1.16 Attachment – Flex Training Bundle

The following instructor led courses are included in the Flex standard training package. The instruction delivery method, on-site at the City's training facility or remotely via web conferencing is noted. Motorola offers in-person on-site, virtual, and Learning eXperience Portal (LXP) training. The LXP provides additional Computer-based courses that are available on demand during the deployment process and for up to 30 days after Go-Live.

- On-Site – In-person training from an on-site instructor conducted at the City's facilities.
- Virtual – Virtual instructor-led training (class will be recorded and made available for future City use).

Table 4-1: Training Course Information

Course Module	Max No. Per Class	Number of Classes Included	Total Users Trained	Method of Instruction	Not To Exceed (hours) per Class
Flex HUB Courses					
Flex System Admin (100-O)	12	1	12	Onsite	24
Flex Hub End User (500-V)	15	2	30	Virtual	4
Flex CAD Courses					
Flex CAD End User (200-O)	12	2	24	Onsite	24
Flex CAD Mapping End User (202-V)	12	1	12	Onsite	2
Flex CAD Admin (101-O)	12	1	12	Onsite	24
Flex Records Courses					
Flex Law/Mobile Admin (102-O)	12	1	12	Onsite	24
Flex Mobile End User with Mobile Forms (302-O)	15	1	15	Onsite	8
Flex Records End User (501-O)	15	2	30	Onsite	4
Flex IBR Admin and End User (503-V)	15	1	15	Virtual	12
Flex Evidence Management & Barcoding (505-V)	15	1	15	Virtual	4
Flex Pin Mapping End User (604-V)	15	1	15	Virtual	2
Flex Personnel End User (605-V)	15	1	15	Virtual	3

A comprehensive training plan with course descriptions is provided post contract or upon request during the sales process.

4.1.17 Flex Data Conversion

Motorola will convert specified legacy data as outlined in the Data Conversion Guide that exists in a single legacy system per Motorola system (Flex CAD, Flex Records, Flex Jail) to conform to the data structure of the Motorola system(s). While Motorola is responsible for converting the specified data, it is critical City assigns a knowledgeable resource to this activity who will remain engaged throughout the conversion process.

The legacy database must be a relational database. Customer will provide Legacy Data in CSV, Excel, or Access database file format if Legacy data is not in MS SQL or Oracle server.

City of Huntington Park must conduct an analysis of their data in the legacy system(s) to identify duplicate data/records, lost data, orphaned records, or records that haven't been linked properly and resolve those issues prior to extracting the data to be converted. Motorola does not provide any data clean up or manipulation of the provided data and conducts a single, one time, bulk load of legacy data.

The legacy data must be sent to a designated Motorola facility to develop and test the conversion routines. If City does not agree to send the data to a Motorola facility, work will stop and Motorola will provide a change order to develop the required environment at City's site, which may incur additional cost. Work will resume upon execution of the change order.

Data conversion routines is executed in three phases:

- Two Validation Test Loads - the first will contain up to one month of representative data; the second will contain up to six months of representative data.
- Bulk Load based on contracted delivery, less the delta agreed upon in phase three.
- Delta Load - the delta of data between end of the bulk load and time of system Go Live. City must stop using their legacy system before this load. This Delta Load will consist of no more than one month of data.

Motorola Responsibilities

- Analyze data files with City to determine which tables contain the specified legacy data and identify truncated, coded, or masked data.
- Conduct an on-site Data Conversion Preparation Workshop to identify where the information will be positioned in Flex and develop documentation (Data Conversion Field Mapping Guide).
- Provide City with the address and recipient information of the Motorola facility City extracted data will be sent to for data conversion processing.
- Develop the conversion routine and execute the initial Validation Test Load representative data set to identify and correct any issues.
- Execute the second Validation Test Load on a representative data set and verify the conversion results with City.
- Perform the Bulk Load in accordance with the Data Conversion Field Mapping Guide and results of Validation Test Loads.
- Perform the Delta Load, which serves as the final data migration after the Live Cut, in accordance with the Project Schedule.

City of Huntington Park Responsibilities

- Conduct an analysis of the data in the legacy system(s) to identify duplicate data/records, lost data, orphaned records, or records that haven't been linked properly and resolve those issues prior to extracting the data to be converted.
- Provide documentation of the legacy database and field mapping information of legacy systems for Motorola's understanding of City's data schema and relation.
- Extract the data to be converted from the legacy databases.
- Engage resources from legacy system vendors, if required, to provide information on legacy database schema.
- Participate in Data Conversion Preparation Workshop.
- Review and approve the Data Conversion Field Mapping Guide within 10 calendar days of receipt.
- Extract and ship legacy data, on a mutually agreed upon medium, to Motorola for conversion processing.
- Provide access to legacy systems from which data will be extracted or execute a Change Order enabling Motorola to provide and configure the required data conversion environment on City's legacy system(s).
- Review data after each Load to verify accuracy, in accordance with the Data Conversion Guide, and notify Motorola within 2 days of any inaccuracies or discrepancies.
- Provide acknowledgement of completion of data conversion.

Motorola Deliverables

- Data Conversion Workshop.
- Data Conversion Field Mapping Guide.
- Converted Data per the Data Conversion Field Mapping Guide in accordance with the Project Schedule.

4.2 ActiveEye Managed Detection & Response for Flex

In accordance with the terms and conditions of the Agreement, this Statement of Work (SOW), including all of its subsections and attachments, defines the principal activities and responsibilities of all parties for the delivery of Motorola Solutions ("Motorola") cybersecurity services as presented in this proposal to City of Huntington Park, CA (hereinafter referred to as "Customer").

4.2.1 Project Deployment

In order to establish initial expectations for deployment, Motorola will work with Customer to help you understand the impact of introducing a new solution and your preparedness for the implementation and support of Flex Managed Detection and Response.

Motorola Responsibilities

- Motorola will schedule a service kick-off meeting with the Customer and provide information-gathering documents to the customer within one week of contract signature. The kick-off meeting will be conducted remotely at the earliest mutually available opportunity.
- Motorola will provide detailed requirements regarding Customer infrastructure preparation actions within one week of the kick-off meeting.
- Motorola will provision tools in accordance with the requirements of this Service, and consistent with information gathered in earlier phases. Motorola will also provide detailed, required Customer deployment actions within one-week of the completion of all infrastructure readiness tasks.

Customer Responsibilities

- The Customer must attend the kick-off meeting and complete information gathering documents as quickly and accurately as possible.
- The Customer must accomplish all infrastructure preparation tasks as quickly as possible.
- The Customer must deploy tools, as applicable, in their environment, in accordance with provided requirements.

4.2.2 ActiveEye Platform

Motorola will provide 24/7 access to the ActiveEye platform. Motorola will notify Customer if access will be affected by scheduled maintenance.

Motorola Responsibilities

- Provide access to the ActiveEye portal for Customer and any identified, approved users. After initial deployment, Customer will have self-service access to add/remove/update user access as needed.
- Provide the services subscribed to, as noted in Table 3-3: Service.
- Make monthly services implementation and status reports available to Customer.
- Resolve platform issues and technical errors as documented by Customer.
- Retain security logs within ActiveEye. Security logs will be retained for the length of time designated by the long-term storage policy selected by Customer.

Customer Responsibilities

- Provide reasonable assistance to Motorola to perform the Service, as described in this SOW. This assistance includes, but is not limited to, technical assistance with issues that may require physical access to the devices affected by this Service, or virtual assistance with virtual environment issues that require administrative access to devices affected by this Service.
- Provide all technical, license, and service information requested in the implementation documents prior to the commencement of the Service.
- Perform all network and system integrations necessary for ActiveEye Service. This includes providing external connectivity for ActiveEye security components.
- Ensure network bandwidth of up to 40MB per host, per day.
- Install agents on in-scope systems and devices, as required.
- Configure all necessary components of Customer's infrastructure to integrate with ActiveEye.
- Provide the name, email, landline telephone numbers, and mobile telephone number for all shipping, installation, and security Points of Contact (POC)s.
- Manage user access to the ActiveEye portal, creating new user accounts when needed and removing a user's access when it is no longer required.

4.2.2.1 Endpoint Detection and Response

Motorola Responsibilities

- Provide ports and protocols to the Customer for the EDR solution.
- Deploy and maintain EDR agents to Flex host environment.
- Configure EDR solution to enable ActiveEye connection for event/alert collection and response actions.

Customer Responsibilities

- Deploy and maintain EDR agents to required customer-owned client workstations and handheld devices, as applicable.
- Configure networking infrastructure to allow EDR agents to communicate with centralized server components.
- Comply/consent with the terms of applicable licenses, privacy statements, or other third-party agreements to the extent third-party software or services are utilized or provided by/through Motorola Solutions, including applicable EDR solution provider's end user license agreements ("EULAs"), if any.
- Obtain any third-party consents required to enable Motorola to provide the monitoring service, if applicable.

4.2.2.2 Technical Support

ActiveEye Managed Detection & Response Technical Support provides Customer with a toll-free telephone number and email address for ActiveEye Managed Detection & Response support requests, available Monday to Friday from 8am to 7pm CST. Support requests are stored in a ticketing system for accountability and reporting.

Motorola Responsibilities

- Notify Customer of any scheduled maintenance or planned outages.
- Provide technical support, security control, and service improvements related to ActiveEye.

Customer Responsibilities

- Provide sufficient information to allow Motorola technical support agents to diagnose and resolve the issue.

Limitations and Exclusions

Technical support is limited to the implementation and use of the ActiveEye platform and does not include use or implementation of third-party components.

4.2.3 Security Operations Center Monitoring and Support

Motorola's Security Operations Center (SOC) will provide continuous 24x7 monitoring through automated tools and review by trained security analysts. Motorola will analyze events and notify Customer in accordance with Table 4-3: Notification Procedures.

Motorola will start monitoring the Service in accordance with Motorola processes and procedures after deployment, as described in Section 4.2.1 Project Deployment.

Customer will be able to open a support request for the SOC via a toll-free telephone number or email address, available 24/7. Support requests are stored in a ticketing system for accountability and reporting.

4.2.3.1 Ongoing Service Responsibilities

Motorola Responsibilities

If a probable security incident is detected, provide phone and email support to:

- Engage Customer's defined Incident Response Process
- Attempt to determine the root cause and extent of compromise using existing monitoring capabilities in place as part of the Service.
- Analysis and support to help Customer determine if Customer's corrective actions are effective.
- Continuous monitoring, in parallel with analysis, to support incident response.

Customer Responsibilities

- Provide Motorola with accurate and up-to-date information, including the name, email, landline telephone numbers, and mobile telephone numbers for all designated, authorized Customer escalation Points of Contact (POC).
- Provide a Network Map detailing Customer's network architecture for network(s) in scope for the Service, if available.
- Provide a timely response to SOC security incident tickets or investigation questions.
- Provide an established service window in which qualified IT personnel will be able to respond to major event escalations.

- Notify Motorola at least twenty-four (24) hours in advance of any scheduled maintenance, network administration activity, or system administration activity that would affect Motorola's ability to perform the Managed SOC Service, as described in this SOW.

4.2.3.2 Service Module Specific SOC Services

With this service, Motorola's SOC will provide specific services for ActiveEye platform service modules Customer is subscribed to. In addition, SOC services can be augmented by Advanced Threat Insights.

The following describe these security operations modules.

4.2.3.2.1 Managed Endpoint Detection and Response

Motorola's SOC will consult with Customer on the deployment of the Endpoint Detection and Response (EDR) solution. The SOC will advise, on an ongoing basis, what security policies should be updated to optimize threat detection.

The SOC will consult with Customer to define a response automation plan that outlines the scenarios where the SOC should take automatic response actions on systems within Customer environment. In cases outside the automatic response scenarios, the SOC will open Security Cases with Customer with recommended actions and await approval before taking actions.

The SOC will track suspicious files and processes in Customer environment to report threat trends on what new threats are being discovered vs. previously seen threats.

Motorola Responsibilities

- Provide recommendations on endpoint security policy and configuration to optimize threat identification.
- Maintain, with input from Customer, an automatic response plan for defined endpoint security scenarios or malware types.

Customer Responsibilities

- Initiate response actions on endpoint solutions when not defined as automatic actions or not available as remote actions on the EDR solution in use.

4.2.3.3 Event Response, Notification, and Tuning

Motorola will analyze events created and/or aggregated by the Service, assess their type, and notify Customer in accordance with the following table.

Table 4-2: Priority Level Definitions and Response Times

Incident Priority	Incident Definition	Response Time
Critical P1	Security incidents that have caused, or are suspected to have caused significant and/or widespread damage to the functionality of the Customer's Flex system or information stored within it. Effort to recover from the incident may be significant. Examples: <ul style="list-style-type: none">▪ Malware that is not quarantined by anti-virus	Response provided 24 hours, 7 days a week, including US Public Holidays.

Incident Priority	Incident Definition	Response Time
	<ul style="list-style-type: none"> Evidence that a monitored component has communicated with suspected malicious actors. 	
High P2	<p>Security incidents that have localized impact, but are viewed as having the potential to become more serious if not quickly addressed. Effort to recover from the incident may be moderate to significant.</p> <p>Examples:</p> <ul style="list-style-type: none"> Malware that is quarantined by antivirus. Multiple behaviors observed in the system that are consistent with known attacker techniques. 	Response provided 24 hours, 7 days a week, including US Public Holidays.
Medium P3	<p>Security incidents that potentially indicate an attacker is performing reconnaissance or initial attempts at accessing the system. Effort to recover from the incident may be low to moderate.</p> <p>Examples include:</p> <ul style="list-style-type: none"> Suspected unauthorized attempts to log into user accounts. Suspected unauthorized changes to system configurations, such as firewalls or user accounts. Observed failures of security components. Informational events. User account creation or deletion. Privilege change for existing accounts. 	Response provided from 8:00a.m. to 5:00p.m. CST/CDT, Monday through Friday, excluding U.S. Public Holidays.
Low P4	These are typically service requests from the Customer.	Response provided from 8:00a.m. to 5:00p.m. CST/CDT, Monday through Friday, excluding U.S. Public Holidays.

4.2.3.3.1 Notification

Motorola will establish notification procedures with Customer, generally categorized in accordance with the following table.

Table 4-3: Notification Procedures

Notification Procedure	Details
Routine Notification Procedure	The means, addresses, format, and desired content (within the capabilities of the installed technology) for Events of Interest. These can be formatted for automated processing, e.g., by ticketing systems.
Urgent Notification Procedure	Additional, optional means and addresses for notifications of Events of Interest that require urgent notification. These usually include telephone notifications.

Motorola will notify Customer according to the escalation and contact procedures defined by Customer and Motorola during the implementation process.

4.2.3.3.2 Tuning

Motorola will assess certain events to be environmental noise, potentially addressable configuration issues in the environment, or false positives. Motorola may recommend these be addressed by Customer to preserve system and network resources.

Motorola will provide Customer with the ability to temporarily suppress alerts reaching ActiveEye, enabling a co-managed approach to tuning and suppressing events or alarms. The SOC may permanently suppress particular alerts and alarms if not necessary for actionable threat detection.

4.2.3.3.3 Tuning Period Exception

The tuning period is considered to be the first thirty (30) days after each service module has been confirmed properly deployed and configured, and starts receiving data. During the tuning period, Motorola may make recommendations to Customer to adjust the configurations of their installed software so that Services can be effectively delivered. Service Availability will not be applicable during the tuning period and responses or notifications may not be delivered. However, Motorola will make best efforts to provide responses and notifications during this period.

Motorola may continue to recommend necessary tuning changes after this period, with no impact on Service Availability.

Motorola Solutions Responsibilities

- Motorola will monitor the service and check in-scope assets are properly forwarding logs or events and that system scans are functioning. Motorola will notify the customer of any exceptions. Motorola will begin monitoring any properly connected, in-scope sources after the tuning period.
- Motorola will conduct initial tuning of the events and alarms in the service, as well as set up initial reports (User Access, Administration Events, and Configuration Findings Reports).

Customer Responsibilities

- Customer must provide appropriate connectivity for all in-scope assets to the service and address any exceptions noted by Motorola. Failure to do so will delay completion of future phases and will prevent Motorola from monitoring those sources.
- Customer must deploy tools, as applicable, in their environment, in accordance with provided requirements. Customer must engage the SOC team in discussing the tuning approach and confirm the configurations requested.

4.2.3.4 Limitations and Exclusion

This Service excludes any incident response support actions outside those outlined within this SOW, such as those that require Motorola personnel to directly access Customer devices, travel, deploy new tools, or direct specific actions. These services may be obtained from Motorola through a separate proposal.

4.2.4 Scope Limitations & Clarifications

Service Limitations

Cybersecurity services are inherently limited and will not guarantee that Customer's system will be error-free or immune to security breaches as a result of any or all of the services described in this proposal. Motorola does not warrant or guarantee that this service will identify all cybersecurity incidents that occur in Customer's system. Services and deliverables are limited by, among other things, the evolving and often malicious nature of cyber threats, conduct/attacks, as well as the complexity/disparity and evolving nature of Customer computer system environments, including supply chains, integrated software, services, and devices.

Motorola does not represent that it will identify, fully recognize, discover or resolve all security events or threats, system vulnerabilities, malicious codes, files or malware, indicators of compromise or internal threats or concerns.

NOTWITHSTANDING ANY PROVISION OF THE AGREEMENT TO THE CONTRARY, MOTOROLA WILL HAVE NO LIABILITY FOR (A) INTERRUPTION OR FAILURE OF CONNECTIVITY, VULNERABILITIES, OR SECURITY EVENTS; (B) DISRUPTION OF OR DAMAGE TO CUSTOMER'S OR THIRD PARTIES' SYSTEMS, EQUIPMENT, OR DATA, INCLUDING DENIAL OF ACCESS TO USERS, OR SHUTDOWN OF SYSTEMS CAUSED BY INTRUSION DETECTION SOFTWARE OR HARDWARE; (C) AVAILABILITY OR ACCURACY OF ANY DATA AVAILABLE THROUGH THE SERVICES, OR INTERPRETATION, USE, OR MISUSE THEREOF; (D) TRACKING AND LOCATION-BASED SERVICES; OR (E) BETA SERVICES.

Processing of Customer Data in the United States and/or other Locations

Customer understands and agrees that data obtained, accessed or utilized in the performance of the services may be transmitted to, accessed, monitored, and/or otherwise processed by Motorola in the United States (US) and/or other Motorola operations globally. Customer consents to and authorizes all such processing and agrees to provide, obtain, or post any necessary approvals, consents, or notices that may be necessary to comply with applicable law.

Customer and Third-Party Information

Customer understands and agrees that Motorola may obtain, use and/or create and use anonymized, aggregated and/or generalized Customer data, such as data relating to actual and potential security threats and vulnerabilities, for its lawful business purposes, including improving its services and sharing and leveraging such information for the benefit of Customer, other customers, and other interested parties. For purposes of this engagement, so long not specifically identifying Customer, Customer Data shall not include, and Motorola shall be free to use, share and leverage security threat intelligence and mitigation data generally, including without limitation, third party threat vectors and IP addresses, file hash information, domain names, malware signatures and information, information obtained from third party sources, indicators of compromise, and tactics, techniques, and procedures used learned or developed in the course of providing services.

4.3 Avigilon Fixed Video Cameras and Access Control Solution

4.3.1 Statement of Work - Inclusions & Exclusions

4.3.1.1 Motorola Responsibility

- Motorola to provide and install a turnkey CCTV video system to the City of Huntington Park.
- Motorola to provide all the necessary material for the installation.
- Motorola to provide all the necessary labor for the installation.
- Motorola to provide all the necessary training after installation is complete.
- All Cradlepoint Cell Router for remote locations included.

4.3.1.2 Customer Responsibility

- The City of Huntington Park to provide 120V power everywhere cameras/networking will be installed if it does not exist including poles and signs (for example, the pillar in front of City Hall with the monitors).
- The City of Huntington Park to provide Internet connectivity from each VMS site back to the Internet via fiber or cable modem or DSL.
- The City of Huntington Park will provide all MDF/IDF networking switches.
- The City of Huntington Park to provide all networking switches at the light poles.
- The City of Huntington Park to provide all SIM cards to be used in the Cradlepoint (wireless 5g).
- The City of Huntington Park to provide all painting, patching, bonds & fees.
- City to provide server racks, UPS systems with adequate power receptacles or power distribution units, network switches, and IP addresses.
- City Permits or associated fees are City's responsibility.
- City to provide IP addresses, passwords and network access.

4.4 CommandCentral Aware

4.4.1 Overview

In accordance with the terms and conditions of the Agreement, this Statement of Work (SOW) defines the principal activities and responsibilities of all parties for the delivery of the Motorola Solutions, Inc. (Motorola) system as presented in this offer to Customer. When assigning responsibilities, the phrase “Motorola” includes our subcontractors and third party partners.

Deviations and changes to this SOW are subject to mutual agreement between Motorola and the Customer and will be addressed in accordance with the change provisions of the Agreement.

Unless specifically stated, Motorola work will be performed remotely. Customer will provide Motorola resources with unrestricted direct network access to enable Motorola to fulfill its delivery obligations.

Motorola’s Project Manager will use the SOW to guide the deployment process and coordinate the activities of Motorola resources.

The scope of this project is limited to supplying the contracted equipment and software as described in the Solution Description and system integration and or subscription services as described in this SOW and contract agreements.

4.4.2 Contract Administration and Project Initiation

After the contract is dually executed, the project is set up in Motorola’s information and management systems, project resources are assigned, and Project Planning activities commence. Motorola and Customer will work to complete their respective responsibilities in accordance with the mutually agreed upon and executed project schedule. Any changes in the project schedule will be mutually agreed upon via change order in order to avert delay.

4.4.2.1 Completion and Acceptance Criteria

Motorola’s work is considered complete upon Motorola completing the last task listed in a series of responsibilities or as specifically stated in Completion Criteria. Customer task completion will occur in a way that enables Motorola to complete its tasks without delay.

The Customer will provide Motorola with written notification that it does not accept the completion of a task or rejects a Motorola deliverable within five business days of completion or receipt of a deliverable.

As CommandCentral Aware is provided as a subscription service, the subscription service period will begin upon activation of service.

Note - Motorola has no responsibility for the performance and/or delays caused by other contractors or vendors engaged by the Customer for this project, even if Motorola has recommended such contractors.

4.4.2.2 Project Roles and Responsibilities Motorola Roles and Responsibilities

A Motorola team, made up of specialized personnel, will be assigned to the project under the direction of the Motorola Project Manager. Team members will be multi-disciplinary and may fill more than one role. Team members will be engaged in different phases of the project as necessary.

In order to maximize efficiencies Motorola's project team will provide services remotely via teleconference, web- conference or other remote method in fulfilling its commitments as outlined in this SOW.

The personnel role descriptions noted below provide an overview of typical project team members. One or more resources of the same type may be engaged as needed throughout the project. There may be other personnel engaged in the project under the direction of the Project Manager.

Motorola's project management approach has been developed and refined based on lessons learned in the execution of hundreds of system implementations. Using experienced and dedicated people, industry-leading processes, and integrated software tools for effective project execution and control, we have developed and refined practices that support the design, production, and validation required to deliver a high-quality, feature-rich system.

Project Manager

A Motorola Project Manager will be assigned as the principal business representative and point of contact for the organization. The Project Manager's responsibilities include the following:

- Manage the Motorola responsibilities related to the delivery of the project.
- Maintain the project schedule and manage the assigned Motorola personnel and applicable subcontractors/supplier resources.
- Manage the Change Order process per the Agreement.
- Maintain project communications with the Customer.
- Identify and manage project risks.
- Collaborative coordination of Customer resources to minimize and avoid project delays.
- Measure, evaluate, and report the project status against the Project Schedule.
- Conduct remote status meetings on mutually agreed dates to discuss project status.
- Provide timely responses to issues related to project progress.

Consultant

The Motorola Consultant will work with the Customer project team on operationalizing the system into Customer's workflows and processes. The Consultant's responsibilities include the following:

- Provide education and guidance to the Customer on the use, operation, and integration of the system.

Solutions Architect

The Solutions Architect is responsible for the delivery of the technical and equipment elements of the solution. Specific responsibilities include the following:

- Confirmation that the delivered technical elements and enablement of applications meets contracted requirements.
- Delivery of interfaces and integrations between Motorola products.

- Engagement throughout the duration of the delivery.

Customer Success Advocate

A Customer Success Advocate will be assigned to the Customer post Go Live event. By being the Customer's trusted advisor, the Customer Success Advocate's responsibilities include the following:

- Assist the Customer with maximizing the use of their Motorola software and service investment.
- Actively manage, escalate, and log issues with Support, Product Management, and Sales.
- Provide ongoing customer communication about progress, timelines, and next steps.
- Liaise with the Customer on industry trends and Motorola evolutions.

Customer Support Services Team

- The Customer Support Services team provides ongoing support following commencement of beneficial use of the Customer's System(s) as defined in the Agreement.

4.4.3 Customer Core Team, Roles and Responsibilities Overview

The success of the project is dependent on early assignment of a Customer Core Team. During the Project Planning review, the customer will be required to deliver names and contact information for the below listed roles that will make up Customer Core Team. In many cases, the Customer will provide project roles that correspond with Motorola's project roles. It is critical that these resources are empowered to make decisions based on the Customer's operational and administration needs. The Customer Core Team should be engaged from project initiation through beneficial use of the system. The continued involvement in the project and use of the system will convey the required knowledge to maintain the system post-completion of the project. In some cases, one person may fill multiple project roles. The Customer Core Team must be committed to participate in activities for a successful implementation. In the event that the Customer is unable to provide the roles identified in this section, Motorola may be able to supplement Customer resources at an additional price.

Project Manager

The Project Manager will act as the primary Customer point of contact for the duration of the project. The Project Manager is responsible for management of any third party vendors that are the Customer's subcontractors. In the event that the project involves multiple agencies, Motorola will work exclusively with a single Customer-assigned Project Manager (the primary Project Manager). The Project Manager's responsibilities include the following:

- Communicate and coordinate with other project participants.
- Manage the Customer project team, including timely facilitation of efforts, tasks, and activities.
- Maintain project communications with the Motorola Project Manager.
- Identify the efforts required of Customer staff to meet the task requirements and milestones in this SOW and Project Schedule.
- Consolidate all project-related questions and queries from Customer staff to present to the Motorola Project Manager.
- Review the Project Schedule with the Motorola Project Manager and finalize the detailed tasks, task dates, and responsibilities.
- Measure and evaluate progress against the Project Schedule.
- Monitor the project to ensure resources are available as scheduled.

- Attend status meetings.
- Provide timely responses to issues related to project progress.
- Liaise and coordinate with other agencies, Customer vendors, contractors, and common carriers.
- Review and administer change control procedures, hardware and software certification, and all related project tasks required to maintain the Project Schedule.
- Ensure Customer vendors' adherence to overall Project Schedule and Project Plan.
- Assign one or more personnel who will work with Motorola staff as needed for the duration of the project, including at least one Application Administrator for CommandCentral Aware and one or more representative(s) from the IT department.
- Identify the resource with authority to formally acknowledge and approve Change Orders, approval letter(s), and milestone recognition certificates, as well as approve and release payments in a timely manner.
- Provide building access to Motorola personnel to all Customer facilities where system equipment is to be installed during the project. Temporary identification cards are to be issued to Motorola personnel, if required for access to facilities.
- Ensure remote network connectivity and access to Motorola resources.
- As applicable to this project, assume responsibility for all fees for licenses and inspections and for any delays associated with inspections due to required permits.
- Provide reasonable care to prevent equipment exposure to contaminants that cause damage to the equipment or interruption of service.
- Ensure a safe work environment for Motorola personnel.
- Provide signatures of Motorola-provided milestone certifications and Change Orders within five business days of receipt.

System Administrator

The System Administrator manages the technical efforts and ongoing tasks and activities of their system, as defined in the Customer Support Plan (CSP).

Application Administrator(s)

The Application Administrator(s) manage the Customer-owned provisioning maintenance and Customer code tables required to enable and maintain system operation. The Application Administrator's involvement will start at the Project Kickoff stage of the project. They are engaged throughout the project to ensure they are able to maintain the provisioning post-handoff. The Application Administrator's responsibilities include the following:

- Participate in overall delivery activities to understand the software, interfaces, and functionality of the system.
- Authorize global provisioning choices and decisions, and be the point(s) of contact for reporting and verifying problems and maintaining provisioning.
- Obtain inputs from other user agency stakeholders related to business processes and provisioning.

Subject Matter Experts

The Subject Matter Experts (SME or Super Users) are the core group of users involved with the Business Process Review (BPR) and analysis, training, and the provisioning process, including making global provisioning choices and decisions. These members should be experienced users in the working area(s) they represent (dispatch, patrol, real time crime center, etc.), and should be empowered to make decisions related to provisioning elements, workflows, and screen layouts.

IT Personnel

IT personnel provide required information related to LAN, WAN, and wireless networks. They will provide required information related to the devices and infrastructure related to servers, clients, radio, video, and other devices ancillary to the implementation. They must also be familiar with connectivity to internal, external, and third party systems to which the Motorola system will interface.

User Agency Stakeholders

User Agency Stakeholders, if the system is deployed in a multi-agency environment, are those resources representing agencies outside of the Customer's agency. These resources will provide provisioning inputs to the Customer Core Team if operations for these agencies differ from that of the Customer. The Customer will manage User Agency Stakeholder involvement, as needed, to fulfill Customer responsibilities.

4.4.4 General Customer Responsibilities

In addition to the Customer Responsibilities stated elsewhere in this SOW, the Customer is responsible for the following:

- All Customer-provided equipment, including hardware and third party software, necessary for delivery of the System not specifically listed as a Motorola deliverable. This will include end user workstations, network equipment, telephone, radios, cameras, sensors, or TDD equipment and the like.
- Configuration, maintenance, testing, and supporting the third party systems the Customer operates which will be interfaced to as part of this project.
- Customer is responsible for providing the Applications Programming Interface (API) or Software Development Kit (SDK) software licenses and documentation that details the integration process and connectivity for the level of interface integration defined by Motorola.
- Communication between Motorola and Customer's third party vendors, as required, to enable Motorola to perform its duties.
- Active participation of Customer Core Team in project delivery meetings and working sessions during the course of the project. Customer Core Team will possess requisite knowledge of Customer operations and legacy system(s) and possess skills and abilities to operate and manage the system.
- The provisioning of Customer code tables and GIS map services as requested by Motorola. This information must be provided in a timely manner in accordance with the Project Schedule.
- Electronic versions of any documentation associated with the business processes identified.
- Providing a facility with the computer and audio-visual equipment for work sessions.
- Ability to participate in remote project meeting sessions using Google Meet or a mutually agreeable, Customer-provided, alternate remote conferencing solution.

4.4.5 Project Planning and Pre-Implementation Review

A clear understanding of the needs and expectations of both Motorola and the Customer are critical to the successful implementation and ongoing operation of CommandCentral. In order to establish initial expectations for system deployment and to raise immediate visibility to ongoing operation and maintenance requirements, Motorola will work with the Customer to help understand the impact of introducing a new solution and your preparedness for the implementation and support of the CommandCentral system.

Shortly after contract signing, Motorola will conduct a one-on-one teleconference with the Customer Project Manager to review the task requirements of each phase of the project and help to identify areas of potential risk due to lack of resource availability, experience, or skill.

The teleconference discussion will focus on the scope of implementation requirements, resource commitment requirements, cross-functional team involvement, a review of the required technical resource aptitudes and a validation of existing skills, and resource readiness in preparation for the Project Kickoff meeting.

Motorola Responsibilities

- Make initial contact with the Customer Project Manager and schedule the Pre-Implementation Review.
- Discuss the overall project deployment methodologies, inter-agency/inter-department decision considerations (as applicable), and third party engagement/considerations (as applicable).
- Discuss Customer involvement in system provisioning and data gathering to understand scope and time commitment required.
- Discuss the Learning eXperience Portal (LXP) training approach.
- Obtain mutual agreement of the Project Kickoff meeting agenda and objectives.
- Review the Implementation Packet.
- Coordinate enabling designated Customer Application Administrator with access to the LXP and CommandCentral Admin Portal.

Customer Responsibilities

- Provide Motorola with the names and contact information for the designated LXP and application administrators.
- Acknowledge understanding of the Implementation Packet.
- Collaborate with the Motorola Project Manager and set the Project Kickoff meeting date.

4.4.6 CommandCentral Enablement

The Customer will work with Motorola on setup and configuration of the Customer's firewall in order to allow traffic from CommandCentral.

4.4.6.1 Agency and User Setup

The Customer's agency(s) and CommandCentral users must be provisioned within the CommandCentral cloud platform using the CommandCentral Admin Console. The provisioning process allows the agency(s) to define the specific capabilities and permissions of each user.

Motorola Responsibilities

- Use the CommandCentral Admin tool to establish the Customer and the Customer's agency(s) within the CommandCentral cloud platform. This activity is completed during the order process.
- Provision agency's CommandCentral initial users and permissions.

Customer Responsibilities

- Identify a System Administrator(s).
- Ensure all System Administrators complete the CommandCentral Admin training.
- Use the CommandCentral Admin Console to set up CommandCentral administration and user passwords, and provision agency's CommandCentral users and permissions.

Completion Criteria

- Initial agencies and users have been configured.

4.4.6.2 Project Kickoff

The purpose of the project kickoff is to introduce project participants and review the overall scope of the project.

Motorola Responsibilities

- Conduct a project kickoff meeting.
- Validate key project team participants attend the meeting.
- Introduce all project participants.
- Review the roles of the project participants to identify communication flows and decision-making authority between project participants.
- Review the overall project scope and objectives.
- Review the resource and scheduling requirements.
- Review the teams' interactions (meetings, reports, milestone acceptance) and Customer participation.
- Verify Customer Administrator(s) (as defined during Pre-Implementation Review) have access to the LXP and CommandCentral Admin Console.
- Obtain from Customer all paperwork and/or forms (i.e. fingerprints, background checks, card keys and any other security requirement) required of Motorola resources to obtain access.
- Request third-party API, SDKs, data schema, and any internal and third-party documents necessary to establish interfaces with local and remote systems.

Customer Responsibilities

- Validate key project team participants attend the meeting.
- Introduce all project participants.
- Review the roles of the project participants to identify communication flows and decision-making authority between project participants.
- Provide VPN access to Motorola staff to facilitate delivery of services described in this SOW.

- Validate any necessary non-disclosure agreements, approvals, and other related issues are complete in time so as not to introduce delay in the project schedule. Data exchange development must adhere to third party licensing agreements.
- Provide all paperwork and/or forms (i.e. fingerprints, background checks, card keys and any other security requirement) required of Motorola resources to obtain access to each of the sites identified for this project.
- Provide the contact information for the license administrator for the project; i.e. IT Manager, CAD Manager, and any other key contact information as part of this project.
- Validate access to the LXP and CommandCentral Admin Console.
- Provide the information required in the Implementation Packet.

4.4.7 Contract Design Review (CDR)

4.4.7.1 Contract Design Review

The objective is to review the contracted applications, project schedule, bill of materials, functional demonstration approach, validation plan, and contractual obligations of each party. Any changes to the contracted scope can be initiated via the change provision of the Agreement.

Motorola Responsibilities

- Review the contract exhibits: Solution Description, Statement of Work, Aware Discovery Checklist (part of Solution Description) and Project Schedule.
- Review the technical, environmental and network requirements of the system.
- Request shipping address and receiver name.
- Provide completed paperwork, provided to Motorola during project kickoff that enables Motorola resources to obtain site access.
- Review the information in the complete Implementation Packet.
- Grant Customer Administrator with access to CommandCentral Admin Console.
- Grant Customer LXP Administrator with access to the LXP.
- Generate a CDR Summary report documenting the discussions, outcomes and any required change orders.

Customer Responsibilities

- Project Manager and key Customer project team attend the meeting.
- Provide network environment information as requested.
- Provide shipping address and receiver name.
- Provide locations and access to the existing equipment that will be part of the CommandCentral system per contract.

Completion Criteria

- Delivery of CDR Summary report.

4.4.7.2 Interface Delivery Review

The objective of the interface delivery review is to discuss the user experience presented by each contracted interface, collect network information, API, and access credentials required to connect to third party systems, and document specific configuration parameters.

Motorola Responsibilities

- Discuss the need for additional information such as third party API, SDKs, data schema and any internal and 3rd party documents necessary to establish interfaces.
- Conduct reviews of the interface(s) to explain how each function as well as any dependency on third party API, SDKs, data schema and any internal and third party documents necessary to establish interfaces with local and remote systems.
- Review the functional interface demonstration process.
- Add interface related details to the CDR Summary report.

Customer Responsibilities

- Provide all required third party API and SDK licensing and documentation for Customer's existing systems such as CAD and Video Management Systems.
- Make knowledgeable individuals available for the interface reviews.
- As applicable, test any existing equipment and/or any third party equipment with which Motorola equipment will interface to validate connectivity with the Motorola system.
- Discuss information on third party API, SDKs, data schema and any internal and third party documents necessary to establish interfaces with all local and remote systems and facilities within ten days of the Project Kickoff Meeting so as not to impact the project schedule.
- Establish network connectivity between the CloudConnect Virtual Machine and all third party interface demarcations included as part of this project.

Completion Criteria

- Delivery of CDR Summary Report.

4.4.8 Environmental Design Considerations

The following environmental requirements must be met by Customer no later than the completion of the CDR in order to enable Motorola to complete installation activities presented in this SOW:

- Provide connectivity between the various networks.
- Provide VPN remote access for Motorola deployment personnel to configure the system and for Customer Support to conduct diagnostics
- Provide backup power, as necessary.
- Provide Internet access to CommandCentral Aware server(s). This includes software licenses and media and installation support from the Customer's IT personnel.
- Responsible for any electrical or infrastructure improvements required at the Customer's facility are the responsibility of the Customer.
- Provide backhaul equipment, installation, and support costs.

- Provide devices such as workstations, tablets, and smartphones with Internet access in order to use the CommandCentral Aware solution. Chrome Browser is recommended for optimal performance. CommandCentral Aware workstations to support MS Windows 10 Enterprise. Customer will provide Antivirus software for the CommandCentral Aware client.
- Existing APX subscribers will be at software version R15.00.00 or later and equipped with GPS and IV&D options in order to use the Location on PTT feature.
- Provide Motorola access with administrative rights to Active Directory for the purpose of installation/configuration and support.
- If interfaces are being included in this offer, the Customer is responsible for all necessary third party upgrades of their existing system(s) as may be required to support the CommandCentral solution. Our offer does not include any services, support, or pricing to support Customer third party upgrades.
- If interfaces are being included in this offer, the Customer is responsible to mitigate the impact to third party systems, to include CommandCentral interfaces that result from the customer upgrading a third party system. Motorola strongly recommends working with Motorola to understand the impact of such upgrades prior to taking any upgrade action.
- Provide all environmental conditions as outlined in the Aware Solution Description; such as power and network requirements.

4.4.9 Hardware/Software Installation and Configuration

4.4.9.1 Procure and Ship Equipment

Motorola Responsibilities

- Procure contracted equipment in accordance with the equipment list.
- Arrange for shipping to the Customer's location.
- Notify Customer of equipment shipping specifics and ETA for arrival.

Customer Responsibilities

- Receive and store Motorola provided hardware.

Completion Criteria

- Equipment order is completed and ready to be shipped to Customer.

4.4.9.2 CloudConnect Installation and Configuration

Motorola Responsibilities

- Verify remote access capability.
- Perform physical installation of the Cloud Anchor Server on existing equipment rack, connect to power and network, and assign IP addresses for the network.
- Remotely configure CloudConnect Virtual Machine within the Cloud Anchor Server.
- Configure network connectivity and test connection to the CloudConnect Virtual Machine.

Customer Responsibilities

- Install Cloud Anchor Server in Customers' existing equipment rack and conduct a power on test demonstrating its availability to Motorola to commence with software installation and configuration activities.
- Give Motorola two static IP addresses, corresponding subnet masks/default gateway, and available NTP and DNS IP to the CloudConnect Server.

Completion Criteria

- CloudConnect Virtual Machine configuration is complete.

4.4.9.3 Workstation Installation and Configuration

Motorola Responsibilities

- Verify remote access to workstation(s).
- Request IP address to target workstation(s).
- Configure contracted CommandCentral workstation(s).

Customer Responsibilities

- Provide a dedicated delivery point for receiving, inventory and storage of equipment.
- Receive and inventory contracted equipment (reference equipment list).
- Perform physical installation of the CommandCentral Solution workstations. Connect to power and network. Assign IP addresses for the network.
- Give assigned IP addresses of target workstation(s) to Motorola.
- Provide remote access to the CommandCentral Solution workstation(s).

4.4.10 Interfaces and Integration

The installation, configuration, and demonstration of interfaces may be an iterative series of activities depending upon access to third party systems. Interfaces will be installed and configured in accordance with the project schedule. Integrations of functionality between Motorola developed products will be completed through software installation and provisioning activities in accordance with the Project Schedule dates. Integration activities that have specific requirements will be completed as outlined in this SOW.

4.4.10.1 Interface Installation and Configuration

Installation and configuration of interfaces will be completed in accordance with the System Description. Connectivity will be established between the Motorola system and the external and/or third party systems to which the contracted software will interface. Motorola will configure the system to support each contracted interface. The Customer is responsible for engaging third party vendors if and as required to facilitate connectivity and validating of the interfaces.

Motorola Responsibilities

- Establish connectivity to external and third party systems.
- Configure interfaces to support the functionality described in the Solutions Description.

- Demonstrate the interface usability in accordance with the Project Validation Plan.

Customer Responsibilities

- Act as liaison between Motorola and third party vendors or systems as required to establish interface connectivity with the Motorola system.
- Provide personnel proficient with and authorized to make changes to the network and third party systems to support Motorola's interface installation efforts.
- Provide network connectivity between CommandCentral Solution and the third party systems for interface installation and configuration. Act as liaison between Motorola and third party vendors or systems as required to establish connectivity with CommandCentral Solution.

Completion Criteria

- Interface and integration tasks are considered complete upon demonstration of the functionality.
- Unknown circumstances, requirements and anomalies at the time of initial design can present difficulties in interfacing CommandCentral Solution to some third party applications. These difficulties could result in a poorly performing or even a non-functional interface. At such time that Motorola is provided with information and access to systems Motorola will be able to mitigate these difficulties. If Motorola mitigation requires additional third party integration, application upgrades, API upgrades, and/or additional software licenses those costs will need to be addressed through the change provision of the contract.

4.4.10.2 ASTRO 25 Location Integration

Motorola Responsibilities

- Configure connection between CloudConnect Virtual Machine and the existing ASTRO 25 Intelligent Middleware (IMW) system.
- Perform a remote IMW software upgrade (if required for compatible version).
- Configure IMW location reporting parameters. The location reporting configuration will include location on PTT, location on emergency, and location on demand.
- Install core and site licenses for enhanced data.
- Set Cadence Threshold in conjunction with Capacity Study results.
- Provision subscribers' software licenses as needed.

Customer Responsibilities

- Provide IMW system.
- Programming the subscriber fleet to support the Location on PTT functionality.

4.4.10.3 ASTRO 25 Location Integration

Motorola Responsibilities

- Install and configure LRRP Connector on customer specified hardware.
- Install core and site licenses for enhanced data.
- Set Cadence Threshold in conjunction with Capacity Study results.
- Provision subscribers' software licenses as needed.

Customer Responsibilities

- Provide location for LRRP Connector.
- Enable necessary traffic through firewalls, as specified by Motorola, for LRRP functionality.
- Programming the subscriber fleet to support the Location on PTT functionality.

4.4.10.4 Capacity Study

The objective of the Data Capacity Analysis is to verify that the Customer's ASTRO® 25 communication system is properly equipped, configured, and has the capacity to support ASTRO 25 data dependent Aware features, as described in the Solution Description. The results of the capacity analysis provide guidance for provisioning ARL and AMS features. A System Engineer will conduct the analysis of the existing ASTRO 25 system. If an ASTRO 25 system is in deployment, then the analysis will be performed on the contracted ASTRO 25 system design.

Motorola Responsibilities

- Collect and review as-built information about the ASTRO 25 system from the ASTRO 25 deployment team, System Manager, or Customer.
- Document any deficiencies in the ASTRO 25 system such as licenses, product versions, firmware versions, and system components required for PremierOne/CommandCentral ASTRO 25 integration.
- Gather current ASTRO 25 system architecture, configuration, product, and firmware versions, if Motorola-supported system.
- Collect 30 days of ATIA data from the production ASTRO 25 system.
- Analyze the ATIA data to determine the busy-hour voice load model.
- Collect CommandCentral provisioning parameters.
- Collect current incident usage statistics.
- Document the operation of ARL and AMS features including estimates of anticipated use.
- Analyze collected data and define a data load model based on the desired features and target configuration.
- Perform a voice and data capacity analysis using the Hydra ASTRO 25 modeling tool. Multiple scenarios will be considered in an effort to optimize the use of available RF channels to provide functionality, while maintaining the required voice Grade of Service (GoS).
- Prepare ASTRO 25 Capacity Analysis Report that describes any required ASTRO 25 system changes.

Customer Responsibilities

- Provide access to the ASTRO 25 Master Site for collection of ATIA and configuration data.
- Provide information on current ASTRO 25 system architecture, configuration, product, and firmware versions, and any planned changes to the ASTRO 25 system, if ASTRO 25 system is self-maintained.
- Provide information about the current subscriber types, quantities, and expected use.
- Provide information about any other current or planned users on the ASTRO 25 system.
- Identify all current and planned ASTRO 25 data applications (e.g. third party mapping applications, Radio Management).

- Review and discuss the Data Capacity Analysis report with Motorola.
- Complete any ASTRO 25 improvements or version upgrades necessary to support the solution as documented in the ASTRO 25 Capacity Analysis Report .
- Provide circuits and connectivity between the radio core, IMW, CEN, and CommandCentral system.

Motorola Deliverables

- ASTRO 25 Capacity Analysis Report.

4.4.10.5 CommandCentral Solution Geospatial Mapping Configuration

Motorola Responsibilities

- Installation and configuration of the connection to the Customer mapping system (ArcGIS Online, ESRI ArcGIS Server, or ArcGIS Portal).
- Validate mapping layers and links to validate CommandCentral Solution is accessing and using Customer- published GIS data.

Customer Responsibilities

- Provide access to ESRI/GIS system and/or GIS personnel.
- Provide published GIS map services.
- Publish specific maps beneficial to the Customer analysts.

4.4.11 CommandCentral Solution Provisioning

Motorola will discuss industry best practices, current operations environment and subsystem integration in order to determine the optimal configuration for CommandCentral Solution.

Motorola Responsibilities

- Using the CommandCentral Admin Console, provision users, groups, and rules based on Customer Active Directory data.

Customer Responsibilities

- Supply the access and credentials to Customer's Active Directory for the purpose of Motorola conducting CommandCentral Solution provisioning.
- Respond to Motorola inquiries regarding users/groups/agency mapping to CommandCentral Solution functionality.

Completion Criteria

- CommandCentral Solution provisioning is complete upon Motorola completing provisioning activities.

4.4.12 CommandCentral Online Training

Online training is made available to you via Motorola LXP. This subscription service provides you with continual access to our library of online learning content and allows your users the benefit of learning at times convenient to them. Content is added and updated on a regular basis to keep

information current. This training modality allows the Customer to engage in training when convenient. All training, unless explicitly specified and defined, is online, computer-based, self-paced learning.

Motorola Responsibilities

- Designate a LXP Administrator to work with the Customer.
- Establish an accessible instance of the LXP for the Customer.
- Organize content to align with the Customer's selected technologies.
- Create initial Customer user accounts and a single Primary Administrator account.
- During on-boarding, assist the Customer with LXP usage by providing training and job aids as needed.
- Create and maintain user role Learning Paths defined by the Customer.
- Install security patches when available.
- Perform scheduled maintenance. Notify the Customer 24 hours in advance of scheduled maintenance.
- Provide technical support for user account and access issues, base system functionality, and Motorola- managed content.
- Monitor the Learning Subscription server. Provide support for server incidents.

Customer Responsibilities

- Provide user information for the initial creation of accounts.
- Provide network and internet connectivity for the Customer's users to access the LXP.
- The customer's primary LXP administrator should complete the following self-paced training: Learning Experience Portal (LXP) Introduction online course (LXP0001), LXP Primary Site Administrator Overview online course (LXP0002), and LXP Group Administrator Overview (LXP0003).
- Advise agency learners of the availability of training via the LXP.
- Ensure users complete LXP training in accordance with the Project Schedule.
- Order and maintain subscriptions to access Motorola's LXP.
- Contact Motorola to engage Technical Support when needed.

4.4.13 Functional Demonstration

The objective of functional demonstration is to validate Customer access to the CommandCentral features and functions and system integration via configured interfaces (as applicable).

Motorola Responsibilities

- Update functional demonstration script.
- Provide script to Customer for review and acknowledgement.
- Conduct functional demonstration.
- Correct any configuration issues impacting access to cloud based features; i.e. map display, location updates, video display and/or interface and integrations.

- Document, in the Implementation Packet, any corrective actions taken by Customer or Motorola during the demonstration
- Provide Customer instruction on using the Customer Feedback Tool for feature/enhancement requests.

Customer Responsibilities

- Review and agree to the scope of the demonstration script.
- Witness the functional demonstration and acknowledge its completion.
- Resolve any provisioning impacting the functional demonstration.

Completion Criteria

- Conclusion of the functional demonstration.

4.4.14 System Training

The objective of this task is to prepare for and deliver the contracted training. Motorola training consists of both computer-based (online) and instructor-led. Training delivery methods vary depending on course content and offer.

4.4.14.1 Learning eXperience Portal (LXP Online Training)

Training is made available to Customer, in part, via Motorola's LXP. This subscription service provides your users with continual access to Motorola's library of online learning content and allows your users the benefit of learning at times convenient to them.

Motorola Responsibilities

- Configure a Customer specific portal view.
- Create learner access account to the portal for each user name provided by Customer.
- Provide instruction to Customer LXP Administrator on building groups.

Customer Responsibilities

- Provide Motorola with names (first and last) and email addresses for each learner.
- Complete LXP Administrator training.
- Advise users of the availability of the LXP.
- Build groups as desired.

4.4.14.2 Instructor-Led Training Motorola Responsibilities

- Deliver training materials in electronic format.
- Deliver Remote Training.
- Deliver On-Site Training.
- Provide Customer with training Attendance Rosters and summarize any pertinent observations.

Customer Responsibilities

- Supply classroom, one login per attendee, and one workstation per attendee.

- Designate a single point of contact who will work with Motorola to ensure training environment is ready for training delivery.
- Facilitate training of all Customer end users in accordance with Customer's training delivery plan.

Motorola Deliverables

- Electronic versions of Training Materials.
- Attendance Rosters.

4.4.15 Completion Milestone

Following the conclusion of delivery of the functional demonstration the project is considered complete and the completion milestone will be recognized.

4.4.16 Transition to Support and Customer Success

Customer Success is the main point of contact as you integrate this solution into your agency's business processes. Our Customer Support team will be the point of contact for technical support concerns you might have and can be reached either by phone or by emailing support.

Motorola Responsibilities

- Transition Customer to Motorola Customer Support.
- Supply Customer with instructions when engaging support.

Customer Responsibilities

- Provide Motorola with specific contact information for those users authorized to engage Motorola's support.
- Engage the Motorola support organization as needed.

Section 5

Pricing

5.1 Pricing Summary

Description	List Price	Sale Price (Sourcewell Contract)
Flex CAD/RMS/Non-Custodial Booking Solution (Hardware/ Software/ Services)	\$1,244,575.56	\$1,120,118.00
Avigilon Video Management Solution (Hardware/ Software/ Services)	\$1,689,603.38	\$1,520,643.04
Avigilon Access Control Solution (Hardware/ Software/ Services)	\$642,495.62	\$578,246.06
CommandCentral Aware (Hardware/ Software/ Services)	\$156,936.67	\$141,243.00
Rave Mobile Reach	\$4,500.00	\$4,275.00
SOLUTION TOTAL		\$3,364,525.10
<i>Bundle Solution Discount</i>		<i>(\$134,581.00)</i>
<i>Additional Customer Loyalty Discount (valid until 8/30/2024)</i>		<i>(\$100,935.75)</i>
FINAL SALE PRICE		\$3,129,008.35
<i>Estimated Sales Tax on Equipment 10.25 %</i>		<i>\$50,627.00</i>
Year 2 (Flex Suite, Avigilon, CC Aware, Rave) - <i>Subscription, Maintenance and Support</i>		\$197,509.00
Year 3 (Flex Suite, Avigilon, CC Aware, Rave) - <i>Subscription, Maintenance and Support</i>		\$200,643.00
Year 4 (Flex Suite, Avigilon, CC Aware, Rave) - <i>Subscription, Maintenance and Support</i>		\$203,902.00
Year 5 (Flex Suite, Avigilon, CC Aware, Rave) - <i>Subscription, Maintenance and Support</i>		\$207,292.00

Description	Sale Price
Cybersecurity ActiveEye Solution (OPTIONAL)	\$81,503.84
Year 2 - Cybersecurity ActiveEye Solution	\$67,655.47
Year 3 - Cybersecurity ActiveEye Solution	\$71,038.24
Year 4 - Cybersecurity ActiveEye Solution	\$74,590.15
Year 5 - Cybersecurity ActiveEye Solution	\$78,319.66

5.2 Terms and Conditions

Pricing is in U.S. Dollars and valid until the quote expiration date unless stated otherwise.

Pricing and specifications are subject to change without notice.

Pricing Assumptions:

- Pricing for this solution offer is valid for 60 days from the date of this proposal.
- First year of maintenance for all selected software is included in the Year 1 purchase price.
- This proposal supports a standard "Train-the-Trainer" training approach.
- Cabling, capital improvements, and power consumption considerations to the installation environment that may be required to support the solution are the responsibility of the customer.
- Customer will provide adequate server room, power, HVAC, network backhaul, workstation hardware, laptops, handheld devices, OS and other software required for the solution.

5.2.1 Payment Milestones

Contract Price. The Contract Price in U.S. dollars is \$_____.

Except for a payment that is due on the Effective Date, Customer will make payments to Motorola within thirty (30) days after the date of each invoice. Customer will make payments when due in the form of a check, cashier's check, or wire transfer drawn on a U.S. financial institution. If Customer has purchased additional Professional or Subscription services, payment will be in accordance with the applicable addenda. Payment for the System purchase will be in accordance with the following milestones:

Flex Suite:

1. 30% of the Contract Price for Flex Suite due upon Contract Execution (due upon effective date);
2. 30% of the Contract Price for Flex Suite due upon Delivery of System Hardware & Application of Software;
3. 15% of the Contract Price for Flex Suite due upon Installation;
4. 15% of the Contract Price for Flex Suite due upon Go-Live; and
5. 10% of the Contract Price for Flex Suite due upon Final Acceptance.

Avigilon Video Management Solution:

1. 25% of the Contract Price for Avigilon Access Control due upon Contract Execution (due upon effective date);
2. 45% of the Contract Price for Avigilon Access Control due upon Shipment;
3. 20% of the Contract Price for Avigilon Access Control due upon Installation; and
4. 10% of the Contract Price for Avigilon Access Control due upon Final Acceptance.

Avigilon Access Control Solution:

1. 25% of the Contract Price for Avigilon Access Control due upon Contract Execution (due upon effective date);
2. 45% of the Contract Price for Avigilon Access Control due upon Shipment;
3. 20% of the Contract Price for Avigilon Access Control due upon Installation; and
4. 10% of the Contract Price for Avigilon Access Control due upon Final Acceptance.

Command Central Aware Solution:

1. 25% of the Contract Price for CommandCentral Aware due upon Contract Execution (due upon effective date);
2. 25% of the Contract Price for CommandCentral Aware due upon Shipment;
3. 25% of the Contract Price for CommandCentral Aware due upon Installation; and
4. 25% of the Contract Price for CommandCentral Aware due upon Final Acceptance.

Rave Solution:

1. 100% of year 1 price due upon contract execution.

Years 2-5 of each solution will be invoiced annually in advance of each year of the plan in accordance with Table 5.1.

Motorola shall make partial shipments of equipment and will request payment upon shipment of such equipment. In addition, Motorola shall invoice for installations completed on a site-by-site basis or when professional services are completed, when applicable. The value of the equipment shipped/services performed will be determined by the value shipped/services performed as a percentage of the total milestone value. Unless otherwise specified, contract discounts are based upon all items proposed and overall system package. Overdue invoices will bear simple interest at the maximum allowable rate by state law.

For Maintenance and Support Plan and Subscription Based Services: Motorola will invoice Customer annually in advance of each year of the plan.

Tax

Unless otherwise noted, this proposal excludes sales tax or other applicable taxes (such as Goods and Services Tax, sales tax, Value Added Tax and other taxes of a similar nature). Any tax Customer is subject to will be added to invoices.

5.2.2 Invoicing and Shipping Addresses

Invoices will be sent to Customer at the following address:	
Name:	
Address:	
Phone:	
Email:	
Address of Ultimate Destination for Equipment to be Delivered to Customer:	
Name:	
Address:	
Equipment Shipped to Customer at the following address:	
Name:	
Address:	
Phone:	

Section 6

Contractual Documentation

Motorola Solutions has provided a Sourcewell Motorola Solutions Customer Agreement and Exhibits on the following pages.

Sourcewell Motorola Solutions Customer Agreement

This Motorola Solutions Customer Agreement (the “**MCA**”) is entered into between Motorola Solutions, Inc., with offices at 500 W. Monroe Street, Suite 4400, Chicago, IL 60661 (“**Motorola**”) and the entity set forth in the signature block below (“**Customer**”). Motorola and Customer will each be referred to herein as a “**Party**” and collectively as the “**Parties**”. This Agreement (as defined below) is effective as of the date of the last signature (the “**Effective Date**”).

WHEREAS, Customer desires to purchase from Motorola and Motorola desires to sell to Customer certain Motorola radio communications equipment and services (Public Safety Software);

WHEREAS, Sourcewell (“Sourcewell”), a State of Minnesota local government agency and service cooperative offering cooperative procurement solutions to government entities that access Sourcewell’s cooperative purchasing contracts (“Participating Entities”);

WHEREAS, on July 4, 2021, Sourcewell and Motorola entered into a contract identified as 042021-MOT, (“042021-MOT”), which provides that Participating Entities may purchase technology and hardware solutions (Public Safety Technology and Hardware Solutions) from Motorola pursuant to certain terms contained therein;

WHEREAS, on July 23, 2021, Sourcewell and Motorola entered into a contract identified as 051321-MOT, (“051321-MOT”), which provides that Participating Entities may purchase software and equipment (Public Safety Software) from Motorola pursuant to certain terms contained therein; and

WHEREAS, pursuant to Article 6.B of 042021-MOT and 051321-MOT (collectively referred to as the “Sourcewell Contracts”), Motorola and Customer now wish to enter into this Agreement to delineate the specific terms of the purchase of Public Safety Technology and Hardware Solutions and Public Safety Software from Motorola by Customer.

For good and valuable consideration, the Parties agree as follows:

1. Agreement.

1.1. Scope; Agreement Documents. This MCA governs Customer’s purchase of Products (as defined below) and Services (as defined below) from Motorola. Additional terms and conditions applicable to specific Products and Services are set forth in one or more addenda attached to this MCA (each an “**Addendum**”, and collectively the “**Addenda**”). In addition, the Parties may agree upon solution descriptions, equipment lists, statements of work, schedules, technical specifications, and other ordering documents setting forth the Products and Services to be purchased by Customer and provided by Motorola and additional rights and obligations of the Parties (the “**Ordering Documents**”). To the extent required by applicable procurement law, a proposal submitted by Motorola in response to a competitive procurement process will be included within the meaning of the term Ordering Documents. This MCA, the Addenda, and any Ordering Documents collectively form the Parties’ “**Agreement**”.

1.2. Order of Precedence. Each Addendum will control with respect to conflicting terms in the MCA, but only as applicable to the Products and Services described in such Addendum. Each Ordering Document will control with respect to conflicting terms in the MCA or any Addenda, but only as applicable to the Products and Services described on such Ordering Document.

Sourcewell Motorola Customer Agreement	1	
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2. Products and Services.

2.1. Products. Motorola will (a) sell hardware provided by Motorola (“**Equipment**”), (b) license software which is either preinstalled on Equipment or installed on Customer-Provided Equipment (as defined below) and licensed to Customer by Motorola for a perpetual or other defined license term (“**Licensed Software**”), and (c) license cloud-based software as a service products and other software which is either preinstalled on Equipment or installed on Customer-Provided Equipment, but licensed to Customer by Motorola on a subscription basis (“**Subscription Software**”) to Customer, to the extent each is set forth in an Ordering Document, for Customer’s own use in accordance with this Agreement. The Equipment, Licensed Software, and Subscription Software shall collectively be referred to herein as “**Products**”, or individually as a “**Product**”. At any time during the Term (as defined below), Motorola may substitute any Products at no cost to Customer, if the substitute is substantially similar to the Products set forth in the applicable Ordering Documents.

2.2. Services.

2.2.1. Motorola will provide services related to purchased Products (“**Services**”), to the extent set forth in an Ordering Document.

2.2.2. Integration Services; Maintenance and Support Services. If specified in an Ordering Document, Motorola will provide, for the term of such Ordering Document, (a) design, deployment, and integration Services in order to design, install, set up, configure, and/or integrate the applicable Products at the applicable locations (“**Sites**”), agreed upon by the Parties (“**Integration Services**”), or (b) break/fix maintenance, technical support, or other Services (such as software integration Services) (“**Maintenance and Support Services**”), each as further described in the applicable statement of work. Maintenance and Support Services and Integration Services will each be considered “Services”, as defined above.

2.2.3. Service Ordering Documents. The Fees for Services will be set forth in an Ordering Document and any applicable project schedules. A Customer point of contact will be set forth in the applicable statement of work for the Services. For purposes of clarity, each statement of work will be incorporated into, and form an integral part of, the Agreement.

2.2.4. Service Completion. Unless otherwise specified in the applicable Ordering Document, Services described in an Ordering Document will be deemed complete upon Motorola’s performance of all Services listed in such Ordering Document (“**Service Completion Date**”); provided, however, that Maintenance and Support Services may be offered on an ongoing basis during a given Ordering Document term, in which case such Maintenance and Support Services will conclude upon the expiration or termination of such Ordering Document.

2.3. Non-Preclusion. If, in connection with the Products and Services provided under this Agreement, Motorola makes recommendations, including a recommendation to purchase other products or services, nothing in this Agreement precludes Motorola from participating in a future competitive bidding process or otherwise offering or selling the recommended products or other services to Customer. Customer represents that this paragraph does not violate its procurement standards or other laws, regulations, or policies.

2.4. Customer Obligations. Customer will ensure that information Customer provides to Motorola in connection with receipt of Products and Services are accurate and complete in all material respects. Customer will make timely decisions and obtain any required management approvals that are reasonably necessary for Motorola to provide the Products and Services and perform its other duties under this Agreement. Unless the applicable Ordering Document states otherwise, Motorola may rely upon and is not required to evaluate, confirm, reject, modify, or provide advice concerning any assumptions or Customer information, decisions, or approvals described in this Section. If any assumptions in the Ordering Documents or information provided by Customer prove to be incorrect, or if Customer fails to perform any of its obligations under this Agreement, Motorola's ability to perform its obligations may be impacted and changes to the Agreement, including the scope, Fees, and performance schedule may be required.

2.5. Documentation. Products and Services may be delivered with documentation for the Equipment, software Products, or data that specifies technical and performance features, capabilities, users, or operation, including training manuals, and other deliverables, such as reports, specifications, designs, plans, drawings, analytics, or other information (collectively, "**Documentation**"). Documentation is and will be owned by Motorola, unless otherwise expressly agreed in an Addendum or Ordering Document that certain Documentation will be owned by Customer. Motorola hereby grants Customer a limited, royalty-free, worldwide, non-exclusive license to use the Documentation solely for its internal business purposes in connection with the Products and Services.

2.6. Motorola Tools and Equipment. As part of delivering the Products and Services, Motorola may provide certain tools, equipment, models, and other materials of its own. Such tools and equipment will remain the sole property of Motorola unless they are to be purchased by Customer as Products and are explicitly listed on an Ordering Document. The tools and equipment may be held by Customer for Motorola's use without charge and may be removed from Customer's premises by Motorola at any time without restriction. Customer will safeguard all tools and equipment while in Customer's custody or control, and be liable for any loss or damage. Upon the expiration or earlier termination of this Agreement, Customer, at its expense, will return to Motorola all tools and equipment in its possession or control.

2.7. Authorized Users. Customer will ensure its employees and Authorized Users comply with the terms of this Agreement and will be liable for all acts and omissions of its employees and Authorized Users. Customer is responsible for the secure management of Authorized Users' names, passwords and login credentials for access to Products and Services. "**Authorized Users**" are Customer's employees, full-time contractors engaged for the purpose of supporting the Products and Services that are not competitors of Motorola, and the entities (if any) specified in an Ordering Document or otherwise approved by Motorola in writing (email from an authorized Motorola signatory accepted), which may include affiliates or other Customer agencies.

2.8. Export Control. Customer, its employees, and any other Authorized Users will not access or use the Products and Services in any jurisdiction in which the provision of such Products and Services is prohibited under applicable laws or regulations (a "**Prohibited Jurisdiction**"), and Customer will not provide access to the Products and Services to any government, entity, or individual located in a Prohibited Jurisdiction. Customer represents and warrants that (a) it and its Authorized Users are not named on any U.S. government list of persons prohibited from receiving U.S. exports, or transacting with any U.S. person; (b) it and its Authorized Users are not a national of, or a company registered in, any Prohibited Jurisdiction; (c) Customer will not permit its Authorized Users to access or use the Products or Services in violation of any U.S. or other applicable export embargoes, prohibitions or restrictions; and (d) Customer and its Authorized

Users will comply with all applicable laws regarding the transmission of technical data exported from the U.S. and the country in which Customer, its employees, and the Authorized Users are located.

2.9. Change Orders. Unless a different change control process is agreed upon in writing by the Parties, a Party may request changes to an Addendum or an Ordering Document by submitting a change order to the other Party (each, a “**Change Order**”). If a requested change in a Change Order causes an increase or decrease in the Products or Services, the Parties by means of the Change Order will make appropriate adjustments to the Fees, project schedule, or other matters. Change Orders are effective and binding on the Parties only upon execution of the Change Order by an authorized representative of both Parties.

3. Term and Termination.

3.1. Term. The term of this MCA (“**Term**”) will commence on the Effective Date and continue until six (6) months after the later of (a) the termination, expiration, or discontinuance of services under the last Ordering Document in effect, or (b) the expiration of all applicable warranty periods, unless the MCA is earlier terminated as set forth herein. The applicable Addendum or Ordering Document will set forth the term for the Products and Services governed thereby.

3.2. Termination. Either Party may terminate the Agreement or the applicable Addendum or Ordering Document if the other Party breaches a material obligation under the Agreement and does not cure such breach within thirty (30) days after receipt of notice of the breach or fails to produce a cure plan within such period of time. Each Addendum and Ordering Document may be separately terminable as set forth therein.

3.3. Suspension of Services. Motorola may terminate or suspend any Products or Services under an Ordering Document if Motorola determines: (a) the related Product license has expired or has terminated for any reason; (b) the applicable Product is being used on a hardware platform, operating system, or version not approved by Motorola; (c) Customer fails to make any payments when due; or (d) Customer fails to comply with any of its other obligations or otherwise delays Motorola’s ability to perform.

3.4. Effect of Termination or Expiration. Upon termination for any reason or expiration of this Agreement, an Addendum, or an Ordering Document, Customer and the Authorized Users will return or destroy (at Motorola’s option) all Motorola Materials and Motorola’s Confidential Information in their possession or control and, as applicable, provide proof of such destruction, except that Equipment purchased by Customer should not be returned. If Customer has any outstanding payment obligations under this Agreement, Motorola may accelerate and declare all such obligations of Customer immediately due and payable by Customer. Notwithstanding the reason for termination or expiration, Customer must pay Motorola for Products and Services already delivered. Customer has a duty to mitigate any damages under this Agreement, including in the event of default by Motorola and Customer’s termination of this Agreement.

4. Payment and Invoicing.

4.1. Fees. Fees and charges applicable to the Products and Services (the “**Fees**”), which includes the respective Sourcwell administrative fees, will be as set forth in the applicable Addendum or Ordering Document, and such Fees may be changed by Motorola at any time, except that Motorola will not change the Fees for Products and Services purchased by Customer during the term of an active Ordering Document or during a Subscription Term (as defined and further described in the applicable Addendum). Motorola will pay Sourcwell’s administrative fee

in accordance with the payment terms of the Motorola/Sourcwell Contracts. Changes in the scope of Services described in an Ordering Document may require an adjustment to the Fees due under such Ordering Document. If a specific invoicing or payment schedule is set forth in the applicable Addendum or Ordering Document, such schedule will apply solely with respect to such Addendum or Ordering Document. Unless otherwise specified in the applicable Ordering Document, the Fees for any Services exclude expenses associated with unusual and costly Site access requirements (e.g., if Site access requires a helicopter or other equipment), and Customer will reimburse Motorola for these or other expenses incurred by Motorola in connection with the Services.

4.2. Taxes. The Fees do not include any excise, sales, lease, use, property, or other taxes, assessments, duties, or regulatory charges or contribution requirements (collectively, "**Taxes**"), all of which will be paid by Customer, except as exempt by law, unless otherwise specified in an Ordering Document. If Motorola is required to pay any Taxes, Customer will reimburse Motorola for such Taxes (including any interest and penalties) within thirty (30) days after Customer's receipt of an invoice therefore. Customer will be solely responsible for reporting the Products for personal property tax purposes, and Motorola will be solely responsible for reporting taxes on its income and net worth.

4.3. Invoicing. Motorola will invoice Customer at the frequency set forth in the applicable Addendum or Ordering Document, and Customer will pay all invoices within thirty (30) days of the invoice date or as otherwise specified in the applicable Addendum or Ordering Document. Late payments will be subject to interest charges at the maximum rate permitted by law, commencing upon the due date. Motorola may invoice electronically via email, and Customer agrees to receive invoices via email at the email address set forth in an Ordering Document. Customer affirms that a purchase order or notice to proceed is not required for contract performance or for subsequent years of service, if any, and that sufficient funds have been appropriated in accordance with applicable law.

4.4. Materials And Labor Price Increase. In the event that there are significant increases in the prices that Motorola pays for materials and supplies for the work to be performed between the date the Agreement is signed and the date that materials are purchased for the work to be performed, Motorola shall be entitled to additional compensation from Customer as described herein. A significant increase in price is defined herein as an increase as to any specific items of materials of three percent (3%) or more from original proposal. In such a case, Customer shall pay to Motorola, on request, all sums by which the cost to Motorola for any such items of materials has increased beyond 3%. This would apply, but not be limited to price increases in any components included in the Bill of Materials or Scope of Work as well as manufactured products and equipment or third party manufactured products and equipment. Motorola shall not be responsible for increased prices of materials when caused by delays, shortages or unavailability of materials due to conditions not caused by Contractor. Any pricing change would be documented in a change order executed with the Customer.

4.5. Inflation Adjustment. For multi-year agreements, at the end of the first year of the Agreement and each year thereafter, a CPI percentage change calculation shall be performed using the U.S. Department of Labor, Consumer Price Index, all Items, Unadjusted Urban Areas (CPI-U). Should the annual inflation rate increase greater than 3% during the previous year, Motorola shall have the right to increase all future maintenance prices by the CPI increase amount exceeding 3%. All items, not seasonally adjusted shall be used as the measure of CPI for this price adjustment. Measurement will take place once the annual average for the new year has

been posted by the Bureau of Labor Statistics. For purposes of illustration, if in year 5 the CPI reported an increase of 8%, Motorola may increase the Year 6 price by 5% (8%-3% base).

5. Sites; Customer-Provided Equipment; Non-Motorola Content.

5.1. Access to Sites. Customer will be responsible for providing all necessary permits, licenses, and other approvals necessary for the installation and use of the Products and the performance of the Services at each applicable Site, including for Motorola to perform its obligations hereunder, and for facilitating Motorola's access to the Sites. No waivers of liability will be imposed on Motorola or its subcontractors by Customer or others at Customer facilities or other Sites, but if and to the extent any such waivers are imposed, the Parties agree such waivers are void.

5.2. Site Conditions. Customer will ensure that (a) all Sites are safe and secure, (b) Site conditions meet all applicable industry and legal standards (including standards promulgated by OSHA or other governmental or regulatory bodies), (c) to the extent applicable, Sites have adequate physical space, air conditioning, and other environmental conditions, electrical power outlets, distribution, equipment, connections, and telephone or other communication lines (including modem access and interfacing networking capabilities), and (d) Sites are suitable for the installation, use, and maintenance of the Products and Services. This Agreement is predicated upon normal soil conditions as defined by the version of E.I.A. standard RS-222 in effect on the Effective Date.

5.3. Site Issues. Motorola will have the right at any time to inspect the Sites and advise Customer of any deficiencies or non-conformities with the requirements of this **Section 5 – Sites; Customer-Provided Equipment; Non-Motorola Content**. If Motorola or Customer identifies any deficiencies or non-conformities, Customer will promptly remediate such issues or the Parties will select a replacement Site. If a Party determines that a Site identified in an Ordering Document is not acceptable or desired, the Parties will cooperate to investigate the conditions and select a replacement Site or otherwise adjust the installation plans and specifications as necessary. A change in Site or adjustment to the installation plans and specifications may cause a change in the Fees or performance schedule under the applicable Ordering Document.

5.4. Customer-Provided Equipment. Certain components, including equipment and software, not provided by Motorola may be required for use of the Products and Services ("**Customer-Provided Equipment**"). Customer will be responsible, at its sole cost and expense, for providing and maintaining the Customer-Provided Equipment in good working order. Customer represents and warrants that it has all rights in Customer-Provided Equipment to permit Motorola to access and use the applicable Customer-Provided Equipment to provide the Products and Services under this Agreement, and such access and use will not violate any laws or infringe any third-party rights (including intellectual property rights). Customer (and not Motorola) will be fully liable for Customer-Provided Equipment, and Customer will immediately notify Motorola of any Customer-Provided Equipment damage, loss, change, or theft that may impact Motorola's ability to provide the Products and Services under this Agreement, and Customer acknowledges that any such events may cause a change in the Fees or performance schedule under the applicable Ordering Document.

5.5. Non-Motorola Content. In certain instances, Customer may be permitted to access, use, or integrate Customer or third-party software, services, hardware, content, and data that is not provided by Motorola (collectively, "**Non-Motorola Content**") with or through the Products and Services. If Customer accesses, uses, or integrates any Non-Motorola Content with the Products or Services, Customer will first obtain all necessary rights and licenses to permit Customer's and its Authorized Users' use of the Non-Motorola Content in connection with the Products and

Services. Customer will also obtain the necessary rights for Motorola to use such Non-Motorola Content in connection with providing the Products and Services, including the right for Motorola to access, store, and process such Non-Motorola Content (e.g., in connection with Subscription Software), and to otherwise enable interoperation with the Products and Services. Customer represents and warrants that it will obtain the foregoing rights and licenses prior to accessing, using, or integrating the applicable Non-Motorola Content with the Products and Services, and that Customer and its Authorized Users will comply with any terms and conditions applicable to such Non-Motorola Content. If any Non-Motorola Content require access to Customer Data (as defined below), Customer hereby authorizes Motorola to allow the provider of such Non-Motorola Content to access Customer Data, in connection with the interoperation of such Non-Motorola Content with the Products and Services. Customer acknowledges and agrees that Motorola is not responsible for, and makes no representations or warranties with respect to, the Non-Motorola Content (including any disclosure, modification, or deletion of Customer Data resulting from use of Non-Motorola Content or failure to properly interoperate with the Products and Services). If Customer receives notice that any Non-Motorola Content must be removed, modified, or disabled within the Products or Services, Customer will promptly do so. Motorola will have the right to disable or remove Non-Motorola Content if Motorola believes a violation of law, third-party rights, or Motorola's policies is likely to occur, or if such Non-Motorola Content poses or may pose a security or other risk or adverse impact to the Products or Services, Motorola, Motorola's systems, or any third party (including other Motorola customers). Motorola may provide certain Non-Motorola Content as an authorized sales representative of a third party as set out in an Ordering Document. As an authorized sales representative, the third party's terms and conditions, as set forth in the Ordering Document, will apply to any such sales. Any orders for such Non-Motorola Content will be filled by the third party. Nothing in this Section will limit the exclusions set forth in **Section 7.2 – Intellectual Property Infringement**.

5.6. End User Licenses. Notwithstanding any provision to the contrary in the Agreement, certain Non-Motorola Content software are governed by a separate license, EULA, or other agreement, including terms governing third-party equipment or software, such as open source software, included in the Products and Services. Customer will comply, and ensure its Authorized Users comply, with any such additional terms applicable to third-party equipment or software. If provided for in the separate third party license, Customer may have a right to receive source code for such software; a copy of such source code may be obtained free of charge by contacting Motorola.

6. Representations and Warranties.

6.1. Mutual Representations and Warranties. Each Party represents and warrants to the other Party that (a) it has the right to enter into the Agreement and perform its obligations hereunder, and (b) the Agreement will be binding on such Party.

6.2. Motorola Warranties. Subject to the disclaimers and exclusions below, Motorola represents and warrants that (a) Services will be provided in a good and workmanlike manner and will conform in all material respects to the descriptions in the applicable Ordering Document; and (b) for a period of ninety (90) days commencing upon the Service Completion Date for one-time Services, the Services will be free of material defects in materials and workmanship. Other than as set forth in subsection (a) above, recurring Services are not warranted but rather will be subject to the requirements of the applicable Addendum or Ordering Document. Motorola provides other express warranties for Motorola-manufactured Equipment, Motorola-owned software Products, and certain Services. Such express warranties are included in the applicable

Addendum or Ordering Document. Such representations and warranties will apply only to the applicable Product or Service that is the subject of such Addendum or Ordering Document.

6.3. Warranty Claims; Remedies. To assert a warranty claim, Customer must notify Motorola in writing of the claim prior to the expiration of any warranty period set forth in this MCA or the applicable Addendum or Ordering Document. Unless a different remedy is otherwise expressly set forth for a particular warranty under an Addendum, upon receipt of such claim, Motorola will investigate the claim and use commercially reasonable efforts to repair or replace any confirmed materially non-conforming Product or re-perform any non-conforming Service, at its option. Such remedies are Customer's sole and exclusive remedies for Motorola's breach of a warranty. Motorola's warranties are extended by Motorola to Customer only, and are not assignable or transferrable.

6.4. Pass-Through Warranties. Notwithstanding any provision of this Agreement to the contrary, Motorola will have no liability for third-party software or hardware provided by Motorola; provided, however, that to the extent offered by third-party providers of software or hardware and to the extent permitted by law, Motorola will pass through express warranties provided by such third parties.

6.5. WARRANTY DISCLAIMER. EXCEPT FOR THE EXPRESS AND PASS THROUGH WARRANTIES IN THIS AGREEMENT, PRODUCTS AND SERVICES PURCHASED HEREUNDER ARE PROVIDED "AS IS" AND WITH ALL FAULTS. WARRANTIES SET FORTH IN THE AGREEMENT ARE THE COMPLETE WARRANTIES FOR THE PRODUCTS AND SERVICES AND MOTOROLA DISCLAIMS ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, AND QUALITY. MOTOROLA DOES NOT REPRESENT OR WARRANT THAT USE OF THE PRODUCTS AND SERVICES WILL BE UNINTERRUPTED, ERROR-FREE, OR FREE OF SECURITY VULNERABILITIES, OR THAT THEY WILL MEET CUSTOMER'S PARTICULAR REQUIREMENTS.

7. Indemnification.

7.1. General Indemnity. Motorola will defend, indemnify, and hold Customer harmless from and against any and all damages, losses, liabilities, and expenses (including reasonable fees and expenses of attorneys) arising from any actual third-party claim, demand, action, or proceeding ("**Claim**") for personal injury, death, or direct damage to tangible property to the extent caused by Motorola's negligence, gross negligence or willful misconduct while performing its duties under an Ordering Document or an Addendum, except to the extent the claim arises from Customer's negligence or willful misconduct. Motorola's duties under this **Section 7.1 – General Indemnity** are conditioned upon: (a) Customer promptly notifying Motorola in writing of the Claim; (b) Motorola having sole control of the defense of the suit and all negotiations for its settlement or compromise; and (c) Customer cooperating with Motorola and, if requested by Motorola, providing reasonable assistance in the defense of the Claim.

7.2. Intellectual Property Infringement. Motorola will defend Customer against any third-party claim alleging that a Motorola-developed or manufactured Product or Service (the "**Infringing Product**") directly infringes a United States patent or copyright ("**Infringement Claim**"), and Motorola will pay all damages finally awarded against Customer by a court of competent jurisdiction for an Infringement Claim, or agreed to in writing by Motorola in settlement of an Infringement Claim. Motorola's duties under this **Section 7.2 – Intellectual Property Infringement** are conditioned upon: (a) Customer promptly notifying Motorola in writing of the Infringement Claim; (b) Motorola having sole control of the defense of the suit and all negotiations

for its settlement or compromise; and (c) Customer cooperating with Motorola and, if requested by Motorola, providing reasonable assistance in the defense of the Infringement Claim.

7.2.1. If an Infringement Claim occurs, or in Motorola's opinion is likely to occur, Motorola may at its option and expense: (a) procure for Customer the right to continue using the Infringing Product; (b) replace or modify the Infringing Product so that it becomes non-infringing; or (c) grant Customer (i) a pro-rated refund of any amounts pre-paid for the Infringing Product (if the Infringing Product is a software Product, i.e., Licensed Software or Subscription Software) or (ii) a credit for the Infringing Product, less a reasonable charge for depreciation (if the Infringing Product is Equipment, including Equipment with embedded software).

7.2.2. In addition to the other damages disclaimed under this Agreement, Motorola will have no duty to defend or indemnify Customer for any Infringement Claim that arises from or is based upon: (a) Customer Data, Customer-Provided Equipment, Non-Motorola Content, or third-party equipment, hardware, software, data, or other third-party materials; (b) the combination of the Product or Service with any products or materials not provided by Motorola; (c) a Product or Service designed, modified, or manufactured in accordance with Customer's designs, specifications, guidelines or instructions; (d) a modification of the Product or Service by a party other than Motorola; (e) use of the Product or Service in a manner for which the Product or Service was not designed or that is inconsistent with the terms of this Agreement; or (f) the failure by Customer to use or install an update to the Product or Service that is intended to correct the claimed infringement. In no event will Motorola's liability resulting from an Infringement Claim extend in any way to any payments due on a royalty basis, other than a reasonable royalty based upon revenue derived by Motorola from Customer from sales or license of the Infringing Product.

7.2.3. This **Section 7.2 – Intellectual Property Infringement** provides Customer's sole and exclusive remedies and Motorola's entire liability in the event of an Infringement Claim. For clarity, the rights and remedies provided in this Section are subject to, and limited by, the restrictions set forth in **Section 8 – Limitation of Liability** below.

7.3. Customer Indemnity. Customer will defend, indemnify, and hold Motorola and its subcontractors, subsidiaries and other affiliates harmless from and against any and all damages, losses, liabilities, and expenses (including reasonable fees and expenses of attorneys) arising from any actual or threatened third-party claim, demand, action, or proceeding arising from or related to (a) Customer-Provided Equipment, Customer Data, or Non-Motorola Content, including any claim, demand, action, or proceeding alleging that any such equipment, data, or materials (or the integration or use thereof with the Products and Services) infringes or misappropriates a third-party intellectual property or other right, violates applicable law, or breaches the Agreement; (b) Customer-Provided Equipment's failure to meet the minimum requirements set forth in the applicable Documentation or match the applicable specifications provided to Motorola by Customer in connection with the Products or Services; (c) Customer's (or its service providers, agents, employees, or Authorized User's) negligence or willful misconduct; and (d) Customer's or its Authorized User's breach of this Agreement. This indemnity will not apply to the extent any such claim is caused by Motorola's use of Customer-Provided Equipment, Customer Data, or Non-Motorola Content in violation of the Agreement. Motorola will give Customer prompt, written

notice of any claim subject to the foregoing indemnity. Motorola will, at its own expense, cooperate with Customer in its defense or settlement of the claim.

8. Limitation of Liability.

8.1. DISCLAIMER OF CONSEQUENTIAL DAMAGES. EXCEPT FOR PERSONAL INJURY OR DEATH, MOTOROLA, ITS AFFILIATES, AND ITS AND THEIR RESPECTIVE OFFICERS, DIRECTORS, EMPLOYEES, SUBCONTRACTORS, AGENTS, SUCCESSORS, AND ASSIGNS (COLLECTIVELY, THE “**MOTOROLA PARTIES**”) WILL NOT BE LIABLE IN CONNECTION WITH THIS AGREEMENT (WHETHER UNDER MOTOROLA’S INDEMNITY OBLIGATIONS, A CAUSE OF ACTION FOR BREACH OF CONTRACT, UNDER TORT THEORY, OR OTHERWISE) FOR ANY INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, PUNITIVE, OR CONSEQUENTIAL DAMAGES OR DAMAGES FOR LOST PROFITS OR REVENUES, EVEN IF MOTOROLA HAS BEEN ADVISED BY CUSTOMER OR ANY THIRD PARTY OF THE POSSIBILITY OF SUCH DAMAGES OR LOSSES AND WHETHER OR NOT SUCH DAMAGES OR LOSSES ARE FORESEEABLE.

8.2. DIRECT DAMAGES. EXCEPT FOR PERSONAL INJURY OR DEATH, THE TOTAL AGGREGATE LIABILITY OF THE MOTOROLA PARTIES, WHETHER BASED ON A CLAIM IN CONTRACT OR IN TORT, LAW OR EQUITY, RELATING TO OR ARISING OUT OF THE AGREEMENT WILL NOT EXCEED THE FEES SET FORTH IN THE ORDERING DOCUMENT UNDER WHICH THE CLAIM AROSE. NOTWITHSTANDING THE FOREGOING, FOR ANY SUBSCRIPTION SOFTWARE OR FOR ANY RECURRING SERVICES, THE MOTOROLA PARTIES’ TOTAL LIABILITY FOR ALL CLAIMS RELATED TO SUCH PRODUCT OR RECURRING SERVICES IN THE AGGREGATE WILL NOT EXCEED THE TOTAL FEES PAID FOR SUCH SUBSCRIPTION SOFTWARE OR RECURRING SERVICE, AS APPLICABLE, DURING THE CONSECUTIVE TWELVE (12) MONTH PERIOD IMMEDIATELY PRECEDING THE EVENT FROM WHICH THE FIRST CLAIM AROSE.

8.3. ADDITIONAL EXCLUSIONS. NOTWITHSTANDING ANY OTHER PROVISION OF THIS AGREEMENT, MOTOROLA WILL HAVE NO LIABILITY FOR DAMAGES ARISING OUT OF (A) CUSTOMER DATA, INCLUDING ITS TRANSMISSION TO MOTOROLA, OR ANY OTHER DATA AVAILABLE THROUGH THE PRODUCTS OR SERVICES; (B) CUSTOMER-PROVIDED EQUIPMENT, NON-MOTOROLA CONTENT, THE SITES, OR THIRD-PARTY EQUIPMENT, HARDWARE, SOFTWARE, DATA, OR OTHER THIRD-PARTY MATERIALS, OR THE COMBINATION OF PRODUCTS AND SERVICES WITH ANY OF THE FOREGOING; (C) LOSS OF DATA OR HACKING, RANSOMWARE, OR OTHER THIRD-PARTY ATTACKS OR DEMANDS; (D) MODIFICATION OF PRODUCTS OR SERVICES BY ANY PERSON OTHER THAN MOTOROLA; (E) RECOMMENDATIONS PROVIDED IN CONNECTION WITH OR BY THE PRODUCTS AND SERVICES; (F) DATA RECOVERY SERVICES OR DATABASE MODIFICATIONS; OR (G) CUSTOMER’S OR ANY AUTHORIZED USER’S BREACH OF THIS AGREEMENT OR MISUSE OF THE PRODUCTS AND SERVICES.

8.4. Voluntary Remedies. Motorola is not obligated to remedy, repair, replace, or refund the purchase price for the disclaimed issues in **Section 8.3 – Additional Exclusions** above, but if Motorola agrees to provide Services to help resolve such issues, Customer will reimburse Motorola for its reasonable time and expenses, including by paying Motorola any Fees set forth in an Ordering Document for such Services, if applicable.

8.5. Statute of Limitations. Customer may not bring any claims against a Motorola Party in connection with this Agreement or the Products and Services more than one (1) year after the date of accrual of the cause of action.

9. Confidentiality.

9.1. Confidential Information. “**Confidential Information**” means any and all non-public information provided by one Party (“**Discloser**”) to the other (“**Recipient**”) that is disclosed under this Agreement in oral, written, graphic, machine recognizable, or sample form, being clearly designated, labeled or marked as confidential or its equivalent or that a reasonable businessperson would consider non-public and confidential by its nature. With respect to Motorola, Confidential Information will also include Products and Services, and Documentation, as well as any other information relating to the Products and Services. The nature and existence of this Agreement are considered Confidential Information of the Parties. In order to be considered Confidential Information, information that is disclosed orally must be identified as confidential at the time of disclosure and confirmed by Discloser by submitting a written document to Recipient within thirty (30) days after such disclosure. The written document must contain a summary of the Confidential Information disclosed with enough specificity for identification purpose and must be labeled or marked as confidential or its equivalent.

9.2. Obligations of Confidentiality. During the Term and for a period of three (3) years from the expiration or termination of this Agreement, Recipient will (a) not disclose Confidential Information to any third party, except as expressly permitted in this **Section 9 - Confidentiality**; (b) restrict disclosure of Confidential Information to only those employees (including, employees of any wholly owned subsidiary, a parent company, any other wholly owned subsidiaries of the same parent company), agents or consultants who must access the Confidential Information for the purpose of, and who are bound by confidentiality terms substantially similar to those in, this Agreement; (c) not copy, reproduce, reverse engineer, de-compile or disassemble any Confidential Information; (d) use the same degree of care as for its own information of like importance, but at least use reasonable care, in safeguarding against disclosure of Confidential Information; (e) promptly notify Discloser upon discovery of any unauthorized use or disclosure of the Confidential Information and take reasonable steps to regain possession of the Confidential Information and prevent further unauthorized actions or other breach of this Agreement; and (f) only use the Confidential Information as needed to fulfill its obligations and secure its rights under this Agreement.

9.3. Exceptions. Recipient is not obligated to maintain as confidential any information that Recipient can demonstrate by documentation (a) is publicly available at the time of disclosure or becomes available to the public without breach of this Agreement; (b) is lawfully obtained from a third party without a duty of confidentiality to Discloser; (c) is otherwise lawfully known to Recipient prior to such disclosure without a duty of confidentiality to Discloser; or (d) is independently developed by Recipient without the use of, or reference to, any of Discloser’s Confidential Information or any breach of this Agreement. Additionally, Recipient may disclose Confidential Information to the extent required by law, including a judicial or legislative order or proceeding.

9.4. Ownership of Confidential Information. All Confidential Information is and will remain the property of Discloser and will not be copied or reproduced without the express written permission of Discloser (including as permitted herein). Within ten (10) days of receipt of Discloser’s written request, Recipient will return or destroy all Confidential Information to Discloser along with all copies and portions thereof, or certify in writing that all such Confidential Information has been destroyed. However, Recipient may retain (a) one (1) archival copy of the Confidential Information for use only in case of a dispute concerning this Agreement and (b) Confidential Information that has been automatically stored in accordance with Recipient’s standard backup or recordkeeping procedures, provided, however that Recipient will remain subject to the obligations of this Agreement with respect to any Confidential Information retained subject to clauses (a) or (b). No

license, express or implied, in the Confidential Information is granted to the Recipient other than to use the Confidential Information in the manner and to the extent authorized by this Agreement. Discloser represents and warrants that it is authorized to disclose any Confidential Information it discloses pursuant to this Agreement.

10. Proprietary Rights; Data; Feedback.

10.1. Data Definitions. The following terms will have the stated meanings: “**Customer Contact Data**” means data Motorola collects from Customer, its Authorized Users, and their end users for business contact purposes, including marketing, advertising, licensing and sales purposes; “**Service Use Data**” means data generated by Customer’s use of the Products and Services or by Motorola’s support of the Products and Services, including personal information, product performance and error information, activity logs and date and time of use; “**Customer Data**” means data, information, and content, including images, text, videos, documents, audio, telemetry, location and structured data base records, provided by, through, or on behalf of Customer, its Authorized Users, and their end users through the use of the Products and Services. Customer Data does not include Customer Contact Data, Service Use Data, or information from publicly available sources or other Third-Party Data or Motorola Data; “**Third-Party Data**” means information obtained by Motorola from publicly available sources or its third party content providers and made available to Customer through the Products or Services; “**Motorola Data**” means data owned or licensed by Motorola; “**Feedback**” means comments or information, in oral or written form, given to Motorola by Customer or Authorized Users, including their end users, in connection with or relating to the Products or Services; and “**Process**” or “**Processing**” means any operation or set of operations which is performed on personal information or on sets of personal information, whether or not by automated means, such as collection, recording, copying, analyzing, caching, organization, structuring, storage, adaptation, or alteration, retrieval, consultation, use, disclosure by transmission, dissemination or otherwise making available, alignment or combination, restriction, erasure or destruction.

10.2. Motorola Materials. Customer acknowledges that Motorola may use or provide Customer with access to software, tools, data, and other materials, including designs, utilities, models, methodologies, systems, and specifications, which Motorola has developed or licensed from third parties (including any corrections, bug fixes, enhancements, updates, modifications, adaptations, translations, de-compilations, disassemblies, or derivative works of the foregoing, whether made by Motorola or another party) (collectively, “**Motorola Materials**”). The Products and Services, Motorola Data, Third-Party Data, and Documentation, are considered Motorola Materials. Except when Motorola has expressly transferred title or other interest to Customer by way of an Addendum or Ordering Document, the Motorola Materials are the property of Motorola or its licensors, and Motorola or its licensors retain all right, title and interest in and to the Motorola Materials (including, all rights in patents, copyrights, trademarks, trade names, trade secrets, know-how, other intellectual property and proprietary rights, and all associated goodwill and moral rights). For clarity, this Agreement does not grant to Customer any shared development rights in or to any Motorola Materials or other intellectual property, and Customer agrees to execute any documents and take any other actions reasonably requested by Motorola to effectuate the foregoing. Motorola and its licensors reserve all rights not expressly granted to Customer, and no rights, other than those expressly granted herein, are granted to Customer by implication, estoppel or otherwise. Customer will not modify, disassemble, reverse engineer, derive source code or create derivative works from, merge with other software, distribute, sublicense, sell, or export the Products and Services or other Motorola Materials, or permit any third party to do so.

10.3. Ownership of Customer Data. Customer retains all right, title and interest, including intellectual property rights, if any, in and to Customer Data. Motorola acquires no rights to Customer Data except those rights granted under this Agreement including the right to Process and use the Customer Data as set forth in **Section 10.4 – Processing Customer Data** below and in other applicable Addenda. The Parties agree that with regard to the Processing of personal information which may be part of Customer Data, Customer is the controller and Motorola is the processor, and may engage sub-processors pursuant to **Section 10.4.3 – Sub-processors**.

10.4. Processing Customer Data.

10.4.1. **Motorola Use of Customer Data.** To the extent permitted by law, Customer grants Motorola and its subcontractors a right to use Customer Data and a royalty-free, worldwide, non-exclusive license to use Customer Data (including to process, host, cache, store, reproduce, copy, modify, combine, analyze, create derivative works from such Customer Data and to communicate, transmit, and distribute such Customer Data to third parties engaged by Motorola) to (a) perform Services and provide Products under the Agreement, (b) analyze the Customer Data to operate, maintain, manage, and improve Motorola Products and Services, and (c) create new products and services. Customer agrees that this Agreement, along with the Documentation, are Customer's complete and final documented instructions to Motorola for the processing of Customer Data. Any additional or alternate instructions must be agreed to according to the Change Order process. Customer represents and warrants to Motorola that Customer's instructions, including appointment of Motorola as a processor or sub-processor, have been authorized by the relevant controller.

10.4.2. **Collection, Creation, Use of Customer Data.** Customer further represents and warrants that the Customer Data, Customer's collection, creation, and use of the Customer Data (including in connection with Motorola's Products and Services), and Motorola's use of such Customer Data in accordance with the Agreement, will comply with all laws and will not violate any applicable privacy notices or infringe any third-party rights (including intellectual property and privacy rights). It is Customer's responsibility to obtain all required consents, provided all necessary notices, and meet any other applicable legal requirements with respect to collection and use (including Motorola's use) of the Customer Data as described in the Agreement.

10.4.3. **Sub-processors.** Customer agrees that Motorola may engage sub-processors who in turn may engage additional sub-processors to Process personal data in accordance with this Agreement. When engaging sub-processors, Motorola will enter into agreements with the sub-processors to bind them to data processing obligations to the extent required by law.

10.5. Data Retention and Deletion. Except as expressly provided otherwise under the Agreement, Motorola will delete all Customer Data following termination or expiration of this MCA or the applicable Addendum or Ordering Document, with such deletion to occur no later than ninety (90) days following the applicable date of termination or expiration, unless otherwise required to comply with applicable law. Any requests for the exportation or download of Customer Data must be made by Customer to Motorola in writing before expiration or termination, subject to **Section 13.9 – Notices**. Motorola will have no obligation to retain such Customer Data beyond

expiration or termination unless the Customer has purchased extended storage from Motorola through a mutually executed Ordering Document.

10.6. Service Use Data. Customer understands and agrees that Motorola may collect and use Service Use Data for its own purposes, including the uses described below. Motorola may use Service Use Data to (a) operate, maintain, manage, and improve existing and create new products and services, (b) test products and services, (c) to aggregate Service Use Data and combine it with that of other users, and (d) to use anonymized or aggregated data for marketing, research or other business purposes. Service Use Data may be disclosed to third parties. It is Customer's responsibility to notify Authorized Users of Motorola's collection and use of Service Use Data and to obtain any required consents, provide all necessary notices, and meet any other applicable legal requirements with respect to such collection and use, and Customer represents and warrants to Motorola that it has complied and will continue to comply with this Section.

10.7. Third-Party Data and Motorola Data. Motorola Data and Third-Party Data may be available to Customer through the Products and Services. Customer and its Authorized Users may use Motorola Data and Third-Party Data as permitted by Motorola and the applicable Third-Party Data provider, as described in the applicable Addendum. Unless expressly permitted in the applicable Addendum, Customer will not, and will ensure its Authorized Users will not: (a) use the Motorola Data or Third-Party Data for any purpose other than Customer's internal business purposes; (b) disclose the data to third parties; (c) "white label" such data or otherwise misrepresent its source or ownership, or resell, distribute, sublicense, or commercially exploit the data in any manner; (d) use such data in violation of applicable laws; (e) remove, obscure, alter, or falsify any marks or proprietary rights notices indicating the source, origin, or ownership of the data; or (f) modify such data or combine it with Customer Data or other data or use the data to build databases. Additional restrictions may be set forth in the applicable Addendum. Any rights granted to Customer or Authorized Users with respect to Motorola Data or Third-Party Data will immediately terminate upon termination or expiration of the applicable Addendum, Ordering Document, or this MCA. Further, Motorola or the applicable Third-Party Data provider may suspend, change, or terminate Customer's or any Authorized User's access to Motorola Data or Third-Party Data if Motorola or such Third-Party Data provider believes Customer's or the Authorized User's use of the data violates the Agreement, applicable law or Motorola's agreement with the applicable Third-Party Data provider. Upon termination of Customer's rights to use any Motorola Data or Third-Party Data, Customer and all Authorized Users will immediately discontinue use of such data, delete all copies of such data, and certify such deletion to Motorola. Notwithstanding any provision of the Agreement to the contrary, Motorola will have no liability for Third-Party Data or Motorola Data available through the Products and Services. Motorola and its Third-Party Data providers reserve all rights in and to Motorola Data and Third-Party Data not expressly granted in an Addendum or Ordering Document.

10.8. Feedback. Any Feedback provided by Customer is entirely voluntary, and will not create any confidentiality obligation for Motorola, even if designated as confidential by Customer. Motorola may use, reproduce, license, and otherwise distribute and exploit the Feedback without any obligation or payment to Customer or Authorized Users and Customer represents and warrants that it has obtained all necessary rights and consents to grant Motorola the foregoing rights.

10.9. Improvements; Products and Services. The Parties agree that, notwithstanding any provision of this MCA or the Agreement to the contrary, all fixes, modifications and improvements to the Services or Products conceived of or made by or on behalf of Motorola that are based either in whole or in part on the Feedback, Customer Data, or Service Use Data (or otherwise) are the

exclusive property of Motorola and all right, title and interest in and to such fixes, modifications or improvements will vest solely in Motorola. Customer agrees to execute any written documents necessary to assign any intellectual property or other rights it may have in such fixes, modifications or improvements to Motorola.

11. Force Majeure; Delays Caused by Customer.

11.1. Force Majeure. Except for Customer's payment obligations hereunder, neither Party will be responsible for nonperformance or delayed performance due to events outside of its reasonable control. If performance will be significantly delayed, the affected Party will provide notice to the other Party, and the Parties will agree (in writing) upon a reasonable extension to any applicable performance schedule.

11.2. Delays Caused by Customer. Motorola's performance of the Products and Services will be excused for delays caused by Customer or its Authorized Users or subcontractors, or by failure of any assumptions set forth in this Agreement (including in any Addendum or Ordering Document). In the event of a delay under this **Section 11.2 – Delays Caused by Customer**, (a) Customer will continue to pay the Fees as required hereunder, (b) the Parties will agree (in writing) upon a reasonable extension to any applicable performance schedule, and (c) Customer will compensate Motorola for its out-of-pocket costs incurred due to the delay (including those incurred by Motorola's affiliates, vendors, and subcontractors).

12. Disputes. The Parties will use the following procedure to resolve any disputes relating to or arising out of this Agreement (each, a "**Dispute**"):

12.1. Governing Law. All matters relating to or arising out of the Agreement are governed by the laws of the State of Illinois, unless Customer is the United States Government (or an agency thereof), in which case all matters relating to or arising out of the Agreement will be governed by the laws of the State in which the Products and Services are provided. The terms of the U.N. Convention on Contracts for the International Sale of Goods and the Uniform Computer Information Transactions Act will not apply.

12.2. Negotiation; Mediation. Either Party may initiate dispute resolution procedures by sending a notice of Dispute ("**Notice of Dispute**") to the other Party. The Parties will attempt to resolve the Dispute promptly through good faith negotiations, including timely escalation of the Dispute to executives who have authority to settle the Dispute (and who are at a higher level of management than the persons with direct responsibility for the matter). If a Dispute is not resolved through negotiation, either Party may initiate mediation by sending a notice of mediation ("**Notice of Mediation**") to the other Party. The Parties will choose an independent mediator within thirty (30) days of such Notice of Mediation. Neither Party may unreasonably withhold consent to the selection of a mediator, but if the Parties are unable to agree upon a mediator, either Party may request that the American Arbitration Association nominate a mediator. Each Party will bear its own costs of mediation, but the Parties will share the cost of the mediator equally. Each Party will participate in the mediation in good faith and will be represented at the mediation by a business executive with authority to settle the Dispute. All in person meetings under this **Section 12.2 – Negotiation; Mediation** will take place in Chicago, Illinois, and all communication relating to the Dispute resolution will be maintained in strict confidence by the Parties. Notwithstanding the foregoing, any Dispute arising from or relating to Motorola's intellectual property rights will not be subject to negotiation or mediation in accordance with this Section, but instead will be decided by a court of competent jurisdiction, in accordance with **Section 12.3 – Litigation, Venue, Jurisdiction** below.

12.3. Litigation, Venue, Jurisdiction. If the Dispute has not been resolved by mediation within sixty (60) days from the Notice of Mediation, either Party may submit the Dispute exclusively to a court in Cook County, Illinois. Each Party expressly consents to the exclusive jurisdiction of such courts for resolution of any Dispute and to enforce the outcome of any mediation.

13. General.

13.1. Compliance with Laws. Each Party will comply with applicable laws in connection with the performance of its obligations under this Agreement, including that Customer will ensure its and its Authorized Users' use of the Products and Services complies with law (including privacy laws), and Customer will obtain any FCC and other licenses or authorizations (including licenses or authorizations required by foreign regulatory bodies) required for its and its Authorized Users' use of the Products and Services. Motorola may, at its discretion, cease providing or otherwise modify Products and Services (or any terms related thereto in an Addendum or Ordering Document), in order to comply with any changes in applicable law.

13.2. Audit; Monitoring. Motorola will have the right to monitor and audit use of the Products, which may also include access by Motorola to Customer Data and Service Use Data. Customer will provide notice of such monitoring to its Authorized Users and obtain any required consents, including individual end users, and will cooperate with Motorola in any monitoring or audit. Customer will maintain during the Term, and for two (2) years thereafter, accurate records relating to any software licenses granted under this Agreement to verify compliance with this Agreement. Motorola or a third party ("**Auditor**") may inspect Customer's and, as applicable, Authorized Users' premises, books, and records. Motorola will pay expenses and costs of the Auditor, unless Customer is found to be in violation of the terms of the Agreement, in which case Customer will be responsible for such expenses and costs.

13.3. Assignment and Subcontracting. Neither Party may assign or otherwise transfer this Agreement without the prior written approval of the other Party. Motorola may assign or otherwise transfer this Agreement or any of its rights or obligations under this Agreement without consent (a) for financing purposes, (b) in connection with a merger, acquisition or sale of all or substantially all of its assets, (c) as part of a corporate reorganization, or (d) to a subsidiary corporation. Subject to the foregoing, this Agreement will be binding upon the Parties and their respective successors and assigns.

13.4. Waiver. A delay or omission by either Party to exercise any right under this Agreement will not be construed to be a waiver of such right. A waiver by either Party of any of the obligations to be performed by the other, or any breach thereof, will not be construed to be a waiver of any succeeding breach or of any other obligation. All waivers must be in writing and signed by the Party waiving its rights.

13.5. Severability. If any provision of the Agreement is found by a court of competent jurisdiction to be invalid, illegal, or otherwise unenforceable, such provision will be deemed to be modified to reflect as nearly as possible the original intentions of the Parties in accordance with applicable law. The remaining provisions of this Agreement will not be affected, and each such provision will be valid and enforceable to the full extent permitted by applicable law.

13.6. Independent Contractors. Each Party will perform its duties under this Agreement as an independent contractor. The Parties and their personnel will not be considered to be employees or agents of the other Party. Nothing in this Agreement will be interpreted as granting either Party the right or authority to make commitments of any kind for the other. This Agreement will not

constitute, create, or be interpreted as a joint venture, partnership, or formal business organization of any kind.

13.7. Third-Party Beneficiaries. The Agreement is entered into solely between, and may be enforced only by, the Parties. Each Party intends that the Agreement will not benefit, or create any right or cause of action in or on behalf of, any entity other than the Parties. Notwithstanding the foregoing, a licensor or supplier of third-party software included in the software Products will be a direct and intended third-party beneficiary of this Agreement.

13.8. Interpretation. The section headings in this Agreement are included only for convenience. The words “including” and “include” will be deemed to be followed by the phrase “without limitation”. This Agreement will be fairly interpreted in accordance with its terms and conditions and not for or against either Party.

13.9. Notices. Notices required under this Agreement to be given by one Party to the other must be in writing and either personally delivered or sent to the address provided by the other Party by certified mail, return receipt requested and postage prepaid (or by a recognized courier service, such as FedEx, UPS, or DHL), and will be effective upon receipt.

13.10. Cumulative Remedies. Except as specifically stated in this Agreement, all remedies provided for in this Agreement will be cumulative and in addition to, and not in lieu of, any other remedies available to either Party at law, in equity, by contract, or otherwise. Except as specifically stated in this Agreement, the election by a Party of any remedy provided for in this Agreement or otherwise available to such Party will not preclude such Party from pursuing any other remedies available to such Party at law, in equity, by contract, or otherwise.

13.11. Survival. The following provisions will survive the expiration or termination of this Agreement for any reason: **Section 2.4 – Customer Obligations; Section 3.4 – Effect of Termination or Expiration; Section 4 – Payment and Invoicing; Section 6.5 – Warranty Disclaimer; Section 7.3 – Customer Indemnity; Section 8 – Limitation of Liability; Section 9 – Confidentiality; Section 10 – Proprietary Rights; Data; Feedback; Section 11 – Force Majeure; Delays Caused by Customer; Section 12 – Disputes; and Section 13 – General.**

13.12. Entire Agreement. This Agreement, including all Addenda and Ordering Documents, constitutes the entire agreement of the Parties regarding the subject matter hereto, and supersedes all previous agreements, proposals, and understandings, whether written or oral, relating to this subject matter. This Agreement may be executed in multiple counterparts, and will have the same legal force and effect as if the Parties had executed it as a single document. The Parties may sign in writing or by electronic signature. An electronic signature, facsimile copy, or computer image of a signature, will be treated, and will have the same effect as an original signature, and will have the same effect, as an original signed copy of this document. This Agreement may be amended or modified only by a written instrument signed by authorized representatives of both Parties. The preprinted terms and conditions found on any Customer purchase order, acknowledgment, or other form will not be considered an amendment or modification or part of this Agreement, even if a representative of each Party signs such document.

The Parties hereby enter into this MCA as of the Effective Date.

Motorola: Motorola Solutions, Inc.

Customer: [REDACTED]

By: _____

By: _____

Name: _____

Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

Customer Contact and Payment Milestones Addendum

CUSTOMER CONTACT

INVOICING AND SHIPPING ADDRESSES. Invoices will be sent to the Customer at the following address:

Name:

Address:

Phone:

Email:

The address which is the ultimate destination where the Equipment will be delivered to Customer is:

Name:

Address:

The Equipment will be shipped to the Customer at the following address (insert if this information is known):

Name:

Address:

Phone:

PAYMENT MILESTONES

Contract Price. The Contract Price in U.S. dollars is \$_____.

Except for a payment that is due on the Effective Date, Customer will make payments to Motorola within thirty (30) days after the date of each invoice. Customer will make payments when due in the form of a check, cashier's check, or wire transfer drawn on a U.S. financial institution. If Customer has purchased additional Professional or Subscription services, payment will be in accordance with the applicable addenda. Payment for the System purchase will be in accordance with the below milestones. Motorola shall make partial shipments of equipment and will request payment upon shipment of such equipment

Payment for the System purchase will be in accordance with the following milestones:

Flex Suite:

1. 30% of the Contract Price for Flex Suite due upon Contract Execution (due upon effective date);

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2. 30% of the Contract Price for Flex Suite due upon Delivery of System Hardware & Application of Software;
3. 15% of the Contract Price for Flex Suite due upon Installation;
4. 15% of the Contract Price for Flex Suite due upon Go-Live; and
5. 10% of the Contract Price for Flex Suite due upon Final Acceptance.

Avigilon Video Management Solution:

1. 25% of the Contract Price for Avigilon Access Control due upon Contract Execution (due upon effective date);
2. 45% of the Contract Price for Avigilon Access Control due upon Shipment;
3. 20% of the Contract Price for Avigilon Access Control due upon Installation; and
4. 10% of the Contract Price for Avigilon Access Control due upon Final Acceptance.

Avigilon Access Control Solution:

1. 25% of the Contract Price for Avigilon Access Control due upon Contract Execution (due upon effective date);
2. 45% of the Contract Price for Avigilon Access Control due upon Shipment;
3. 20% of the Contract Price for Avigilon Access Control due upon Installation; and
4. 10% of the Contract Price for Avigilon Access Control due upon Final Acceptance.

Command Central Aware Solution:

1. 25% of the Contract Price for CommandCentral Aware due upon Contract Execution (due upon effective date);
2. 25% of the Contract Price for CommandCentral Aware due upon Shipment;
3. 25% of the Contract Price for CommandCentral Aware due upon Installation; and
4. 25% of the Contract Price for CommandCentral Aware due upon Final Acceptance.

Rave Solution:

1. 100% of year 1 price due upon contract execution.

Years 2-5 of each solution will be invoiced annually in advance of each year of the plan in accordance with Table 5.1.

For Lifecycle Support Plan and Subscription Based Services:

Motorola will invoice Customer annually in advance of each year of the plan, or as otherwise stated in the applicable addenda.

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Equipment Purchase and Software License Addendum

This Equipment Purchase and Software License Addendum (this “**EPSLA**”) is entered into between Motorola Solutions, Inc., with offices at 500 W. Monroe Street, Suite 4400, Chicago, IL 60661 (“**Motorola**”) and the entity set forth in the signature block below or in the MCA (“**Customer**”), and will be subject to, and governed by, the terms of the Motorola Solutions Customer Agreement entered into between the Parties, effective as of [REDACTED] (the “**MCA**”). Capitalized terms used in this EPSLA, but not defined herein, will have the meanings set forth in the MCA.

1. Addendum. This EPSLA governs Customer’s purchase of Equipment and license of Licensed Software (and, if set forth in an Ordering Document, related Services) from Motorola, and will form part of the Parties’ Agreement.

2. Delivery of Equipment and Licensed Software.

2.1. Delivery and Risk of Loss. Motorola will provide to Customer the Products (and, if applicable, related Services) set forth in an Ordering Document, in accordance with the terms of the Agreement. Motorola will, using commercially reasonable practices, pack the ordered Equipment and ship such Equipment to the Customer address set forth in the applicable Ordering Document or otherwise provided by Customer in writing, using a carrier selected by Motorola. Notwithstanding the foregoing, delivery of Equipment (and any incorporated Licensed Software) will occur, and title and risk of loss for the Equipment will pass to Customer, upon shipment by Motorola in accordance with Ex Works, Motorola’s premises (Incoterms 2020). Customer will pay all shipping costs, taxes, and other charges applicable to the shipment and import or export of the Products and Services, as applicable, and Customer will be responsible for reporting the Products for personal property tax purposes. Delivery of Licensed Software for installation on Equipment or Customer-Provided Equipment will occur upon the earlier of (a) electronic delivery of the Licensed Software by Motorola, and (b) the date Motorola otherwise makes the Licensed Software available for download by Customer. If agreed upon in an Ordering Document, Motorola will also provide Services related to such Products.

2.2. Delays. Any shipping dates set forth in an Ordering Document are approximate, and while Motorola will make reasonable efforts to ship Products by any such estimated shipping date, Motorola will not be liable for any delay or related damages to Customer. Time for delivery will not be of the essence, and delays will not constitute grounds for cancellation, penalties, termination, or a refund.

2.3. Beta Services. If Motorola makes any beta version of a software application (“**Beta Service**”) available to Customer, Customer may choose to use such Beta Service at its own discretion, provided, however, that Customer will use the Beta Service solely for purposes of Customer’s evaluation of such Beta Service, and for no other purpose. Customer acknowledges and agrees that all Beta Services are offered “as-is” and without any representations or warranties or other commitments or protections from Motorola. Motorola will determine the duration of the evaluation period for any Beta Service, in its sole discretion, and Motorola may discontinue any Beta Service at any time. Customer acknowledges that Beta Services, by their nature, have not been fully tested and may contain defects or deficiencies.

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3. Licensed Software License and Restrictions.

3.1. Licensed Software License. Subject to Customer's and its Authorized Users' compliance with the Agreement (including payment terms), Motorola hereby grants Customer and its Authorized Users a limited, non-transferable, non-sublicenseable, and non-exclusive license to use the Licensed Software identified in an Ordering Document, in object code form only, and the associated Documentation, solely in connection with the Equipment provided by Motorola or authorized Customer-Provided Equipment (as applicable, the "**Designated Products**") and solely for Customer's internal business purposes. Unless otherwise stated in an Addendum or the Ordering Document, the foregoing license grant will be limited to the number of licenses set forth in the applicable Ordering Document and will continue for the life of the applicable Designated Product. Except as otherwise permitted in an applicable Addendum or Ordering Document, Customer may install, access, and use Licensed Software only in Customer's owned or controlled facilities, including any authorized mobile sites; provided, however, that Authorized Users using authorized mobile or handheld devices may also log into and access the Licensed Software remotely from any location.

3.2. Subscription License Model. If the Parties mutually agree that any Licensed Software purchased under this EPSLA will be replaced with or upgraded to Subscription Software, then upon such time which the Parties execute the applicable Ordering Document, the licenses granted under this EPSLA will automatically terminate, and such Subscription Software will be governed by the terms of the applicable Addendum under this Agreement.

3.3. Customer Restrictions. Customers and Authorized Users will comply with the applicable Documentation in connection with their use of the Products. Customer will not and will not allow others, including the Authorized Users, to: (a) make the Licensed Software available for use by unauthorized third parties, including via a commercial rental or sharing arrangement; (b) reverse engineer, disassemble, or reprogram the Licensed Software or any portion thereof to a human-readable form; (c) modify, create derivative works of, or merge the Licensed Software with other software or equipment; (d) copy, reproduce, distribute, lend, lease, or transfer the Licensed Software or Documentation for or to any third party without the prior express written permission of Motorola; (e) take any action that would cause the Licensed Software or Documentation to be placed in the public domain; (f) use the Licensed Software to compete with Motorola; or (g) remove, alter, or obscure, any copyright or other notice.

3.4. Copies. Customer may make one (1) copy of the Licensed Software solely for archival, back-up, or disaster recovery purposes during the term of the applicable Licensed Software license. Customer may make as many copies of the Documentation reasonably required for the internal use of the Licensed Software during such Licensed Software's license term. Unless otherwise authorized by Motorola in writing, Customer will not, and will not enable or allow any third party to: (a) install a licensed copy of the Licensed Software on more than one (1) unit of a Designated Product; or (b) copy onto or transfer Licensed Software installed in a unit of a Designated Product onto another device. Customer may temporarily transfer Licensed Software installed on a Designated Product to another device if the Designated Product is inoperable or malfunctioning, if Customer provides written notice to Motorola of the temporary transfer and identifies the device on which the Licensed is transferred. Temporary transfer of the Licensed Software to another device must be discontinued when the original Designated Product is returned to operation and the Licensed Software must be removed from the other device. Customer must provide prompt written notice to Motorola at the time temporary transfer is discontinued.

3.5. Resale of Equipment. Equipment contains embedded Licensed Software. If Customer desires to sell its used Equipment to a third party, Customer must first receive prior written authorization from Motorola and obtain written acceptance of the applicable Licensed Software license terms, including the obligation to pay relevant license fees, from such third party.

4. Term.

4.1. Term. The term of this EPSLA (the “**EPSLA Term**”) will commence upon either (a) the Effective Date of the MCA, if this EPSLA is attached to the MCA as of such Effective Date, or (b) the EPSLA Date set forth on the signature page below, if this EPSLA is executed after the MCA Effective Date, and will continue until the later of (i) three (3) years after the first order for Products is placed via an Ordering Document, or (ii) the expiration of all applicable warranty periods (as set forth in **Section 6.1 – Motorola Warranties** below) under this EPSLA, unless this EPSLA or the Agreement is earlier terminated in accordance with the terms of the Agreement.

4.2. Termination. Notwithstanding the termination provisions of the MCA, Motorola may terminate this EPSLA (and any Ordering Documents hereunder) immediately upon notice to Customer if Customer breaches **Section 3 – Licensed Software License and Restrictions** of this EPSLA, or any other provision related to Licensed Software license scope or restrictions set forth in an Ordering Document, EULA, or other applicable Addendum. For clarity, upon termination or expiration of the EPSLA Term, all Motorola obligations under this EPSLA (including with respect to Equipment and Licensed Software delivered hereunder) will terminate. If Customer desires to purchase additional Services in connection with such Equipment or Licensed Software, Customer may enter into a separate Addendum with Motorola, governing such Services. Customer acknowledges that Motorola made a considerable investment of resources in the development, marketing, and distribution of the Licensed Software and Documentation, and that Customer's breach of the Agreement will result in irreparable harm to Motorola for which monetary damages would be inadequate. If Licensee breaches this Agreement, in addition to termination, Motorola will be entitled to all available remedies at law or in equity, including immediate injunctive relief and repossession of all non-embedded Licensed Software and associated Documentation.

4.3. Equipment as a Service. In the event that Customer purchases any Equipment at a price below the MSRP for such Equipment in connection Customer entering into a fixed- or minimum required-term agreement for Subscription Software, and Customer or Motorola terminates the Agreement, this EPSLA, or other applicable Addendum (such as the Addendum governing the purchase of such Subscription Software) prior to the expiration of such fixed- or minimum required-term, then Motorola will have the right to invoice Customer for, and Customer will pay, the amount of the discount to the MSRP for the Equipment or such other amount set forth in the applicable Addendum or Ordering Document. This Section will not limit any other remedies Motorola may have with respect to an early termination.

5. Payment. Customer will pay invoices for the Products and Services provided under this EPSLA in accordance with the invoice payment terms set forth in the MCA. Generally, invoices are issued after shipment of Equipment or upon Motorola's delivery of Licensed Software (in accordance with **Section 2.1 – Delivery and Risk of Loss**), as applicable, but if a specific invoicing or payment schedule is set forth in the applicable Ordering Document, EULA or other Addendum, such schedule will control with respect to the applicable Products and Services referenced therein. Motorola will have the right to suspend future deliveries of Products and Services if Customer fails to make any payments when due.

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6. Representations and Warranties; Liability.

6.1. Motorola Warranties. Subject to the disclaimers and exclusions set forth in the MCA and this EPSLA, (a) for a period of one (1) year commencing upon the delivery of Motorola-manufactured Equipment under **Section 2.1 – Delivery and Risk of Loss**, Motorola represents and warrants that such Motorola-manufactured Equipment, under normal use, will be free from material defects in materials and workmanship; (b) to the extent permitted by the providers of third-party software or hardware included in the Products and Services, Motorola will pass through to Customer any warranties provided by such third parties, which warranties will apply for the period defined by the applicable third party; and (c) for a period of ninety (90) days commencing upon the delivery of Motorola-owned Licensed Software under **Section 2.1 – Delivery and Risk of Loss**, Motorola represents and warrants that such Licensed Software, when used in accordance with the Documentation and the Agreement, will be free from reproducible defects that prevent operation of features critical to the primary functionality or successful operation of the Motorola-developed Licensed Software (as determined by Motorola). The warranty set forth in subsection (c) will be referred to as the “**Motorola Licensed Software Warranty**”. As Customer’s sole and exclusive remedy for any breach of the Motorola Licensed Software Warranty, Motorola will use commercially reasonable efforts to remedy the material defect in the applicable Licensed Software; provided, however, that if Motorola does not remedy such material defect within a reasonable time, then at Motorola’s sole option, Motorola will either replace the defective Licensed Software with functionally-equivalent software, provide substitute software to Customer, or terminate the applicable software license and refund any paid license fees to Customer on a pro-rata basis. For clarity, the Motorola Licensed Software Warranty applies only to the most current version of the Licensed Software issued by Motorola, and issuance of updated versions of any Licensed Software does not result in a renewal or extension of the Motorola Licensed Software Warranty beyond the ninety (90) day warranty period.

6.2. ADDITIONAL EXCLUSIONS. IN ADDITION TO THE EXCLUSIONS FROM DAMAGES SET FORTH IN THE MCA, AND NOTWITHSTANDING ANY PROVISION OF THE AGREEMENT TO THE CONTRARY, MOTOROLA WILL HAVE NO LIABILITY FOR (A) DEFECTS IN OR DAMAGE TO PRODUCTS RESULTING FROM USE OTHER THAN IN THE NORMAL AUTHORIZED MANNER, OR FROM ACCIDENT, LIQUIDS, OR NEGLIGENCE; (B) TESTING, MAINTENANCE, REPAIR, INSTALLATION, OR MODIFICATION BY PARTIES OTHER THAN MOTOROLA; (C) CUSTOMER’S OR ANY AUTHORIZED USER’S FAILURE TO COMPLY WITH INDUSTRY AND OSHA OR OTHER LEGAL STANDARDS; (D) DAMAGE TO RADIO ANTENNAS, UNLESS CAUSED BY DEFECTS IN MATERIAL OR WORKMANSHIP; (E) EQUIPMENT WITH NO SERIAL NUMBER; (F) BATTERIES OR CONSUMABLES; (G) FREIGHT COSTS FOR SHIPMENT TO REPAIR DEPOTS; (H) COSMETIC DAMAGE THAT DOES NOT AFFECT OPERATION; (I) NORMAL WEAR AND TEAR; (J) ISSUES OR OBSOLESCENCE OF LICENSED SOFTWARE DUE TO CHANGES IN CUSTOMER OR AUTHORIZED USER REQUIREMENTS, EQUIPMENT, OR SYSTEMS; (K) TRACKING AND LOCATION-BASED SERVICES; OR (L) BETA SERVICES.

6.3. Voluntary Remedies. Motorola is not obligated to remedy, repair, replace, or refund the purchase price for the disclaimed or excluded issues in the MCA or **Section 6.2 – Additional Exclusions** above, but if Motorola agrees to provide Services to help resolve such issues, Customer will reimburse Motorola for its reasonable time and expenses, including by paying Motorola any Fees set forth in an Ordering Document for such Services, if applicable.

7. Copyright Notices. The existence of a copyright notice on any Licensed Software will not be construed as an admission or presumption of publication of the Licensed Software or public disclosure of any trade secrets associated with the Licensed Software.

8. Survival. The following provisions will survive the expiration or termination of this EPSLA for any reason: **Section 3 – Licensed Software License and Restrictions; Section 4 – Term; Section 5 – Payment; Section 6.2 – Additional Exclusions; Section 8 – Survival.**

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Data Processing Addendum

This Data Processing Addendum, including its Schedules and Annexes (“DPA”), forms part of the Master Customer Agreement (“MCA” or “Agreement”) to reflect the parties’ agreement with regard to the Processing of Customer Data, which may include Personal Data. In the event of a conflict between this DPA, the MCA or any Schedule, Annex or other addenda to the MCA, this DPA must prevail.

When Customer renews or purchases new Products or Services, the then-current DPA must apply and must not change during the applicable Term. When Motorola provides new features or supplements the Product or Service, Motorola may provide additional terms or make updates to this DPA that must apply to Customer’s use of those new features or supplements.

1. Definitions.

All capitalized terms not defined herein must have the meaning set forth in the Agreement.

“**Customer Data**” means data including images, text, videos, and audio, that are provided to Motorola by, through, or on behalf of Customer and its Authorized Users or their end users, through the use of the Products and Services. Customer Data does not include Customer Contact Data, Service Use Data, other than that portion comprised of Personal Information, or Third Party Data.

“**Customer Contact Data**” means data Motorola collects from Customer, its Authorized Users, and their end users for business contact purposes, including without limitation marketing, advertising, licensing, and sales purposes.

“**Data Protection Laws**” means all data protection laws and regulations applicable to a Party with respect to the Processing of Personal Data under the Agreement.

“**Data Subjects**” means the identified or identifiable person to whom Personal Data relates.

“**Metadata**” means data that describes other data.

“**Motorola Data**” means data owned by Motorola and made available to Customer in connection with the Products and Services.

“**Personal Data**” or “**Personal Information**” means any information relating to an identified or identifiable natural person transmitted to Motorola by, through, or on behalf of Customer and its Authorized Users or their end users as part of Customer Data. An identifiable natural person is one who can be identified, directly or indirectly, in particular by reference to an identifier such as a name, an identification number, location data, an online identifier or to one or more factors specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that natural person.

“**Process**” or “**Processing**” means any operation or set of operations which is performed on Personal Data or on sets of Personal Data, whether or not by automated means, such as collection, recording, copying, analyzing, caching, organization, structuring, storage, adaptation, or alteration, retrieval, consultation, use, disclosure by transmission, dissemination or otherwise making available, alignment or combination, restriction, erasure or destruction.

“Security Incident” means an incident leading to the accidental or unlawful destruction, loss, alteration or disclosure of, or access to Customer Data, which may include Personal Data, while processed by Motorola.

“Service Use Data” means data generated about the use of the Products and Services through Customer’s use or Motorola’s support of the Products and Services, which may include Metadata, Personal Data, product performance and error information, activity logs, and date and time of use.

“Sub-processor” means other processors engaged by Motorola to Process Customer Data which may include Personal Data.

“Third Party Data” means information obtained by Motorola from publicly available sources or its third party content providers and made available to Customer through the Products or Services.

2. Processing of Customer Data

2.1. Roles of the Parties. The Parties agree that with regard to the Processing of Personal Data hereunder, Customer is the Controller and Motorola is the Processor who may engage Sub-processors pursuant to the requirements of **Section 6** entitled “Sub-processors” below.

2.2. Motorola’s Processing of Customer Data. Motorola and Customer agree that Motorola may only use and Process Customer Data, including the Personal Information embedded in Service Use Data, in accordance with applicable law and Customer’s documented instructions for the following purposes: (i) to perform Services and provide Products under the Agreement; (ii) analyze Customer Data to operate, maintain, manage, and improve Motorola products and services; and (iii) create new products and services. Customer agrees that its Agreement (including this DPA), along with the Product and Service Documentation and Customer’s use and configuration of features in the Products and Services, are Customer’s complete and final documented instructions to Motorola for the processing of Customer Data. Any additional or alternate instructions must be agreed to according to the process for amending Customer’s Agreement. Customer represents and warrants to Motorola that Customer’s instructions, including appointment of Motorola as a Processor or sub-processor, have been authorized by the relevant controller. Customer Data may be processed by Motorola at any of its global locations and/or disclosed to Subprocessors. It is Customer’s responsibility to notify Authorized Users of Motorola’s collection and use of Customer Data, and to obtain any required consents, provide all necessary notices, and meet any other applicable legal requirements with respect to such collection and use. Customer represents and warrants to Motorola that it has complied with the terms of this provision.

2.3. Details of Processing. The subject-matter of Processing of Personal Data by Motorola hereunder, the duration of the Processing, the categories of Data Subjects and types of Personal Data are set forth on **Annex I** to this DPA.

2.4. Disclosure of Processed Data. Motorola must not disclose to or share any Customer Data with any third party except to Motorola’s sub-processors, suppliers and channel partners as necessary to provide the products and services unless permitted under this Agreement, authorized by Customer or required by law. In the event a government or supervisory authority demands access to Customer Data, to the extent allowable by law, Motorola must provide Customer with notice of receipt of the demand to provide sufficient time for Customer to seek appropriate relief in the relevant jurisdiction. In all circumstances, Motorola retains the right to comply with applicable law. Motorola must ensure that its personnel are subject to a duty of

confidentiality, and will contractually obligate its sub-processors to a duty of confidentiality, with respect to the handling of Customer Data and any Personal Data contained in Service Use Data.

2.5. Customer's Obligations. Customer is solely responsible for its compliance with all Data Protection Laws and establishing and maintaining its own policies and procedures to ensure such compliance. Customer must not use the Products and Services in a manner that would violate applicable Data Protection Laws. Customer must have sole responsibility for (i) the lawfulness of any transfer of Personal Data to Motorola, (ii) the accuracy, quality, and legality of Personal Data provided to Motorola; (iii) the means by which Customer acquired Personal Data, and (iv) the provision of any required notices to, and obtaining any necessary acknowledgements, authorizations or consents from Data Subjects. Customer takes full responsibility to keep the amount of Personal Data provided to Motorola to the minimum necessary for Motorola to perform in accordance with the Agreement. Customer must be solely responsible for its compliance with applicable Data Protection Laws. Customer agrees that it has implemented administrative, physical and technical safeguards for Customer's environment and operations that are no less rigorous than accepted industry practices and shall ensure that all such safeguards comply with applicable data protection and privacy laws. Customer agrees that Motorola shall not be liable for any Security Incident arising from Customer's breach of this requirement.

2.6. Customer Indemnity. Customer will defend, indemnify, and hold Motorola and its subcontractors, subsidiaries and other affiliates harmless from and against any and all damages, losses, liabilities, and expenses (including reasonable fees and expenses of attorneys) arising from any actual or threatened third-party claim, demand, action, or proceeding arising from or related to Customer's failure to comply with its obligations under this Agreement and/or applicable Data Protection Laws. Motorola will give Customer prompt, written notice of any claim subject to the foregoing indemnity. Motorola will, at its own expense, cooperate with Customer in its defense or settlement of the claim.

3. Service Use Data. Except to the extent that it is Personal Information, Customer understands and agrees that Motorola may collect and use Service Use Data for its own purposes, provided that such purposes are compliant with applicable Data Protection Laws. Service Use Data may be processed by Motorola at any of its global locations and/or disclosed to Subprocessors.

4. Third-Party Data and Motorola Data. Motorola Data and Third Party Data may be available to Customer through the Products and Services. Customer and its Authorized Users may use the Motorola Data and Third Party Data as permitted by Motorola and the applicable third-party data provider, as described in the Agreement or applicable Addendum. Unless expressly permitted in the Agreement or applicable Addendum, Customer must not, and must ensure its Authorized Users must not: (a) use the Motorola Data or Third-Party Data for any purpose other than Customer's internal business purposes or disclose the data to third parties; (b) "white label" such data or otherwise misrepresent its source or ownership, or resell, distribute, sublicense, or commercially exploit the data in any manner; (c) use such data in violation of applicable laws ; (d) use such data for activities or purposes where reliance upon the data could lead to death, injury, or property damage; (e) remove, obscure, alter, or falsify any marks or proprietary rights notices indicating the source, origin, or ownership of the data; or (f) modify such data or combine it with Customer Data or other data or use the data to build databases. Additional restrictions may be set forth in the Agreement or applicable Addendum. Any rights granted to Customer or Authorized Users with respect to Motorola Data or Third-Party Data must immediately terminate upon termination or expiration of the applicable Addendum, Ordering Document, or the MCA. Further, Motorola or the applicable Third Party Data provider may

suspend, change, or terminate Customer's or any Authorized User's access to Motorola Data or Third-Party Data if Motorola or such Third Party Data provider believes Customer's or the Authorized User's use of the data violates the Agreement, applicable law or by Motorola's agreement with the applicable Third Party Data provider. Upon termination of Customer's rights to use of any Motorola Data or Third-Party Data, Customer and all Authorized Users must immediately discontinue use of such data, delete all copies of such data, and certify such deletion to Motorola. Notwithstanding any provision of the Agreement to the contrary, Motorola has no liability for Third-Party Data or Motorola Data available through the Products and Services. Motorola and its Third Party Data providers reserve all rights in and to Motorola Data and Third-Party Data not expressly granted in an Addendum or Ordering Document.

5. Motorola as a Controller or Joint Controller. In all instances where Motorola acts as a Controller it must comply with the applicable provisions of the Motorola Privacy Statement at https://www.motorolasolutions.com/en_us/about/privacy-policy.html#privacystatement as each may be updated from time to time. Motorola holds all Customer Contact Data as a Controller and must Process such Customer Contact Data in accordance with the Motorola Privacy Statement. In instances where Motorola is acting as a Joint Controller with Customer, the Parties must enter into a separate addendum to the Agreement to allocate the respective roles as joint controllers.

6. Sub-processors.

6.1. Use of Sub-processors. Customer agrees that Motorola may engage Sub-processors who in turn may engage Sub-processors to Process Personal Data in accordance with the DPA. A current list of Sub-processors is set forth at **Annex III**. When engaging Sub-processors, Motorola must enter into agreements with the Sub-processors to bind them to obligations which are substantially similar or more stringent than those set out in this DPA.

6.2. Changes to Sub-processing. The Customer hereby consents to Motorola engaging Sub-processors to process Customer Data provided that: (i) Motorola must use its reasonable endeavours to provide at least 10 days' prior notice of the addition or removal of any Sub-processor, which may be given by posting details of such addition or removal at a URL provided to Customer in **Annex III**; (ii) Motorola imposes data protection terms on any Sub-processor it appoints that protect the Customer Data to the same standard provided for by this Addendum; and (iii) Motorola remains fully liable for any breach of this clause that is caused by an act, error or omission of its Sub-processor(s). The Customer may object to Motorola's appointment or replacement of a Sub-processor prior to its appointment or replacement, provided such objection is based on reasonable grounds relating to data protection. In such event, Motorola will either appoint or replace the Sub-processor or, if in Motorola's discretion this is not feasible, the Customer may terminate this Agreement and receive a pro-rata refund of any prepaid service or support fees as full satisfaction of any claim arising out of such termination.

6.3. Data Subject Requests. Motorola must, to the extent legally permitted, promptly notify Customer if it receives a request from a Data Subject, including without limitation requests for access to, correction, amendment, transport or deletion of such Data Subject's Personal Data and, to the extent applicable, Motorola must provide Customer with commercially reasonable cooperation and assistance in relation to any complaint, notice, or communication from a Data Subject. Customer must respond to and resolve promptly all requests from Data Subjects which Motorola provides to Customer. Customer must be responsible for any reasonable costs arising from Motorola's provision of such assistance under this Section.

7. Data Transfers

Motorola agrees that it must not make transfers of Personal Data under this Agreement from one jurisdiction to another unless such transfers are performed in compliance with this Addendum and applicable Data Protection Laws. Motorola agrees to enter into appropriate agreements with its affiliates and Sub-processors, which will permit Motorola to transfer Personal Data to its affiliates and Sub-processors. Motorola agrees to amend as necessary its agreement with Customer to permit transfer of Personal Data from Motorola to Customer. Motorola also agrees to assist the Customer in entering into agreements with its affiliates and Sub-processors if required by applicable Data Protection Laws for necessary transfers.

8. Security. Motorola must implement appropriate technical and organizational measures to ensure a level of security appropriate to the risk posed by the Processing of Personal Data, taking into account the costs of implementation; the nature, scope, context, and purposes of the Processing; and the risk of varying likelihood and severity of harm to the data subjects. The appropriate technical and organizational measures implemented by Motorola are set forth in **Annex III**. In assessing the appropriate level of security, Motorola must weigh the risks presented by Processing, in particular from accidental or unlawful destruction, loss, alteration, unauthorized disclosure of, or access to personal data transmitted, stored or otherwise Processed.

9. Security Incident Notification. If Motorola becomes aware of a Security Incident, then Motorola must (i) notify Customer of the Security Incident without undue delay, (ii) investigate the Security Incident and apprise Customer of the details of the Security Incident and (iii) take commercially reasonable steps to stop any ongoing loss of Personal Data due to the Security Incident if in the control of Motorola. Notification of a Security Incident must not be construed as an acknowledgement or admission by Motorola of any fault or liability in connection with the Security Incident. Motorola must make reasonable efforts to assist Customer in fulfilling Customer's obligations under Data Protection Laws to notify the relevant supervisory authority and Data Subjects about such incident.

10. Data Retention and Deletion.

Except for anonymized Customer Data, as described above, or as otherwise provided under the Agreement, Motorola must delete all Customer Data no later than ninety (90) days following termination or expiration of the MCA or the applicable Addendum or Ordering Document unless otherwise required to comply with applicable law.

11. Audit Rights

11.1 Periodic Audit. Motorola will allow Customer to perform an audit of reasonable scope and duration of Motorola operations relevant to the Products and Services purchased under the Agreement, at Customer's sole expense, for verification of compliance with the technical and organizational measures set forth in **Annex II** if (i) Motorola notifies Customer of a Security Incident that results in actual compromise to the Products and/or Services purchased; or (ii) if Customer reasonably believes Motorola is not in compliance with its security commitments under this DPA, or (iii) if such audit is legally required by the Data Protection Laws. Any audit must be conducted in accordance with the procedures set forth in **Section 11.3** of this DPA and may not be conducted more than one time per year. If any such audit requires access to confidential information of Motorola's other customers, suppliers or agents, such portion of the audit may only be conducted by Customer's nationally recognized independent third party auditors in accordance with the procedures set forth in **Section 11.3** of this DPA. Unless mandated by GDPR or

otherwise mandated by law or court order, no audits are allowed within a data center for security and compliance reasons. Motorola must, in no circumstances, provide Customer with the ability to audit any portion of its software, products, and services which would be reasonably expected to compromise the confidentiality of any third party's information or Personal Data.

11.2 Satisfaction of Audit Request. Upon receipt of a written request to audit, and subject to Customer's agreement, Motorola may satisfy such audit request by providing Customer with a confidential copy of a Motorola's applicable most recent third party security review performed by a nationally recognized independent third party auditor, such as a SOC2 Type II report or ISO 27001 certification, in order that Customer may reasonably verify Motorola's compliance with national standards.

11.3 Audit Process. Customer must provide at least sixty days (60) days prior written notice to Motorola of a request to conduct the audit described in **Section 11.1**. All audits must be conducted during normal business hours, at applicable locations or remotely, as designated by Motorola. Audit locations, if not remote will generally be those location(s) where Customer Data is accessed, or Processed. The audit must not unreasonably interfere with Motorola's day to day operations. An audit must be conducted at Customer's sole cost and expense and subject to the terms of the confidentiality obligations set forth in the Agreement. Before the commencement of any such audit, Motorola and Customer must mutually agree upon the time, and duration of the audit. Motorola must provide reasonable cooperation with the audit, including providing the appointed auditor a right to review, but not copy, Motorola security information or materials provided such auditor has executed an appropriate non-disclosure agreement. Motorola's policy is to share methodology and executive summary information, not raw data or private information. Customer must, at no charge, provide to Motorola a full copy of all findings of the audit.

12. Regulation Specific Terms

12.1. HIPAA Business Associate. If Customer is a "covered entity" or a "business associate" and includes "protected health information" in Customer Data as those terms are defined in 45 CFR § 160.103, execution of the MCA includes execution of the Motorola HIPAA Business Associate Agreement Addendum ("BAA"). Customer may opt out of the BAA by sending the following information to Motorola in a written notice under the terms of the Customer's Agreement: "Customer and Motorola agree that no Business Associate Agreement is required. Motorola is not a Business Associate of Customer's, and Customer agrees that it will not share or provide access to Protected Health Information to Motorola or Motorola's subprocessors."

12.2. FERPA. If Customer is an educational agency or institution to which regulations under the Family Educational Rights and Privacy Act, 20 U.S.C. § 1232g (FERPA), apply, Motorola acknowledges that for the purposes of the DPA, Motorola is a "school official" with "legitimate educational interests" in the Customer Data, as those terms have been defined under FERPA and its implementing regulations, and Motorola agrees to abide by the limitations and requirements imposed by 34 CFR 99.33(a) on school officials. Customer understands that Motorola may possess limited or no contact information for Customer's students and students' parents. Consequently, Customer must be responsible for obtaining any parental consent for any end user's use of the Online Service that may be required by applicable law and to convey notification on behalf of Motorola to students (or, with respect to a student under 18 years of age and not in attendance at a post-secondary institution, to the student's parent) of any judicial order or lawfully-issued subpoena requiring the disclosure of Customer Data in Motorola's possession as may be required under applicable law.

12.3. CJIS. Motorola agrees to support the Customer’s obligation to comply with the Federal Bureau of Investigation Criminal Justice Information Services (CJIS) Security Policy and must comply with the terms of the CJIS Security Addendum for the Term of this Agreement and such CJIS Security Addendum is incorporated herein by reference. Customer hereby consents to allow Motorola “screened” personnel as defined by the CJIS Security Policy to serve as an authorized “escort” within the meaning of CJIS Security Policy for escorting unscreened Motorola personnel that require access to unencrypted Criminal Justice Information for purposes of Tier 3 support (e.g. troubleshooting or development resources). In the event Customer requires access to Service Use Data for its compliance with the CJIS Security Policy, Motorola must make such access available following Customer’s request. Notwithstanding the foregoing, in the event the MCA or applicable Ordering Document terminates, Motorola must carry out deletion of Customer Data in compliance with Section 10 herein and may likewise delete Service Use Data within the time frame specified therein. To the extent Customer objects to deletion of its Customer Data or Service Use Data and seeks retention for a longer period, it must provide written notice to Motorola prior to expiration of the 30 day period for data retention to arrange return of the Customer Data and retention of the Service Use Data for a specified longer period of time.

12.4. CCPA / CPRA. If Motorola is Processing Personal Data within the scope of the California Consumer Protection Act (“CCPA”) and/or the California Privacy Rights Act (“CPRA”) (collectively referred to as the “California Privacy Acts”), Customer acknowledges that Motorola is a “Service Provider” within the meaning of California Privacy Acts. Motorola must process Customer Data and Personal Data on behalf of Customer and, not retain, use, or disclose that data for any purpose other than for the purposes set out in this DPA and as permitted under the California Privacy Acts, including under any “sale” exemption. In no event will Motorola sell any such data, nor will M. If a California Privacy Act applies, Personal Data must also include any data identified with the California Privacy Act or Act’s definition of personal data. Motorola shall provide Customer with notice should it determine that it can no longer meet its obligations under the California Privacy Acts, and the parties agree that, if appropriate and reasonable, Customer may take steps necessary to stop and remediate unauthorized use of the impacted Personal Data.

12.5 CPA, CTDPA, VCDPA. If Motorola is Processing Personal Data within the scope of the Colorado Privacy Rights Act (“CPA”), the Connecticut Data Privacy Act (“CTDPA”), or the Virginia Consumer Data Protection Act (“VCDPA”) Motorola will comply with its obligations under the applicable legislation, and shall make available to Customer all information in its possession necessary to demonstrate compliance with obligations in accordance with such legislation.

Motorola Contact. If Customer believes that Motorola is not adhering to its privacy or security obligations hereunder, Customer must contact the Motorola Data Protection Officer at Motorola Solutions, Inc., 500 W. Monroe, Chicago, IL USA 90661-3618 or at privacy1@motorolasolutions.com.

ANNEX I

A. LIST OF PARTIES

Data exporter(s): *[Identity and contact details of the data exporter(s) and, where applicable, of its/their data protection officer and/or representative in the European Union]*

1.

Name: ...

Address: ...

Contact person's name, position and contact details: ...

Activities relevant to the data transferred under these Clauses: ...

Signature and date: ...

Role (controller/processor): Controller

2.

...

Data importer(s): *[Identity and contact details of the data importer(s), including any contact person with responsibility for data protection]*

1.

Name: Motorola Solutions, Inc.

Address: ...

Contact person's name, position and contact details: ...

Activities relevant to the data transferred under these Clauses: ...

Signature and date: ...

Role (controller/processor): Processor

2. ...

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B. DESCRIPTION OF TRANSFER

Categories of data subjects whose personal data is transferred

Data subjects include the data exporter's representatives and end-users including employees, contractors, collaborators, and customers of the data exporter. Data subjects may also include individuals attempting to communicate or transfer personal information to users of the services provided by data importer. Motorola acknowledges that, depending on Customer's use of the Online Service, Customer may elect to include personal data from any of the following types of data subjects in the Customer Data:

- Employees, contractors, and temporary workers (current, former, prospective) of data exporter;
- Dependents of the above;
- Data exporter's collaborators/contact persons (natural persons) or employees, contractors or temporary workers of legal entity collaborators/contact persons (current, prospective, former);
- Users (e.g., customers, clients, patients, visitors, etc.) and other data subjects that are users of data exporter's services;
- Partners, stakeholders or individuals who actively collaborate, communicate or otherwise interact with employees of the data exporter and/or use communication tools such as apps and websites provided by the data exporter;
- Stakeholders or individuals who passively interact with data exporter (e.g., because they are the subject of an investigation, research or mentioned in documents or correspondence from or to the data exporter);
- Minors; or
- Professionals with professional privilege (e.g., doctors, lawyers, notaries, religious workers, etc.).

Categories of personal data transferred

Customer's use of the Products and Services, Customer may elect to include personal data from any of the following categories in the Customer Data:

- Basic personal data (for example place of birth, street name, and house number (address), Agreemental code, city of residence, country of residence, mobile phone number, first name, last name, initials, email address, gender, date of birth), including basic personal data about family members and children;
- Authentication data (for example user name, password or PIN code, security question, audit trail);
- Contact information (for example addresses, email, phone numbers, social media identifiers; emergency contact details);

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- Unique identification numbers and signatures (for example Social Security number, bank account number, passport and ID card number, driver's license number and vehicle registration data, IP addresses, employee number, student number, patient number, signature, unique identifier in tracking cookies or similar technology);
- Pseudonymous identifiers;
- Financial and insurance information (for example insurance number, bank account name and number, credit card name and number, invoice number, income, type of assurance, payment behavior, creditworthiness);
- Commercial Information (for example history of purchases, special offers, subscription information, payment history);
- Biometric Information (for example DNA, fingerprints and iris scans);
- Location data (for example, Cell ID, geo-location network data, location by start call/end of the call. Location data derived from use of wifi access points);
- Photos, video, and audio;
- Internet activity (for example browsing history, search history, reading, television viewing, radio listening activities);
- Device identification (for example IMEI-number, SIM card number, MAC address);
- Profiling (for example based on observed criminal or anti-social behavior or pseudonymous profiles based on visited URLs, click streams, browsing logs, IP-addresses, domains, apps installed, or profiles based on marketing preferences);
- HR and recruitment data (for example declaration of employment status, recruitment information (such as curriculum vitae, employment history, education history details), job and position data, including worked hours, assessments and salary, work permit details, availability, terms of employment, tax details, payment details, insurance details and location, and organizations);
- Education data (for example education history, current education, grades and results, highest degree achieved, learning disability);
- Citizenship and residency information (for example citizenship, naturalization status, marital status, nationality, immigration status, passport data, details of residency or work permit);
- Information processed for the performance of a task carried out in the public interest or in the exercise of an official authority;
- Special categories of data (for example racial or ethnic origin, political opinions, religious or philosophical beliefs, trade union membership, genetic data, biometric data for the purpose of uniquely identifying a natural person, data concerning health, data concerning a natural person's sex life or sexual orientation, or data relating to criminal convictions or offences); or

- Any other personal data identified under applicable law or regulation.

Sensitive data transferred (if applicable) and applied restrictions or safeguards that fully take into consideration the nature of the data and the risks involved, such as for instance strict purpose limitation, access restrictions (including access only for staff having followed specialized training), keeping a record of access to the data, restrictions for onward transfers or additional security measures.

The frequency of the transfer (e.g. whether the data is transferred on a one-off or continuous basis).

Data may be transferred on a continuous basis during the term of the MCA or other agreement to which this DPA applies.

Nature of the processing

The nature, scope and purpose of processing personal data is to carry out performance of Motorola's obligations with respect to provision of the Products and Services purchased under the MCA and applicable Ordering Documents. The data importer utilizes a global network of data centers and management/support facilities, and processing may take place in any jurisdiction where data importer or its sub-processors utilize such facilities

Purpose(s) of the data transfer and further processing

The nature, scope and purpose of processing personal data is to carry out performance of Motorola's obligations with respect to provision of the Products and Services purchased under the MCA and applicable Ordering Documents. The data importer utilizes a global network of data centers and management/support facilities, and processing may take place in any jurisdiction where data importer or its sub-processors utilize such facilities

The period for which the personal data will be retained, or, if that is not possible, the criteria used to determine that period

Data retention is governed by Section 10 of this Data Processing Addendum

For transfers to (sub-) processors, also specify subject matter, nature and duration of the processing

Transfers to sub-processors will only be for carrying out the performance of Motorola's obligations with respect to provision of the Products and Services purchased under the MCA and applicable Ordering Documents. The data importer utilizes a global network of data centers and management/support facilities, and processing may take place in any jurisdiction where data importer or its sub-processors utilize such facilities. In accordance with the DPA, the data exporter agrees the data importer may hire other companies to provide limited services on data importer's behalf, such as providing customer support. Any such sub-processors must be permitted to obtain Customer Data only to deliver the services the data importer has retained them to provide, and they are prohibited from using Customer Data for any other purpose.

ANNEX II

TECHNICAL AND ORGANIZATIONAL MEASURES INCLUDING TECHNICAL AND ORGANIZATIONAL MEASURES TO ENSURE THE SECURITY OF THE DATA

Measures of pseudonymization and encryption of personal data

Where technically feasible and when not impacting services provided:

- We minimize the data we collect to information we believe is necessary to communicate, provide, and support products and services and information necessary to comply with legal obligations.
- We encrypt in transit and at rest.
- We pseudonymize and limit administrative accounts that have access to reverse pseudonymization.

Measures for ensuring ongoing confidentiality, integrity, availability and resilience of processing systems and services

In order to ensure ongoing confidentiality, integrity, availability and resilience of processing systems and services, Motorola Solutions Information Protection policy mandates the institutionalization of information protection throughout solution development and operational lifecycles. Motorola Solutions maintains dedicated security teams for its internal information security and its products and services. Its security practices and policies are integral to its business and mandatory for all Motorola Solutions employees and contractors. The Motorola Chief Information Security Officer maintains responsibility and executive oversight for such policies, including formal governance, revision management, personnel education and compliance. Motorola Solutions generally aligns to the NIST Cybersecurity Framework as well as ISO 27001.

Measures for ensuring the ability to restore the availability and access to personal data in a timely manner in the event of a physical or technical incident

Security Incident Procedures Motorola Solutions maintains a global incident response plan to address any physical or technical incident in an expeditious manner. Motorola maintains a record of security breaches with a description of the breach, the time period, the consequences of the breach, the name of the reporter, and to whom the breach was reported, and the procedure for recovering data. For each security breach that is a Security Incident, notification will be made in accordance with the Security Incident Notification section of this DPA.

Business Continuity and Disaster Preparedness Motorola maintains business continuity and disaster preparedness plans for critical functions and systems within Motorola's control that support the Products and Services purchased under the Agreement in order to avoid services disruptions and minimize recovery risks.

Processes for regularly testing, assessing and evaluating the effectiveness of technical and organizational measures in order to ensure the security of the processing

Motorola periodically evaluates its processes and systems to ensure continued compliance with obligations imposed by law, regulation or contract with respect to the confidentiality, integrity,

availability, and security of Customer Data, including personal information. Motorola documents the results of these evaluations and any remediation activities taken in response to such evaluations. Motorola periodically has third party assessments performed against applicable industry standards, such as ISO 27001, 27017, 27018 and 27701.

Measures for user identification and authorization

Identification and Authentication. Motorola uses industry standard practices to identify and authenticate users who attempt to access Motorola information systems. Where authentication mechanisms are based on passwords, Motorola requires that the passwords are at least eight characters long and are changed regularly. Motorola uses industry standard password protection practices, including practices designed to maintain the confidentiality and integrity of passwords when they are assigned and distributed, and during storage.

Access Policy and Administration. Motorola maintains a record of security privileges of individuals having access to Customer Data, including personal information. Motorola maintains appropriate processes for requesting, approving and administering accounts and access privileges in connection with the Processing of Customer Data. Only authorized personnel may grant, alter or cancel authorized access to data and resources. Where an individual has access to systems containing Customer Data, the individuals are assigned separate, unique identifiers. Motorola deactivates authentication credentials on a periodic basis.

Measures for the protection of data during transmission

Data is generally encrypted during transmission within the Motorola managed environments. Encryption in transit is also generally required of any sub-processors. Further, protection of data in transit is also achieved through the access controls, physical and environmental security, and personnel security described throughout this Annex II.

Measures for the protection of data during storage

Data is generally encrypted during storage within the Motorola managed environments. Encryption in storage is also generally required of any sub-processors. Further, protection of data in storage is also achieved through the access controls, physical and environmental security, and personnel security described throughout this Annex II.

Measures for ensuring physical security of locations at which personal data are processed

Motorola maintains appropriate physical and environment security controls to prevent unauthorized access to Customer Data, including personal information. This includes appropriate physical entry controls to Motorola facilities such as card-controlled entry points, and a staffed reception desk to protect against unauthorized entry. Access to controlled areas within a facility will be limited by job role and subject to authorized approval. Use of an access badge to enter a controlled area will be logged and such logs will be retained in accordance with Motorola policy. Motorola revokes personnel access to Motorola facilities and controlled areas upon separation of employment in accordance with Motorola policies. Motorola policies impose industry standard workstation, device and media controls designed to further protect Customer Data, including personal information.

Measures for ensuring personnel security

Access to Customer Data. Motorola maintains processes for authorizing and supervising its employees, and contractors with respect to monitoring access to Customer Data. Motorola requires its employees, contractors and agents who have, or may be expected to have, access to Customer Data to comply with the provisions of the Agreement, including this Annex and any other applicable agreements binding upon Motorola.

Security and Privacy Awareness. Motorola must ensure that its employees and contractors remain aware of industry standard security and privacy practices, and their responsibilities for protecting Customer Data and Personal Data. This must include, but not be limited to, protection against malicious software, password protection, and management, and use of workstations and computer system accounts. Motorola requires periodic Information security training, privacy training, and business ethics training for all employees and contract resources

Sanction Policy. Motorola maintains a sanction policy to address violations of Motorola's internal security requirements as well as those imposed by law, regulation, or contract.

Background Checks. Motorola follows its standard mandatory employment verification requirements for all new hires. In accordance with Motorola internal policy, these requirements must be periodically reviewed and include, but may not be limited to, criminal background checks, proof of identity validation and any additional checks as deemed necessary by Motorola.

Measures for ensuring events logging

Protection, and Response. Motorola assesses organization's effectiveness annually via external assessors who report and share the assessment findings with Motorola Audit Services who tracks any identified remediations. For more information, please see the Motorola Trust Center at https://www.motorolasolutions.com/en_us/about/trust-center/security.html

Measures for certification/assurance of processes and products

Motorola performs internal Secure Application Review and Secure Design Review security audits and Production Readiness Review security readiness reviews prior to service release. Where appropriate, privacy assessments are performed for Motorola's products and services. A risk register is created as a result of internal audits with assignments tasked to appropriate personnel. Security audits are performed annually with additional audits as needed. Additional privacy assessments, including updated data maps, occur when material changes are made to the products or services. Further, Motorola Solution has achieved AICPA SOC2 Type 2 reporting and ISO/IEC 27001:2013 certification for many of its development and support operations.

Measures for ensuring data minimization

Motorola Solutions policies require processing of all personal information in accordance with applicable law, including when that law requires data minimization. Further, Motorola Solutions

conducts privacy assessments of its products and services and evaluates if those products and services support the principles of processing, such as data minimization.

Measures for ensuring data quality

Motorola Solutions policies require processing of all personal information in accordance with applicable law, including when that law requires ensuring the quality and accuracy of data. Further, Motorola Solutions conducts privacy assessments of its products and services and evaluates if those products and services support the principles of processing, such as ensuring data quality.

Measures for ensuring limited data retention

Motorola Solutions maintains a data retention policy that provides a retention schedule outlining storage periods for personal data. The schedule is based on business needs and provides sufficient information to identify all records and to implement disposal decisions in line with the schedule. The policy is periodically reviewed and updated.

Measures for ensuring accountability

To ensure compliance with the principle of accountability, Motorola Solutions maintains a Privacy Program which generally aligns its activities to both the Nymity Privacy Management and Accountability Framework and NIST Privacy Framework. The Privacy Program is audited annually by Motorola Solutions Audit Services.

Measures for allowing data portability and ensuring erasure

When subject to a data subject request to move, copy or transfer their personal data, Motorola Solutions will provide personal data to the Controller in a structured, commonly used and machine readable format. Where possible and if the Controller requests it, Motorola Solutions can directly transmit the personal information to another organization.

For transfers to (sub-) processors

If, in the course of providing products and services under the MCA, Motorola Solutions transfers information containing personal data to third parties, said third parties will be subjected to a security assessment and bound by obligations substantially similar, but at least as stringent, as those included in this DPA.

ANNEX III

LIST OF SUB-PROCESSORS

EXPLANATORY NOTE:

This Annex must be completed in case of the specific authorization of sub-processors. The controller has authorized the use of the following sub-processors:

1.

Name: ...

Description of processing (including a clear delimitation of responsibilities in case several sub-processors are authorized): ...

2.

...

Software Products Addendum

This Software Products Addendum (this “**SPA**”) is entered into between Motorola Solutions, Inc., with offices at 500 W. Monroe Street, Suite 4400, Chicago, IL 60661 (“**Motorola**”) and the entity set forth in the signature block below or in the MCA (“**Customer**”), and will be subject to, and governed by, the terms of the Motorola Solutions Customer Agreement entered into between the Parties, effective as of [REDACTED] (the “**MCA**”), and the applicable Addenda. Capitalized terms used in this SPA, but not defined herein, will have the meanings set forth in the MCA or the applicable Addenda.

1. Addendum. This SPA governs Customer’s purchase of certain Motorola software Products, including Software Systems, and will form part of the Parties’ Agreement. A “**Software System**” is a solution that includes at least one command center software Product and requires Integration Services to deploy such software Product at a Customer Site or onto any Customer-Provided Equipment or Equipment provided to Customer. In addition to the MCA, other Addenda may be applicable to the Software System or other software Products, including the Subscription Software Addendum (“**SSA**”), with respect to Subscription Software, and the Equipment Purchase and Software License Addendum (“**EPSLA**”), with respect to Licensed Software and Equipment, as further described below. This SPA will control with respect to conflicting or ambiguous terms in the MCA or any other applicable Addendum, but only as applicable to the Software System or other software Products purchased under this SPA and not with respect to other Products and Services.

2. Software Systems; Applicable Terms and Conditions.

2.1. On-Premise Software System. If Customer purchases an “on-premises Software System,” where Equipment and Licensed Software are installed at Customer Sites or on Customer-Provided Equipment, then, unless the Ordering Document(s) specify that any software is being purchased on a subscription basis (i.e., as Subscription Software), such Equipment and Licensed Software installed at Customer Sites or on Customer-Provided Equipment are subject to the EPSLA. On-premises Software Systems described in this Section qualify for the System Warranty as described in **Section 5 – On-Premises Software System Warranty** (the “**System Warranty**”). In connection with the on-premises Software System, Customer may also purchase additional Subscription Software that integrates with its on-premises Software System (e.g., CommandCentral Aware) (each, an “**Add-On Subscription**”). Any Add-On Subscription will be subject to the terms and conditions of the SSA and excluded from the System Warranty.

2.2. On-Premise Software System as a Service. If Customer purchases an “on-premises Software System as a service,” where Equipment and software Products are installed at Customer Sites or on Customer-Provided Equipment, and such software is generally licensed on a subscription basis (i.e., as Subscription Software), then such Subscription Software will be subject to the SSA and not the EPSLA. Any (a) Equipment purchased, (b) firmware preinstalled on such Equipment, and (c) Microsoft operating system Licensed Software are subject to the EPSLA. On-premises Software Systems as a service described in this Section are provided as a service and, accordingly, do not qualify for the System Warranty. System completion, however, is determined in accordance with the provisions of **Section 3 – Software System Completion** below.

2.3. Cloud Hosted Software System. If Customer purchases a “cloud hosted Software System,” where the applicable software is hosted in a data center and provided to Customer as a service (i.e., as hosted Subscription Software), including CommandCentral Products, then such

Subscription Software is subject to the SSA. Any Equipment purchased in connection with a cloud Software System is subject to the EPSLA. Cloud hosted Software Systems described in this Section do not qualify for the System Warranty. System completion, however, is determined in accordance with the provisions of **Section 3 – Software System Completion** below.

2.4. Services. Any Integration Services or Maintenance and Support Services purchased in connection with, or included as a part of, a Software System are subject to the MCA, and as described in the applicable Ordering Document.

3. Software System Completion. Any Software System described in an Ordering Document hereunder (including the Products, Integration Services, and all other components thereof) will be deemed completed upon Customer's (or the applicable Authorized User's) Beneficial Use of each Product that is included in the Software System (unless alternative acceptance procedures are set forth in the applicable Ordering Document) (the "**System Completion Date**"). Customer will not unreasonably delay Beneficial Use of any Product within a Software System, and in any event, the Parties agree that Beneficial Use of a Product will be deemed to have occurred thirty (30) days after functional demonstration. For clarity, if a Software System is comprised of more than one Product, Motorola may notify Customer that all Integration Services for a particular Product within the Software System have been completed, and Customer may have Beneficial Use of such Product prior to having Beneficial Use of other Products in the Software System, or of the Software System as a whole. In such case, the Integration Services applicable to such Product will be deemed complete upon Customer's Beneficial Use of the Product ("**Product Completion Date**"), which may occur before the System Completion Date. As used in this Section, "**Beneficial Use**" means use by Customer or at least one (1) Authorized User of the material features and functionalities of a Product within a Software System, in material conformance with Product descriptions in the applicable Ordering Document. This Section applies to Products purchased as part of a Software System notwithstanding the delivery provisions of the Addendum applicable to such Products, such as the SSA or EPSLA, and this Section will control over such other delivery provisions to the extent of a conflict.

4. Payment. Customer will pay invoices for the Products and Services covered by this SPA in accordance with the invoice payment terms set forth in the MCA. Fees for Software Systems will be invoiced as of the System Completion Date, unless another payment process or schedule or milestones are set forth in an Ordering Document or applicable Addendum. In addition to Equipment, Licensed Software, Subscription Software and Integration Services (as applicable) sold as part of a Software System, the Ordering Documents for a Software System may also include post-deployment Integration Services or other Services which are to be provided following the date of functional demonstration ("**Post-Deployment Services**"). Post-Deployment Services will be invoiced upon their completion and paid by Customer in accordance with the terms of the MCA.

5. On-Premises Software System Warranty. Subject to the disclaimers in the MCA and any other applicable Addenda, Motorola represents and warrants that, on the System Completion Date for an on-premises Software System described in **Section 2.1 – On-Premises Software System**, or on the applicable Product Completion Date for a specific Product within such on-premises Software System, if earlier, (a) such Software System or Product will perform in accordance with the descriptions in the applicable Ordering Documents in all material respects, and (b) if Customer has purchased any Equipment or Motorola Licensed Software (but, for clarity, excluding Subscription Software) as part of such on-premises Software System, the warranty period applicable to such Equipment and Motorola Licensed Software will continue for a period of one (1) year commencing upon the System Completion Date for the Software System that

includes such Products, or on the applicable Product Completion Date, if earlier, instead of commencing upon delivery of the Products in accordance with the terms and conditions set forth in **Section 6 – Representations and Warranties; Liabilities** of the EPSLA. The warranties set forth in the applicable Addenda are not otherwise modified by this SPA.

6. Prohibited Use. Customer will not integrate or use, or permit a third party or an Authorized User to integrate or use, any Non-Motorola Content with or in connection with a Software System or other software Product provided by Motorola under this SPA, without the express written permission of Motorola.

7. API Support. Motorola will use commercially reasonable efforts to maintain its Application Programming Interface (“API”) offered sold in connection with any Software System. APIs will evolve and mature over time, requiring changes and updates. Motorola will use reasonable efforts to continue supporting any version of an API for 6 months after such version is introduced, but if Motorola determines, in its sole discretion, to discontinue support of an API for any reason, Motorola will provide reasonable advance notification to Customer. If an API presents a security risk, Motorola may discontinue an API without prior notice.

8. Support of Downloaded Clients. If Customer purchases any software Product that requires a client installed locally on any Customer-Provided Equipment or Equipment in possession of Customer, Customer will be responsible for downloading and installing the current version of such client, as it may be updated from time to time. Motorola will use reasonable efforts to continue supporting any version of a client for forty-five (45) days following its release, but Motorola may update the current version of its client at any time, including for bug fixes, product improvements, and feature updates, and Motorola makes no representations or warranties that any software Product will support prior versions of a client.

9. Applicable End User Terms. Additional license terms apply to third-party software included in certain software Products which are available online at www.motorolasolutions.com/legal-flow-downs. Customer will comply, and ensure its Authorized Users comply, with all such additional license terms.

10. Additional Terms for On-Premise Software System as a Service. The terms set forth in this **Section 10 – Additional Terms for On-Premise Software System as a Service** apply in the event Customer purchases an on-premises Software System as a service under this SPA.

10.1. Transition to Subscription License Model. If the Parties mutually agree that any on-premises Subscription Software purchased under this SPA as part of an on-premises Software System as a service will be replaced with or upgraded to Subscription Software hosted in a data center, then upon such time which the Parties execute the applicable Ordering Document, (a) the licenses granted to such on-premises Subscription Software under the applicable Ordering Document will automatically terminate, (b) Customer and its Authorized Users will cease use of the applicable on-premises copies of Subscription Software, and (c) the replacement hosted Subscription Software provided hereunder will be governed by the terms of the SSA and this SPA.

10.2. Transition Fee. Motorola will not charge additional Fees for Services related to the transition to hosted Subscription Software, as described in **Section 10.1 – Transition to Subscription License Model**. Notwithstanding the foregoing, subscription Fees for the applicable hosted Subscription Software are subject to the SSA and the applicable Ordering Document, and may be greater than Fees paid by Customer for on-premises Subscription Software.

10.3. Software Decommissioning. Upon (a) transition of the on-premises Software System as a service to Subscription Software hosted in a data center or (b) any termination of the Subscription Software license for the on-premises Software System as a service, Motorola will have the right to enter Customer Sites and decommission the applicable on-premises Subscription Software that is installed at Customer's Site or on Customer-Provided Equipment. For clarity, Customer will retain the right to use Licensed Software that is firmware incorporated into Equipment purchased by Customer from Motorola and any Microsoft operating system Licensed Software.

11. Additional Terms for CAD and Records Products. The terms set forth in this **Section 11 – Additional Terms for CAD and Records Products** apply in the event Customer purchases any Computer Aided Dispatch (“**CAD**”) or Records Products under this SPA.

11.1. Support Required. Customer acknowledges and agrees that the licenses granted by Motorola under the Agreement to CAD and Records Products for on-premises Software Systems are conditioned upon Customer purchasing Maintenance and Support Services for such Products during the term of the applicable license. If at any time during the term of any such license, Customer fails to purchase associated Maintenance and Support Services (or pay the fees for such Services), Motorola will have the right to terminate or suspend the software licenses for CAD and Record Products, and this SPA or the applicable Ordering Document.

11.2. CJIS Security Policy. Motorola agrees to support Customer's obligation to comply with the Federal Bureau of Investigation Criminal Justice Information Services (“**CJIS**”) Security Policy and will comply with the terms of the CJIS Security Addendum for the term of the Addendum or Ordering Document for the applicable Product. Customer hereby consents to Motorola screened personnel serving as the “escort” within the meaning of CJIS Security Policy for unscreened Motorola personnel that require access to unencrypted Criminal Justice Information for purposes of Product support and development.

12. Additional Cloud Terms. The terms set forth in this **Section 12 – Additional Cloud Terms** apply in the event Customer purchases any cloud-hosted software Products.

12.1. Data Storage. Motorola will determine, in its sole discretion, the location of the stored content for cloud hosted software Products. All data, replications, and backups will be stored at a location in the United States for Customers in the United States.

12.2. Data Retrieval. Cloud hosted software Products will leverage different types of storage to optimize software, as determined in Motorola's sole discretion. For multimedia data, such as videos, pictures, audio files, Motorola will, in its sole discretion, determine the type of storage medium used to store the content. The type of storage and medium selected by Motorola will determine the data retrieval speed. Access to content in archival storage may take up to twenty-four (24) hours to be viewable.

12.3. Availability. Motorola will make reasonable efforts to provide monthly availability of 99.9% for cloud hosted software Products with the exception of maintenance windows. There are many factors beyond Motorola's control that may impact Motorola's ability to achieve this goal.

12.4. Maintenance. Scheduled maintenance of cloud-hosted software Products will be performed periodically. Motorola will make commercially reasonable efforts to notify customers one (1) week in advance of any such maintenance. Unscheduled and emergency maintenance may be required from time to time. Motorola will make commercially reasonable efforts to notify customers of any unscheduled or emergency maintenance twenty-four (24) hours in advance.

13. Survival. The following provisions will survive the expiration or termination of this SPA for any reason: **Section 1 – Addendum; Section 2 – Software Systems; Applicable Terms and Conditions; Section 6 – Prohibited Use; Section 9 – Applicable End User Terms; Section 13 – Survival.**

Subscription Software Addendum

This Subscription Software Addendum (this “**SSA**”) is entered into between Motorola Solutions, Inc., with offices at 500 W. Monroe Street, Suite 4400, Chicago, IL 60661 (“**Motorola**”) and the entity set forth in the signature block below or in the MCA (“**Customer**”), and will be subject to, and governed by, the terms of the Motorola Solutions Customer Agreement entered into between the Parties, effective as of [REDACTED] (the “**MCA**”). Capitalized terms used in this SSA, but not defined herein, will have the meanings set forth in the MCA.

1. Addendum. This SSA governs Customer’s purchase of Subscription Software (and, if set forth in an Ordering Document, related Services) from Motorola, and will form part of the Parties’ Agreement. Additional Subscription Software-specific Addenda or other terms and conditions may apply to certain Subscription Software, where such terms are provided or presented to Customer.

2. Delivery of Subscription Software.

2.1. Delivery. During the applicable Subscription Term (as defined below), Motorola will provide to Customer the Subscription Software set forth in an Ordering Document, in accordance with the terms of the Agreement. Motorola will provide Customer advance notice (which may be provided electronically) of any planned downtime. Delivery will occur upon Customer’s receipt of credentials required for access to the Subscription Software or upon Motorola otherwise providing access to the Subscription Software. If agreed upon in an Ordering Document, Motorola will also provide Services related to such Subscription Software.

2.2. Modifications. In addition to other rights to modify the Products and Services set forth in the MCA, Motorola may modify the Subscription Software, any associated recurring Services and any related systems so long as their functionality (as described in the applicable Ordering Document) is not materially degraded. Documentation for the Subscription Software may be updated to reflect such modifications. For clarity, new features or enhancements that are added to any Subscription Software may be subject to additional Fees.

2.3. User Credentials. If applicable, Motorola will provide Customer with administrative user credentials for the Subscription Software, and Customer will ensure such administrative user credentials are accessed and used only by Customer’s employees with training on their proper use. Customer will protect, and will cause its Authorized Users to protect, the confidentiality and security of all user credentials, including any administrative user credentials, and maintain user credential validity, including by updating passwords. Customer will be liable for any use of the Subscription Software through such user credential (including through any administrative user credentials), including any changes made to the Subscription Software or issues or user impact arising therefrom. To the extent Motorola provides Services to Customer in order to help resolve issues resulting from changes made to the Subscription Software through user credentials, including through any administrative user credentials, or issues otherwise created by Authorized Users, such Services will be billed to Customer on a time and materials basis, and Customer will pay all invoices in accordance with the payment terms of the MCA.

2.4. Beta Services. If Motorola makes any beta version of a software application (“**Beta Service**”) available to Customer, Customer may choose to use such Beta Service at its own discretion, provided, however, that Customer will use the Beta Service solely for purposes of Customer’s evaluation of such Beta Service, and for no other purpose. Customer acknowledges and agrees that all Beta Services are offered “as-is” and without any representations or warranties or other commitments or protections from Motorola. Motorola will determine the duration of the

evaluation period for any Beta Service, in its sole discretion, and Motorola may discontinue any Beta Service at any time. Customer acknowledges that Beta Services, by their nature, have not been fully tested and may contain defects or deficiencies.

3. Subscription Software License and Restrictions.

3.1. Subscription Software License. Subject to Customer's and its Authorized Users' compliance with the Agreement, including payment terms, Motorola hereby grants Customer and its Authorized Users a limited, non-transferable, non-sublicenseable, and non-exclusive license to use the Subscription Software identified in an Ordering Document, and the associated Documentation, solely for Customer's internal business purposes. The foregoing license grant will be limited to use in the territory and to the number of licenses set forth in an Ordering Document (if applicable), and will continue for the applicable Subscription Term. Customer may access, and use the Subscription Software only in Customer's owned or controlled facilities, including any authorized mobile sites; provided, however, that Authorized Users using authorized mobile or handheld devices may also log into and access the Subscription Software remotely from any location. No custom development work will be performed under this Addendum.

3.2. End User Licenses. Motorola may use, engage, resell, or otherwise interface with third-party software, hardware or services providers (such as, for example, third-party end point detection and response providers) and other sub-processors, who in turn may engage additional sub-processors to process personal data and other Customer Data. Customer agrees that such third-party software or services providers, sub-processors or their respective sub-processors may process and use personal and other Customer Data in accordance with and subject to their own respective licenses or terms and in accordance with applicable law. Customer authorizes and will provide and obtain all required notices and consents, if any, and comply with other applicable legal requirements, if any, with respect to such collection and use of personal data and other Customer Data by Motorola, and its subcontractors, sub-processors and/or third-party software, hardware or services providers. Notwithstanding any provision to the contrary, to the extent the use or performance of certain Services is governed by any separate license, data requirement, EULA, privacy statement, or other applicable agreement, including terms governing third-party software, hardware or services, including open source software, Customer will comply, and ensure its Authorized Users comply, with any such agreements or terms, which shall govern any such Services.

3.3. Customer Restrictions. Customers and Authorized Users will comply with the applicable Documentation and the copyright laws of the United States and all other relevant jurisdictions (including the copyright laws where Customer uses the Subscription Software) in connection with their use of the Subscription Software. Customer will not, and will not allow others including the Authorized Users, to make the Subscription Software available for use by unauthorized third parties, including via a commercial rental or sharing arrangement; reverse engineer, disassemble, or reprogram software used to provide the Subscription Software or any portion thereof to a human-readable form; modify, create derivative works of, or merge the Subscription Software or software used to provide the Subscription Software with other software; copy, reproduce, distribute, lend, or lease the Subscription Software or Documentation for or to any third party; take any action that would cause the Subscription Software, software used to provide the Subscription Software, or Documentation to be placed in the public domain; use the Subscription Software to compete with Motorola; remove, alter, or obscure, any copyright or other notice; share user credentials (including among Authorized Users); use the Subscription Software to store or transmit malicious code; or attempt to gain unauthorized access to the Subscription Software or its related systems or networks.

4. Term.

4.1. Subscription Terms. The duration of Customer's subscription to the first Subscription Software and any associated recurring Services ordered under this SSA (or the first Subscription Software or recurring Service, if multiple are ordered at once) will commence upon delivery of such Subscription Software (and recurring Services, if applicable) and will continue for a twelve (12) month period or such longer period identified in an Ordering Document (the "**Initial Subscription Period**"). Following the Initial Subscription Period, Customer's subscription to the Subscription Software and any recurring Services will automatically renew for additional twelve (12) month periods (each, a "**Renewal Subscription Year**"), unless either Party notifies the other Party of its intent not to renew at least thirty (30) days before the conclusion of the then-current Subscription Term. (The Initial Subscription Period and each Renewal Subscription Year will each be referred to herein as a "**Subscription Term**".) Motorola may increase Fees prior to any Renewal Subscription Year. In such case, Motorola will notify Customer of such proposed increase no later than thirty (30) days prior to commencement of such Renewal Subscription Year. Unless otherwise specified in the applicable Ordering Document, if Customer orders any additional Subscription Software or recurring Services under this SSA during an in-process Subscription Term, the subscription for each new Subscription Software or recurring Service will (a) commence upon delivery of such Subscription Software or recurring Service, and continue until the conclusion of Customer's then-current Subscription Term (a "**Partial Subscription Year**"), and (b) automatically renew for Renewal Subscription Years thereafter, unless either Party notifies the other Party of its intent not to renew at least thirty (30) days before the conclusion of the then-current Subscription Term. Thus, unless otherwise specified in the applicable Ordering Document, the Subscription Terms for all Subscription Software and recurring Services hereunder will be synchronized.

4.2. Term. The term of this SSA (the "**SSA Term**") will commence upon either (a) the Effective Date of the MCA, if this SSA is attached to the MCA as of such Effective Date, or (b) the SSA Date set forth on the signature page below, if this SSA is executed after the MCA Effective Date, and will continue until the expiration or termination of all Subscription Terms under this SSA, unless this SSA or the Agreement is earlier terminated in accordance with the terms of the Agreement.

4.3. Termination. Notwithstanding the termination provisions of the MCA, Motorola may terminate this SSA (or any Addendum or Ordering Documents hereunder), or suspend delivery of Subscription Software or Services, immediately upon notice to Customer if (a) Customer breaches **Section 3 – Subscription Software License and Restrictions** of this SSA, or any other provision related to Subscription Software license scope or restrictions set forth in an Addendum or Ordering Document, or (b) it determines that Customer's use of the Subscription Software poses, or may pose, a security or other risk or adverse impact to any Subscription Software, Motorola, Motorola's systems, or any third party (including other Motorola customers). Customer acknowledges that Motorola made a considerable investment of resources in the development, marketing, and distribution of the Subscription Software and Documentation, and that Customer's breach of the Agreement will result in irreparable harm to Motorola for which monetary damages would be inadequate. If Customer breaches this Agreement, in addition to termination, Motorola will be entitled to all available remedies at law or in equity (including immediate injunctive relief).

4.4. Wind Down of Subscription Software. In addition to the termination rights in the MCA, Motorola may terminate any Ordering Document and Subscription Term, in whole or in part, in

the event Motorola plans to cease offering the applicable Subscription Software or Service to customers.

5. Payment.

5.1. Payment. Unless otherwise provided in an Ordering Document (and notwithstanding the provisions of the MCA), Customer will prepay an annual subscription Fee set forth in an Ordering Document for each Subscription Software and associated recurring Service, before the commencement of each Subscription Term. For any Partial Subscription Year, the applicable annual subscription Fee will be prorated based on the number of months in the Partial Subscription Year. The annual subscription Fee for Subscription Software and associated recurring Services may include certain one-time Fees, such as start-up fees, license fees, or other fees set forth in an Ordering Document. Motorola will have the right to suspend the Subscription Software and any recurring Services if Customer fails to make any payments when due. The parties acknowledge that pricing for Cyber Services is dependent on the full term or subscription periods specified in any such Ordering Document. Motorola will have the right to suspend the Services if Customer fails to make any payments when due

5.2. License True-Up. Motorola will have the right to conduct an audit of total user licenses credentialed by Customer for any Subscription Software during a Subscription Term, and Customer will cooperate with such audit. If Motorola determines that Customer's usage of the Subscription Software during the applicable Subscription Term exceeded the total number of licenses purchased by Customer, Motorola may invoice Customer for the additional licenses used by Customer, pro-rated for each additional license from the date such license was activated, and Customer will pay such invoice in accordance with the payment terms in the MCA.

5.3. Customer Data. For avoidance of doubt, for Cyber Services so long as not specifically identifying the Customer, "Customer Data," as defined in the MCA, shall not include, and Motorola shall be free to use, share and leverage security threat intelligence and mitigation data generally, including without limitation, third party threat vectors and IP addresses, file hash information, domain names, malware signatures and information, information obtained from third party sources, indicators of compromise, and tactics, techniques, and procedures used, learned or developed in the course of providing Services

5.4. Future Regulatory Requirements. The Parties acknowledge and agree that Cyber Service is an evolving technological area and therefore, laws and regulations regarding Services may change. Changes to existing Services required to achieve regulatory compliance may be available for an additional fee. Any required changes may also impact the price for Services.

6. Liability.

6.1. ADDITIONAL EXCLUSIONS. IN ADDITION TO THE EXCLUSIONS FROM DAMAGES SET FORTH IN THE MCA, AND NOTWITHSTANDING ANY PROVISION OF THE AGREEMENT TO THE CONTRARY, MOTOROLA WILL HAVE NO LIABILITY FOR (A) INTERRUPTION OR FAILURE OF CONNECTIVITY, VULNERABILITIES, OR SECURITY EVENTS; (B) DISRUPTION OF OR DAMAGE TO CUSTOMER'S OR THIRD PARTIES' SYSTEMS, EQUIPMENT, OR DATA, INCLUDING DENIAL OF ACCESS TO USERS, OR SHUTDOWN OF SYSTEMS CAUSED BY INTRUSION DETECTION SOFTWARE OR HARDWARE; (C) AVAILABILITY OR ACCURACY OF ANY DATA AVAILABLE THROUGH THE SUBSCRIPTION SOFTWARE OR SERVICES, OR INTERPRETATION, USE, OR MISUSE THEREOF; (D) TRACKING AND LOCATION-BASED SERVICES; OR (E) BETA SERVICES.

6.2. Direct Damages. For avoidance of doubt, notwithstanding the limitation set out in Section 8.2 of the MCA, the direct damages limitation for Cyber services provided under this SSA and limited to the fees, or the portion of fees, relating only to the Cyber Security Services under this SSA, even if such Services are offered or bundled with other Motorola services.

6.3. Voluntary Remedies. Motorola is not obligated to remedy, repair, replace, or refund the purchase price for the disclaimed or excluded issues in the MCA or **Section 6.1 – Additional Exclusions** above, but if Motorola agrees to provide Services to help resolve such issues, Customer will reimburse Motorola for its reasonable time and expenses, including by paying Motorola any Fees set forth in an Ordering Document for such Services, if applicable.

7. Motorola as a Controller or Joint Controller. In all instances where Motorola acts as a controller of data, it will comply with the applicable provisions of the Motorola Privacy Statement at https://www.motorolasolutions.com/en_us/about/privacy-policy.html#privacystatement, as may be updated from time to time. Motorola holds all Customer Contact Data as a controller and shall Process such Customer Contact Data in accordance with the Motorola Privacy Statement. In instances where Motorola is acting as a joint controller with Customer, the Parties will enter into a separate Addendum to the Agreement to allocate the respective roles as joint controllers.

8. Survival. The following provisions will survive the expiration or termination of this SSA for any reason: **Section 4 – Term; Section 5 – Payment; Section 6.1 – Additional Exclusions; Section 8 – Survival.**

Flex Maintenance and Support Addendum

This Flex Maintenance and Support Addendum ("Addendum"), is between Motorola Solutions, Inc., ("Motorola"), and _____ ("Customer").

For good and valuable consideration, the parties agree as follows:

Section 1: Definitions

- 1.1 **"Coverage Hours"** means the hours between 5:00 a.m. and 6:00 p.m., Mountain Time, Monday through Friday, excluding regularly scheduled holidays of Motorola.
- 1.2 **"Documentation"** means all written or electronic user documentation for the Software provided by Motorola to Customer. Documentation does not include Motorola marketing materials.
- 1.3 **"Enhancement"** means any modification or addition that, when made or added to the Software, changes its utility, efficiency, functional capability, or application, but that does not constitute solely an Error Correction. Motorola may designate Enhancements as minor or major, depending on Motorola's assessment of their value and of the function added to the preexisting Software.
- 1.4 **"Error"** means any failure of the Software to conform in all material respects to its functional specifications as published from time to time by Motorola, subject to the exceptions set forth in Section 4.
- 1.5 **"Error Correction"** means either a software modification or addition that, when made or added to the Software, establishes material conformity of the Software to the functional specifications, or a procedure or routine that, when observed in the regular operation of the Software, eliminates the practical adverse effect on Customer of such nonconformity. Error Correction services are subject to the exceptions set forth in Section 4.
- 1.6 **"Primary Agreement"** means the agreement to which this Addendum is attached.
- 1.7 **"Releases"** means new versions of the Software, including all Error Corrections and Enhancements.
- 1.8 **"Response Time"** means six (6) or less Coverage Hours, from the time Customer first notifies Motorola of an Error until Motorola initiates work toward development of an Error Correction.
- 1.9 **"Software"** means the package of Motorola computer program(s), interfaces and/or data, in machine-readable form only, as well as related materials, including Documentation, initially or subsequently licensed by Customer. Software also includes all Utilities, modifications, new Releases and Enhancements. "Software" specifically excludes Third Party Software, except to the extent otherwise expressly stated in this Addendum.
- 1.10 **"System Application Administrator"** means an agent of Customer appointed by Customer, who has been certified on the Software by Motorola, pursuant to the procedures

set forth in Section 6 hereof, and is able to communicate effectively with Motorola support personnel in the description and resolution of problems associated with the Software.

- 1.11 **“Support Term”** means the entire period during which Customer is receiving support services for the Software under the terms of this Support Addendum, beginning on the installation date of the Software. Support services are included during the Software’s Warranty Period, as defined in Section 6.1 of Motorola’s Software License Agreement, which is the “Initial Support Term.” Thereafter, the Support Term shall automatically renew for successive periods of one year each, unless and until terminated pursuant to Section 8 hereof. In no event, however, shall the Support Term extend beyond the term of the Software License.
- 1.12 **“Third Party Software”** means software owned by third parties, whether (i) licensed by the third party to Motorola for distribution to Motorola’s customers with the Software, such as mapping software, database software, paging software or open source software, or (ii) separately acquired by Customer as necessary or appropriate for use in conjunction with the Software, such as word processors, spreadsheets, terminal emulators, etc.
- 1.13 **“Utilities”** means the software utilities and tools provided by Motorola as part of the Software, including Motorola’s XML Query, ODBC interface and implementation code, ctpperl, dbdump, and dbload, as well as any other software utilities provided by Motorola in connection with the Software.

Section 2: Eligibility For Support

- 2.1 **Support Termination.** Motorola’s obligation to provide the support and maintenance services described in this Support Addendum with respect to the Software may be terminated pursuant to Section 8.2.2 or suspended, at Motorola’s discretion, if at any time during the term of this Support Addendum any of the following requirements are not met:
- 2.1.1 The Software License must remain valid and in effect at all times;
- 2.1.2 The Software must be operated on a hardware platform, operating system and version approved by Motorola; and
- 2.1.3 Customer must be current on payment of maintenance and support fees.
- 2.2 **SAA Replacement.** Motorola may require Customer to appoint a new Motorola Application Administrator (“SAA”) in order to continue receiving support services or increase Customer’s support fees, if Motorola reasonably determines that the acting SAA does not have the training or experience necessary to communicate effectively with Motorola support personnel.

Section 3: Scope of Services

During the Support Term, Motorola shall render the following services in support of the Software, during Coverage Hours:

- 3.1 **Support Center.** Motorola shall maintain a Support Services Control Center capable of receiving from the SAA reports of any software irregularities, and requests for assistance in use of the Software.

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- 3.2 **Services Staff.** Motorola shall maintain a trained staff capable of rendering support services set forth in this Support Addendum.
- 3.3 **Error Correction.** Motorola shall be responsible for using all reasonable diligence in correcting verifiable and reproducible Errors when reported to Motorola in accordance with Motorola's standard reporting procedures. Motorola shall, after verifying that such an Error is present, initiate work within the Response Time in a diligent manner toward development of an Error Correction. Following completion of the Error Correction, Motorola shall provide the Error Correction through a "temporary fix" consisting of sufficient programming and operating instructions to implement the Error Correction and Motorola shall include the Error Correction in all subsequent Releases of the Software. Motorola supports two (2) versions back from the most recent release version. However, Motorola may, but is not obligated to, provide Error Corrections for any version of the Software other than the most recent Release.
- 3.4 **Software Releases.** Motorola may, from time to time, issue new Releases of the Software to its Customers generally, containing Error Corrections, minor Enhancements, and, in certain instances, if Motorola so elects, major Enhancements. Motorola reserves the right to require additional license fees for major Enhancements. Motorola shall provide Customer with one copy of each new Release, without additional charge. Motorola shall provide reasonable assistance to help Customer install and operate each new Release, provided that such assistance, if required to be provided at Customer's facility, shall be subject to the supplemental charges set forth in Motorola's current Fee Schedule.
- 3.5 **Enhancements.** Motorola shall consider and evaluate the development of Enhancements for the specific use of Customer and shall respond to Customer's requests for additional services pertaining to the Software (including, without limitation, data conversion and report-formatting assistance), provided that such assistance, if agreed to be provided, shall be subject to supplemental charges mutually agreed to in writing by Motorola and Customer.

Section 4: Services Not Covered by this Support Addendum

The services identified in this section are NOT covered by this Support Addendum. Motorola strongly recommends that Customer secure a separate support agreement with third party vendors for all non-Motorola products. Motorola may, in its discretion, provide such services to Customer upon request, for an additional fee as the parties may agree in writing.

- 4.1 **Third Party Products.** Motorola will not provide support for any third party products, including hardware, or support for hardware failure due to the use of any third party products. Motorola may in its discretion provide first-line support for Third Party Software distributed by Motorola; if not, Motorola will refer Customer to the vendor of such software for resolution of support issues.
- 4.2 **Customized Interfaces and Software.** Motorola's standard support does not include support for any custom interfaces or other customized Software developed by Motorola or any third party for Customer. Support and maintenance services for customized Software are subject to an additional support fee, if agreed in writing between the parties. Such support and maintenance services include bug fixes and minor modifications to the custom interface or software. They do NOT include major revisions or rewrites, such as those required to make a custom interface work with a new or upgraded version of the applicable

third party software. Custom interfaces and support therefore are specific to the designated version of the applicable third party software or system. Any major changes to such third party software or system will require a new custom quote for Motorola to modify the custom interface to work with the new version of the third party software or system. Motorola's support fees may also differ for the new version of the custom interface.

- 4.3 **Network Failures.** Motorola will not provide support for any network failures or problems including, but not limited to, cabling, communication lines, routers, connectors, and network software.
- 4.4 **Data Recovery.** Motorola's standard support does not include restoration and/or recovery of data files and/or the operating system. Motorola will, upon request of Customer and subject to its then-current fees for such services, use reasonable efforts to assist Customer in recovering lost data.
- 4.5 **Unauthorized Use.** Motorola will not provide support where the problem arises out of any breach of warranty, damages to the Software or its database, data corruption, or support issues, security issues, or performance issues arising out of Customer's or a third party's use of the Utilities or any software not specifically licensed by Motorola to Customer for use in connection with the Software. Any assistance provided by Motorola in resolving such problems shall be charged to Customer on a time and materials basis. Additionally, any unauthorized use of the Utilities or other software in connection with the Software by Customer (or by a third party with Customer's knowledge) may result, at Motorola's sole option, in avoidance of warranties, an increase in the annual maintenance and support fees under this Support Addendum, and/or loss of rights to upgrades under this Support Addendum.
- 4.6 **Database Modifications.** Motorola will not provide support for any damages to or problems with the Software or its database, data corruption, support issues, security issues, or performance issues arising from Customer's utilization of the "write" feature of the ODBC interface to write to or modify the database in any way.
- 4.7 **Misuse or Damage.** Motorola will not provide support for Software problems caused by Customer misuse, alteration or damage to the Software or Customer's combining or merging the Software with any hardware or software not supplied by or identified as compatible by Motorola, customizing of programs, accident, neglect, power surge or failure, lightning, operating environment not in conformance with the manufacturer's specifications (for electric power, air quality, humidity or temperature), or Third Party Software or hardware malfunction.
- 4.8 **Operating System.** Motorola is not responsible for supporting, configuring, maintaining, or upgrading the operating system, including, but not limited to, backups, restores, fixes, and patches, or for providing assistance with problems caused by operating system installation, configuration, errors, maintenance or repair, or using incorrect versions of the operating system.
- 4.9 **Onsite Visits.** Onsite service visits to Customer's facility by Motorola are subject to additional charges, as set forth in Section 7.5.

- 4.10 **Printers.** Motorola is not responsible for supporting printers connected to the back of terminals/personal computers (commonly called pass-through printing) or network printers are not supported by Motorola.

Section 5: Obligations of Customer

- 5.1 **Software Connectivity.** Customer must maintain and provide, at no cost to Motorola, a CJIS-approved broadband internet connection to the server used with the Software, 24 hours per day, 7 days per week, to facilitate remote support utilities enabling Motorola support personnel to connect to and provide assistance with the server used with the Software. Third party connectivity tools, such as client VPN software, which must be installed on Motorola equipment, cannot be required by Customer.
- 5.2 **Customer Representative During Onsite Visits.** Customer's SAA or another authorized representative of Customer must be present when any onsite support is provided. Customer agrees that if such representative is not present when the Motorola representative arrives onsite, the Motorola representative shall notify an appropriate representative of Customer, if feasible, that there is no Customer IT representative present. If Customer's IT representative does not arrive within a reasonable time, no work will be performed and Customer will be charged for Motorola's expenses relating to the visit. If Motorola's on-site support person determines that changes to Customer's system (hardware or software) are required or advisable, it will inform Customer's representative. If such representative is not authorized to make or approve changes to Customer's system, as applicable, Customer will promptly make available such a person.
- 5.3 **English Language.** All communications between Customer and Motorola must be in the English language.
- 5.4 **SAA Assignment.** Customer is responsible for providing one or more qualified Motorola Application Administrators as described in Section 6 hereof. At least one authorized representative, identified to Motorola by Customer in writing with contact information, must be available at all times; however, after-hours availability is required only when and if Customer is requesting after-hours support from Motorola.
- 5.5 **Security.** Customer is responsible for providing all network and server security.
- 5.6 **Error Information.** Customer must provide Motorola with information sufficient for Motorola to duplicate the circumstances under which an Error in the Software became apparent.
- 5.7 **CJIS Compliance.** Customer is responsible for its own adherence to the FBI Criminal Justice Information Services (CJIS) Security Policy, the Health Insurance Portability and Accountability Act of 1996 (HIPAA) (to the extent applicable) and any other applicable security and privacy laws and regulations. Motorola will reasonably cooperate with Customer in connection therewith.

Section 6: SAA and Support Contact Requirements

- 6.1 **Certification.** Customer's designated SAA must be certified by Motorola within one year of the date of Customer's cutover to live operation of the Software ("Go-live"). The designated SAA must meet the following requirements in order to certify at the basic level:

Flex Maintenance and Support Addendum	5	
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6.1.1 Attend and participate in, and successfully pass the final written and practical examinations from the following courses within one hundred twenty (120) days of installation of the Software:

- i. System Introduction – Inquiry,
- ii. System Introduction – Data Entry & Modification,
- iii. Basic System Administration, and
- iv. General training applicable to the Software used by Customer.

6.1.2 Pass the Basic SAA exam within one year after the agency's Go-live date.

6.2 **SAA Training Costs.** Customer will be responsible for the costs of such training, including any course fees, travel, and lodging expenses.

6.3 **SAA and Support Contact Information.** Contact information for Customer's SAA(s) and other authorized support contacts must be provided by Customer to Motorola's Technical Services department. Any changes to Customer's SAA and support contacts names and contact information must be promptly provided to Motorola's support department.

6.4 **Qualifications.** Each designated SAA and Customer support contact must be qualified to address, or have other support resources to address, without the aid of Motorola, all problems relating to hardware, software, or operating system not directly associated with the Software.

Section 7: Fees and Charges

7.1 **Support Fees.** During the Initial Support Term, support services are included as part of the initial purchase price paid by Customer. Thereafter, Customer shall pay Motorola the applicable support fees or Motorola support invoice, and any other charges or fees described herein. Motorola reserves the right to change its support fee, effective upon no less than 90 days written notice to Customer prior to the end of the current annual period.

7.2 **Support Fee Invoices.** Motorola shall invoice Customer for annual Support Fees at the beginning of each contract year. In the event that additional billable work is performed, all billable charges and expenses will be invoiced to Customer at the beginning of the month following the month in which those charges and expenses accrued or were incurred. Customer shall pay the invoiced amounts immediately upon receipt of such invoices. Any amount not paid within thirty (30) days after the invoice date shall bear interest at the rate of eighteen (18) percent per year or the highest rate allowed by applicable law, whichever is less.

7.3 **Equipment Fees.** Customer shall be responsible for and agrees to pay the fees and charges incurred for procuring, installing, and maintaining all equipment, telephone lines, modems, communications interfaces, networks, and other products necessary to operate the Software.

7.4 **After-Hours Charges.** Customer agrees to pay additional charges according to the Motorola Fee Schedule for all work required by Customer and performed outside of Coverage Hours. These charges are applicable for any work performed outside of the Coverage Hours, REGARDLESS OF THE CAUSE, even if the requested work was reported and/or initiated during normal Coverage Hours.

- 7.5 **Onsite Support** If Customer requests onsite support services, Customer shall reimburse Motorola for all labor, travel, and related expenses incurred by Motorola in providing such support services.
- 7.6 **Additional Fees.** Additional support fees may be required by Motorola if there is a significant increase in Customer's size with respect to use of the Software. An increase in size may arise either out of Customer's internal growth or out of a Host Agency/Shared Agency arrangement, if applicable. Relevant factors include number of employees, number of dispatchers and/or number of jail beds. Payment of such additional Support Fees is due within thirty (30) days of the date of the invoice for such fees. Such fees will be prorated, based upon the date during the contract year the increase in Customer's size occurred. Additionally, Motorola may adjust support fees based on changes in (1) additional licenses or modules purchased by Customer, (2) Customer's hardware, (3) the Coverage Hours selected by Customer, or (4) Customer's violation of the restrictions set forth in Section 4.5 hereof.
- 7.6.1 **Inflation Adjustment.** At the end of the first year of the Addendum and each year thereafter, a CPI percentage change calculation shall be performed using the U.S. Department of Labor, Consumer Price Index, all Items, Unadjusted Urban Areas (CPI-U). Should the annual inflation rate increase greater than 3% during the previous year, Motorola shall have the right to increase all future maintenance prices by the CPI increase amount exceeding 3%. All items, not seasonally adjusted shall be used as the measure of CPI for this price adjustment. Measurement will take place once the annual average for the New Year has been posted by the Bureau of Labor Statistics. For purposes of illustration, if in year 5 the CPI reported an increase of 8%, Motorola may increase the Year 6 price by 5% (8%-3% base).

Section 8: Termination

- 8.1 **Automatic Termination.** This Support Addendum shall automatically terminate immediately upon termination of the Software License for any reason.
- 8.2 **Termination by a Party.** Either party may terminate this Support Addendum as follows:
- 8.2.1 If either Motorola or Customer provides a written notice to the other party, at least 90 days prior to the end of the then-current Support Term, of its intent to terminate this Support Addendum at the end of such Support Term; or
- 8.2.2 Upon 30 days prior written notice, if the other party has materially breached any provision of this Support Addendum and the offending party has not cured such breach within the 30-day notice period.
- 8.3 **Final Invoicing upon Termination.** Following termination of this Support Addendum, Motorola shall immediately invoice Customer for all accrued fees, charges, and reimbursable expenses; and Customer shall pay the invoiced amount immediately upon receipt of such invoice.

Section 9: General

- 9.1 **Incorporation of Additional Terms.** The terms of Section 2.1 (Products); Section 6.5 (Warranty Disclaimer); Section 8 (Limitation of Liability); Sections 9 & 10 (Confidentiality and Proprietary Rights); Section 12 (Disputes); and all of the General provisions in Section 13 are hereby incorporated into this Agreement by reference.

END

AVIGILON CORPORATION

ACCESS CONTROL MANAGER (ACM) software

ACM Embedded Controller (ACM EC) software

Terms and Conditions of Use

IMPORTANT - PLEASE READ CAREFULLY: These terms ("Agreement") constitute a legal agreement between you (either an individual person, the company, or the organization that has licensed this software, who will be referred to as "Licensee", "You" and, where appropriate, "Your") and Avigilon Corporation for the Avigilon software product and related materials that accompany this agreement. By clicking the "Accept" button, opening the package, downloading the product, using the equipment that contains this software, or otherwise using this software, You acknowledge that You have read, understand, and agree to become bound by the terms of this agreement.

If You do not agree with the terms of this agreement, do not install and/or use the software or equipment containing the software; instead, You should return the software to Your place of purchase for a full refund. If You do not have the authority to bind the Licensee to these terms, do not install and/or use the software or equipment containing the software.

1. Definitions

1.1 "Appliance Products" means all computer hardware, access control components and accessories purchased from the Company and utilized in conjunction with the Software.

1.2 "Authorized Systems" means computer systems and related Appliance Products purchased by Licensee, and authorized pursuant to the Documentation, and shall be further limited to systems owned, operated or under the supervision and control of Licensee.

1.3 "Authorized Users" means persons authorized by the Licensee to install, operate or use the Software.

1.4. "Company" means Avigilon Corporation with an address at Suite 378, 101-1001 West Broadway, Vancouver, British Columbia, Canada, V6H 4E4, and its affiliates.

1.5 "Documentation" means Company's standard user manuals and/or related documentation respecting the Software

1.6 "Equipment" means computer systems and related Appliance Products purchased by Licensee, and authorized pursuant to the documentation provided with this Software, and shall be further limited to systems owned, operated or under the supervision and control of Licensee.

1.7 "Licensee" means the employer, company or other legal entity, on behalf of which You enter into this Agreement; provided that You have the legal authority on behalf of such employer, company or other legal entity to bind the employer, company or other legal entity to the terms and conditions of this Agreement; provided further that in the event that You do not, then You and the Licensee shall not be authorized to use the Software and any use shall constitute a violation of law.

1.8 "Software" means the Avigilon Access Control Manager ("ACM") or the Avigilon Access Control Manager Embedded Controller ("ACM EC") packaged computer program and patches, including upgrades, updates and new releases, in object code and related documentation that is provided along with this Agreement.

1.9 "Third Party Components" means all third party code, software, and APIs, including third party code included or embedded in the Software and components referenced in the delivered file ACM THIRDPARTYLICENSE.TXT or in any file entitled "README", "COPYING", "COPYRIGHT", "LICENSE", "AGREEMENT " or a substantially similar title (any such file referred to herein as a "README FILE"), included with the Software or a fix pack or update to the Software.

1.10 "You" (and where appropriate "Your") means the person accepting this Agreement on behalf of the Licensee and for him/herself, consistent with the preamble to this Agreement.

2. License

2.1 Subject to the terms and conditions of this Agreement, Company hereby grants to Licensee a non-exclusive, non-transferable, non-sublicenseable right and license to install and operate the Software on one (1) or more Authorized Systems, solely in accordance with applicable Documentation provided by Company, solely for use by Authorized Users, and solely for Licensee's internal business purposes. Each copy of the Software is licensed for use within the scope provided for by the license key or written permission.

2.2 Subject to the terms and conditions of this Agreement, Company hereby grants to Licensee a non-exclusive, non-transferable, non-sublicenseable right and license to make a reasonable number of copies of the Documentation provided by Company, solely for use by Authorized Users in connection with the exercise of rights granted in Section 3.1.

2.3 Licensee acknowledges and agrees that it shall be responsible for all acts and omissions of Authorized Users, and any act or omission by an Authorized User, which, if undertaken by Licensee, would constitute a breach of this Agreement, shall be deemed a breach of this Agreement by Licensee. Licensee shall undertake reasonable efforts to make all Authorized Users aware of the provisions of this Agreement as applicable to such Authorized User's use of the Software, and shall cause Authorized Users to comply with such provisions.

2.4 Delivery of one (1) copy of each of the Software and the Documentation shall be deemed complete upon download of the Software and

Documentation, or receipt by Licensee of media upon which the Software and Documentation are digitally stored, and such download or receipt (as the case may be) shall constitute acceptance by Licensee of the Software and Documentation. Unless otherwise agreed between the Parties in a separate written agreement, Company shall have no obligation to install or configure the Software for or on behalf of Licensee.

2.5 Licensee may not and may not have any third party copy, reproduce, modify or otherwise adapt the Software, including for the purposes of correcting any errors thereof, translate, disassemble, decompile or reverse engineer the Software or perform any other act in order to reconstitute the source code, for itself or on behalf of any third party, company or legal entity. All rights not expressly granted herein are reserved by Company.

2.6 It is Licensee's responsibility to provide the adequate hardware and software equipment necessary to ensure the proper functioning of the Software.

2.7 No software component integrated into the Software can be used independently of the Software except if Licensee has been granted independent rights of use for the software components under a separate written license agreement with Company.

2.8 Licensee will not use the Software or Documentation for any purposes beyond the scope of the licenses granted in this Agreement.

2.9 Without limiting the generality of the foregoing, Licensee will not (i) authorize or permit use of the Software or Documentation by persons other than Authorized Users; (ii) market or distribute the Software or Documentation; (iii) assign, sublicense, sell, lease or otherwise transfer or convey, or pledge as security or otherwise encumber, Licensee's rights under the licenses granted herein; (iv) use the Software in any time-sharing or service bureau arrangement, including, without limitation, any use to provide services or process data for the benefit of, or on behalf of, any third party; (v) modify the Software or Documentation, except with the prior written consent of Company; (vi) combine or integrate the Software with hardware, software or technology not provided to Licensee by Company hereunder, provided that use of the standard application programming interface of the Software, as contemplated in the Documentation, will not be considered to violate the foregoing; or (vii) decompile, disassemble, reverse engineer or otherwise attempt to obtain or perceive the source code from which any component of the Software is compiled or interpreted, and Licensee hereby acknowledges that nothing in this Agreement shall be construed to grant Licensee any right to obtain or use such source code.

3. Ownership of copyright - indemnification

3.1 Company retains all exclusive right, title, interest and ownership in and to the Software and components and all derivative works, modifications, and extensions thereto, no matter by whom such is created as well as any patent, trademark or copyrights associated with the Software and components and all derivative works, modifications, and

extensions thereto and its related documentation (the "Works"). Additionally, this Agreement does not grant You any rights in connection with any trademarks of the Company.

3.2 In the event any such Works do not fall within the specifically enumerated works that constitute works made for hire under the applicable copyright or patent laws, Licensee hereby, on its own behalf and on behalf of any entity that it is contracting with, irrevocably, expressly and automatically assigns all right, title and interest worldwide in and to such Works to Company, including, without limitation, all copyright, patent rights, trade secrets, trademarks, moral rights and all other applicable proprietary and intellectual property rights. Licensee shall not, nor permit the entity on whose behalf You act, otherwise copy, translate, modify, decompile, disassemble, reverse engineer or adapt in any manner the Software, except as specifically authorized under applicable laws or by Company in writing; provided that where Company has specifically granted Licensee in writing the right to use the Software in order to deliver Software components that are executable and as source code specifically for the purpose of customizing Licensee's own dashboard and tools, Licensee may use the Software for that specific purpose.

3.3 If an action is brought against Licensee claiming that the Software infringes a patent or copyright, Company will defend Licensee at Company's expense and, subject to this section and Section 7, pay the damages and costs finally awarded against Licensee in the infringement action, but only if (1) Licensee notifies Company immediately upon learning that the claim might be asserted, (2) Company has sole control over the defense of the claim and any negotiation for its settlement or compromise, and (3) Licensee takes no action that, in Company's judgment, is contrary to Company's interest. This indemnity is not provided to the extent excluded under Section 5 below.

3.4 If a claim described in the above section may be or has been asserted, Licensee will permit Company, at Company's sole option and expense, to (1) procure the right to continue using the Software, (2) replace or modify the Software to eliminate the infringement while providing functionally equivalent performance, or (3) accept the return of the Software and refund to Licensee an amount equal to the pro-rata portion of the license price actually paid by Licensee over the period the Software could not be used.

4. Third Party Components

4.1 Notwithstanding the terms and conditions of any other agreement the Licensee may have entered into with Company, whether orally or in writing, the following terms and conditions apply to all Third Party Components.

4.2 The Software and future updates and fix packs to the Software may contain certain Third Party Components which are provided to Licensee under terms and conditions which are different from this Agreement, or which require Company to provide Licensee with certain notices and/or information. The Third Party Component will contain or be accompanied by its own license agreement set out in the applicable delivered file as per

Section 2.8, or included among the Software's paper documentation, if any.

4.3 Licensee's use of each Third Party Component which contains, or is accompanied by, its own license agreement, or for which Company has identified a license agreement in a delivered file as per Section 2.8 (or in a file or files referenced therein), will be subject to the terms and conditions of such other license agreement, and not this Agreement.

4.4 By using or not uninstalling such Third Party Components after the initial installation of such Third Party Components (thereby giving You access to the applicable license agreements, notices and information), Licensee acknowledges and agrees to all such license agreements, notices and information, including those provided only in the English language. Licensee agrees to review any updated delivered files as per Section 2.8, which accompany updates and fix packs to the Software.

4.5 All Third Party Components are provided on an "AS IS" basis. Company DISCLAIMS ANY AND ALL EXPRESS AND IMPLIED WARRANTIES AND CONDITIONS INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF NON-INFRINGEMENT, AGAINST LATENT DEFECTS, OR INTERFERENCE, AND THE IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY, UNSATISFACTORY QUALITY, AND FITNESS FOR A PARTICULAR PURPOSE. Company will not be liable to You, or indemnify You, for any claims related to the Third Party Components and Company will not be liable for any direct, indirect, incidental, special, exemplary, punitive or consequential damages with respect to the Third Party Components.

5. No warranty

5.1 THE SOFTWARE IS PROVIDED ON AN "AS IS" BASIS. COMPANY DISCLAIMS ALL WARRANTIES, WHETHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF NON-INFRINGEMENT, UNSATISFACTORY QUALITY, AGAINST LATENT DEFECTS, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE.

5.2 COMPANY DOES NOT WARRANT OR REPRESENT THAT THE SOFTWARE (A) OPERATES OR WILL OPERATE ERROR FREE OR UNINTERRUPTED; (B) WILL OPERATE IN COMBINATION WITH ANY SOFTWARE, HARDWARE OR OTHER COMPONENT WHICH MAY BE SELECTED FOR USE BY LICENSEE; OR (C) HAS OR WILL HAVE ALL PROGRAM DEFECTS CORRECTED.

5.3 THE SOFTWARE AND RELATED APPLIANCE PRODUCTS ARE NOT DESIGNED, MADE, CONCEIVED AND/OR LICENSED FOR USE IN DANGEROUS OR HAZARDOUS ENVIRONMENTS, NOR DOES THE SOFTWARE ENSURE THAT THERE WILL BE NO SECURITY BREACHES. LICENSEE AGREES AND LICENSEE ACKNOWLEDGES THAT IT WILL PROCURE INSURANCE COVERAGE FOR THE PURPOSE OF PROTECTING IT AGAINST ALL RISKS RELATING TO LOSSES ASSOCIATED WITH SECURITY OR SAFETY BREACHES, VIOLATIONS, OR ISSUES. Any product description (whether in specifications, samples, models, bulletin, drawings, diagrams, engineering sheets, or similar materials used in connection with the Licensee's order) are for the sole purpose of identifying the Software or Appliance Products and shall not be construed as an express warranty or

condition. Any suggestions by Company or Company's agents regarding use, applications, or suitability of the Appliance Products shall not be construed as an express warranty or condition unless confirmed to be such in writing by Company. Company does not represent that the products it sells (including without limitation the Appliance Products) may not be compromised or circumvented; that the products will prevent any personal injury or property loss by burglary, robbery, fire or otherwise, or that the Company's products (including without limitation the Appliance Products) will in all cases provide adequate warning or protection. Licensee understands and will cause its customers to understand that a properly installed and maintained access control solution is not insurance or a guarantee that burglary, robbery, fire, or otherwise will not occur or will not cause or lead to personal injury or property loss. CONSEQUENTLY, COMPANY SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE OR OTHER LOSS BASED ON ANY CLAIM AT ALL INCLUDING A CLAIM THE APPLIANCE PRODUCT FAILED TO GIVE ADEQUATE WARNING. However, if Company is held liable whether directly or indirectly for any loss or damage with respect to the Software or any products it sells, regardless of cause or origin, its maximum liability shall not in any case exceed the purchase price of the Appliance Product, which shall be fixed as liquidated damages and not as a penalty, and shall be the complete and exclusive remedy against the Company in such event.

6. Limitation of liability

6.1 UNDER NO CIRCUMSTANCES WILL COMPANY BE LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, SPECIAL, PUNITIVE, OR INCIDENTAL DAMAGES OR LOST PROFITS, WHETHER FORESEEABLE OR UNFORESEEABLE, BASED ON LICENSEE'S CLAIMS OR THOSE OF ITS USERS (INCLUDING, BUT NOT LIMITED TO, CLAIMS FOR LOSS OF DATA, GOODWILL, USE OF MONEY OR USE OF THE SOFTWARE, INTERRUPTION IN USE OR AVAILABILITY OF DATA, STOPPAGE OF OTHER WORK OR IMPAIRMENT OF OTHER ASSETS) ARISING OUT OF BREACH OR FAILURE OF EXPRESS OR IMPLIED WARRANTY, BREACH OF CONTRACT, MISREPRESENTATION, NEGLIGENCE, STRICT LIABILITY, OR IN TORT OR OTHERWISE.

6.2 IN NO EVENT WILL THE AGGREGATE LIABILITY WHICH COMPANY MAY INCUR IN ANY ACTION OR PROCEEDING EXCEED THE TOTAL AMOUNT ACTUALLY PAID BY LICENSEE FOR THE SPECIFIC SOFTWARE THAT DIRECTLY CAUSED THE DAMAGE. THIS SECTION SHALL NOT APPLY TO THE EXTENT THAT APPLICABLE LAW SPECIFICALLY EXCLUDES ITS ENFORCABILITY, DESPITE THE FOREGOING EXCLUSION AND LIMITATION.

7. Confidentiality

7.1 Licensee acknowledges that the Software incorporates confidential information developed or acquired by or licensed to Company. The confidential information includes without limitation, source code, object code, interfaces, APIs, dashboards, and all components of the Software. Licensee agrees that it will not use the Software and any confidential information provided therein, except for authorized use as specifically provided herein, that it shall not disclose to any third party nor permit any other to disclose the Software and any confidential information to any person or entity that is not a Licensee as defined herein, and agrees to take all reasonable precautions necessary to safeguard the

confidentiality of the Software and any confidential information provided therein.

8. Termination

8.1 Upon termination of this Agreement for any reason, all rights granted to Licensee hereunder shall cease, and Licensee shall destroy all copies of the Software, and at Company's request certify such destruction in writing.

8.2 The provisions of Sections 4.1, 4.2, 6, 7, 8, 12 and any payment obligations will survive the termination of this Agreement.

9. Assignment

9.1 Licensee shall not assign, delegate or otherwise transfer this Agreement or any of its rights or obligations hereunder without Company's prior approval, which it may withhold at its sole discretion. Any assignment, delegation or transfer in violation of this clause shall be deemed null and void.

9.2 Company shall have the right to immediately terminate this Agreement and any licenses contained herein at any time if Licensee changes controls pursuant to the acquisition, through sale, merger or otherwise of more than 50% of its shares or voting rights.

10. U.S. GOVERNMENT RESTRICTED RIGHTS

10.1 This Section only applies if the end user is a department, agency, or instrumentality of the government of the United States of America. The Software and Documentation are "Commercial Items", as that term is defined at FAR 2.101, consisting of "Commercial Computer Software" and "Commercial Computer Software Documentation", as such terms are used in FAR 12.212 or DFAR 227.7202 (as applicable), and: (a) were developed at private expense prior to provision to any U.S. Government entity; and (b) are provided with "restricted rights" and under licenses customarily provided to the public to the extent such licenses are consistent with U.S. federal law and otherwise satisfy the U.S. government's needs. Accordingly, consistent with FAR 12.212 or DFAR 227.7202-1 through 227.7202-4 (as applicable), the Software and Documentation are being licensed to U.S. Government end users: (a) only as Commercial Items; and (b) with only those rights as are granted to all other end users pursuant to the terms and conditions herein.

11. COLLECTION OF DATA

11.1 By Licensee's acceptance of the terms of this Agreement, Licensee agrees that Company may collect, from time to time, information about the computer(s) on which Licensee has installed or will be using the Software. This information represents a configuration of Licensee's computer(s) but includes no personal information, information about other software or data on Licensee's computer, or information about the specific make or model of Licensee's computer(s). A hash of this information may be disclosed to a third party vendor, Flexera Software

LLC ("Flexera"), to assist with management and enforcement of Licensee's hardware and software keys. Company may also disclose to Flexera Licensee's business name, the business name from whom Licensee purchased the Software, the name of the site on which the Software is installed, and the other hardware and software keys installed at that site (if any). The information will be used solely to associate Licensee's computer(s) with the hardware and software keys and to identify Licensee's computer(s). The Flexera Privacy Policy can be found at: <https://www.flexerasoftware.com/legal/privacy-policy.html>.

12. Miscellaneous

12.1 It is agreed by Licensee that any violation of the scope of any license provided in this Agreement, or any intellectual property right in this Agreement shall entitle Company to injunctive relief or other equitable remedies from any court of competent jurisdiction.

12.2 This Agreement and performance hereunder will be governed by the laws of the Province of British Columbia and the laws of Canada applicable therein without reference to principles of conflicts of laws and the courts in Vancouver, British Columbia and the courts of appeal therefrom will have exclusive jurisdiction to hear any proceedings relating to this Agreement.

12.3 If any provision of this Agreement is held to be unenforceable, in whole or in part, such holding will not affect the validity of the other provisions of this Agreement, unless Company in good faith deems the unenforceable provision to be essential, in which case Company may terminate this Agreement effective immediately upon notice to Licensee.

12.4 Except as specifically stated herein, this Agreement constitutes the complete and entire statement of all conditions and representations of the agreement between Company and Licensee with respect to its subject matter and supersedes all prior writings or understandings. The United Nations Convention on Contracts for the International Sale of Goods shall not apply.

12.5 The waiver or failure of Company to exercise in any respect any right provided herein will not be deemed a waiver of any further right hereunder.

12.6 If You are a business, company or organization, You agree that upon request from Company or its authorized representative You will within thirty (30) days fully document and certify that use of any and all Company software at the time of the request is in conformity with Your valid license(s) from Company.

Section 7

Appendices

7.1 Appendix A Literature

Motorola Solutions has provided key literature on the following pages.

AI NVR

The Artificial Intelligence Network Video Recorder (AI NVR) is a purpose-built security-hardened NVR, with built-in server-side analytics that unlocks Avigilon's advanced AI capabilities on any connected video stream. This cost-effective, plug-and-play appliance combines high-performance recording with video analytics in an easy-to-deploy turnkey solution. An IT-friendly solution, the AI NVR is built on a hardened embedded OS, which can be remotely managed with Avigilon Cloud Services (ACS). Avigilon regularly provides a single firmware package that not only updates the AI NVR, but also most connected cameras, and clients. Add the power of Avigilon's advanced neural-network-based analytics to your video streams with AI NVR.



FEATURES



SERVER-SIDE ANALYTICS FOR NON-ANALYTIC CAMERAS

Bring Classified Object Detection, Appearance Search, Face Recognition, No Face Mask Detection, and License Plate Recognition to your existing non-analytic cameras.



HIGH PERFORMANCE

Up to 2400 mbps of total throughput, while simultaneously running analytics.



REMOTE MANAGEMENT

Use ACS to manage multiple AI NVRs in a single building or globally from a central location.



ENHANCED SECURITY

All AI NVRs run Avigilon Hardened OS on an encrypted solid state drive to minimize attack vectors.



CLOUD REMOTE SITE UPDATE

Avigilon AI NVR, Clients, and most Cameras can all be remotely upgraded together with a single signed and encrypted firmware package.



SIMPLIFIED NETWORKING

Full recording throughput can be run on a single network port with additional ports used for failover.



REMOTE NOTIFICATIONS ON MOBILE

Receive instant notifications to any mobile device with full support for remote alerts. Out-of-the-box built-in web endpoint technology optimizes the AI NVR for mobile connections.



ALL-IN-ONE DEVICE

Achieve lower deployment costs with a single device that performs as an NVR and an analytics server.

ANALYTICS

CLASSIFIED OBJECT DETECTION™ (COD)



Detects and classifies people or vehicles to help operators respond faster. Unusual Activity Detection (UAD) automatically detects atypical behavior of learned objects.

ACC7-VAC license required



AVIGILON APPEARANCE SEARCH™ (AS)

Quickly locates a specific person or vehicle of interest across an entire site using a sophisticated deep learning AI search engine.

ACC Enterprise required



FACE RECOGNITION (FR)

Detects matches from managed watchlists to alert operators of people of interest. Requires Appearance Search and an additional license.

ACC7-FACE license required

NO FACE MASK DETECTION



Determines whether a person is not wearing a face mask to help prevent community transmission.

ACC Enterprise required



OCCUPANCY COUNTING

With cameras at entrances and exits, a running total of occupancy can be monitored in real time.

ACS Required



LICENSE PLATE RECOGNITION

Works with ACC software for accurate license plate capture at a range of distances and speeds.

ACC7-LPR license required

AI NVR MODEL	ANALYTICS CAMERAS ¹		NON-ANALYTIC CAMERAS ¹			NUMBER OF LPR LANES ²					
	AS ONLY ³	AS+FR ⁴	COD ONLY ³	COD+AS ⁴	COD+AS+FR ⁴	DEFAULT MODE			PERFORMANCE MODE ⁵		
						10 FPS <48 KM/H	20 FPS <100 KM/H	30 FPS <150 KM/H	10 FPS <48 KM/H	20 FPS <100 KM/H	30 FPS <150 KM/H
Premium+	200	100	55	55	50	12	6	4	53	26	17
Premium	200	100	30	30	27	8	4	2	28	14	9
Standard w/ kit ⁶	200	100	25	25	22	7	3	2	29	14	9
Standard	200	100	12	12	11	5	2	1	15	7	5
Value	200	50	6	6	5	4	2	1	8	4	2

¹ These performance figures are based on validation testing by Avigilon, using Avigilon Control Center 7.14.4 software. Assumes appliance-wide average per camera rates of classified objects leaving the field of view: H5A cameras – one every second; H4A cameras – one every two seconds; non-analytics cameras running COD – one every second.

² Assumes a 3MP camera with 1MP license plate scan area and Frames Per Second (FPS) to recognize license plates up to vehicle speeds in Kilometers Per Hour (KM/H). Results may vary according to camera mounting parameters.

³ For cameras at 2MP and 30 frames per second (fps).

⁴ Requires H5A, H4A cameras, or Classified Object Detection running on non-analytics cameras.

⁵ Requires LPR Performance mode to be enabled. Available with ACC version 7.14.6 or later. LPR Performance mode will limit other analytics on your AI NVR. See the AI NVR user guide for more information.

⁶ Requires installation of the AINVR-STD-PRK Performance Kit on the AI NVR Standard.

DEVICE TYPES SUPPORTED FOR ANALYTICS

Avigilon H.264 Analog Encoders

Avigilon HD H.264, H3, H3 Multisensor, H4 SL, H4 Mini dome, H4 Box, H4 Bullet, H4 Dome, and H4 Pro cameras

Avigilon H4A cameras operating for Unusual Motion Detection

Avigilon H5Pro and H4 Multisensor (in high frame-rate mode), H5M, and H5SL cameras

ONVIF® Profile S cameras

ONVIF encoders

SPECIFICATIONS

SYSTEM		PREMIUM+ AND PREMIUM		STANDARD		VALUE	
Capacity		160 TB	128 TB	48 TB	32 TB	12 TB	6 TB
		96 TB	64 TB	24 TB			
Avigilon Control Center™ Edition		Core, Standard, and Enterprise* compatible (ACC camera licenses are sold separately)					
Network Video Streaming Performance	Network Connection	10GbE or 1GbE Networking		1GbE Networking			
	Recording Rate	10GbE: Up to 1500 Mbps 1 GbE: Up to 1500 Mbps‡		Up to 900 Mbps			
	Playback Rate	Up to 600 Mbps†		Up to 800 Mbps			
Operating System		Avigilon Hardened OS, supports secure remote upgrades					
Drive Configuration	OS Boot	2 × M.2 Solid State drives, RAID 1					
	Video Data	RAID 6 — Up to 12 × 3.5", hot-swappable		RAID 6 — Up to 8 × 3.5", hot-swappable		RAID 5 — 4 × 3.5", hot-swappable	
Recording Storage Capacity		Up to 192 TB raw, 160 TB effective (RAID 6)		Up to 64 TB raw, 48 TB effective (RAID 6)		Up to 16 TB raw, 12 TB effective (RAID 5)	
Network Interface		4 × 1 GbE RJ-45 ports (1000Base-T) 4 × 10 GbE Direct Attach SFP+ ports		4 × 1 GbE RJ-45 ports (1000Base-T)		2 × 1 GbE RJ-45 ports (1000Base-T)	
Memory		Premium+: 8 × 8 GB Premium: 6 × 8 GB		2 × 8 GB			
Processor		2 × Intel® Xeon®		1 × Intel® Xeon®			
Local Viewing		No video outputs — Web-based administration only					
Out-of-band Management		iDRAC9 Express					
Warranty		5-year Next Business Day (NBD) with onsite parts delivery service. 4-hour mission critical warranty upgrade available.				3-year Next Business Day (NBD) with onsite parts delivery service. 4-hour mission critical warranty upgrade available.	

* Avigilon Appearance Search and facial recognition requires Enterprise version of the ACC software.

‡ Requires the use of multiple 1GbE ports, either in a team using LACP/ALB mode or using multiple VLANs.

† The maximum playback throughput for Premium and Premium+ can be increased by reducing the recording throughput.

ELECTRICAL		PREMIUM+ AND PREMIUM	STANDARD	VALUE
Power Input		100 to 240 V AC, 50/60 Hz, auto-switching		
Power	Supply	Dual 2400W redundant (1+1), (80 PLUS Platinum)	Single 1100W non-redundant (1+0), (80 PLUS Platinum) ¹	Single 350W (80 PLUS Platinum) ¹
	Consumption	Maximum 1100W (2559.1 BTU/h)	Maximum 750W (2559.1 BTU/h)	Maximum 350 W (1340 BTU/hr)

¹ Optional 2nd power supply available

SUPPLIED ACCESSORIES		PREMIUM+ AND PREMIUM	STANDARD	VALUE
Rack Rail System		Sliding rail system with cable management arm. Supports: • Tool-less mounting in 19" wide EIA-310-E compliant square hole and unthreaded round-hole 4-post racks • Tooled mounting in threaded hole 4-post racks		
Bezel		1, front		
Power Cord		2	1	1

CERTIFICATIONS	
Certifications/Directives	NDAA Compliant, TAA Compliant, UL, cUL, CE, RCM, BSMI, CCC, EAC, KC, NOM, NRCS, VCCI, RoHS, Reach (SVHC), WEEE, BIS

CERTIFICATIONS

Safety	UL/CSA/IEC/EN 62368-1
Electromagnetic Emissions	CFR Title 47, FCC Part 2, 15 Class A, ICES-003(A), EN 55032 Class A, EN 61000-3-2, EN 61000-3-3
Electromagnetic Immunity	EN 55024
Energy	Commission Regulation (EU) No. 617/2013, ENERGY STAR 2.0
ROHS	EN 50581:2012

ENVIRONMENTAL

OPERATING

STORAGE

Temperature	10° C to 35° C (50° F to 95° F)	-40° C to 65° C (-40° F to 149° F)
Humidity	10% to 80% relative humidity with 29°C (84.2°F) maximum dew point	5% to 95% RH with 33°C (91°F) maximum dew point. Atmosphere must be non-condensing at all times
Vibration	0.26 Grms at 5 Hz to 350 Hz	1.88 Grms at 10 Hz to 500 Hz for 15 min
Shock	One pulse on each side of the system of 71 G for up to 2 ms	Six consecutively executed shock pulses in the positive and negative x, y, and z axes (one pulse on each side of the system) of 71 G for up to 2 ms
Altitude	3,048 m (10,000 ft)	12,000 m (39,370 ft)

OUTLINE DIMENSIONS

[X.X]	INCHES
X	MM

AI NVR PREMIUM+ AND PREMIUM

FORM FACTOR

2U rack mount chassis

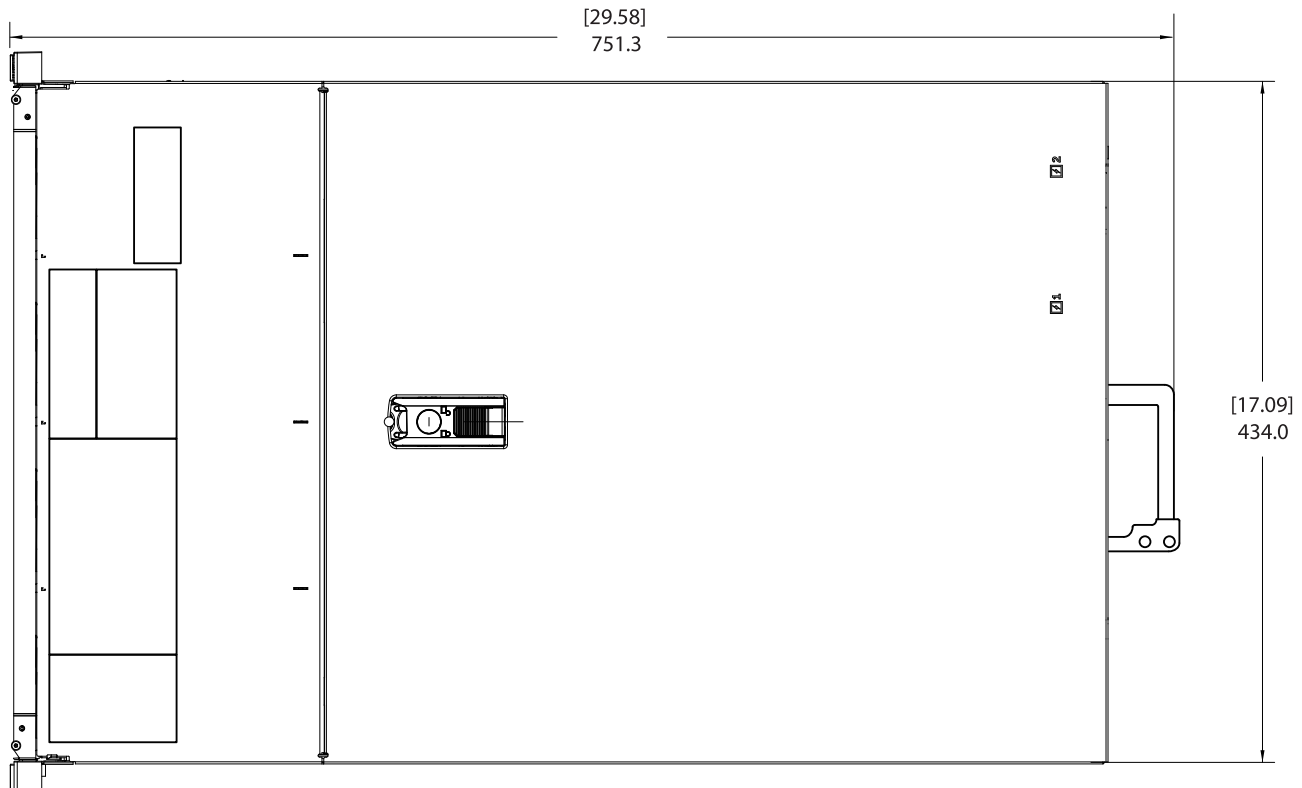
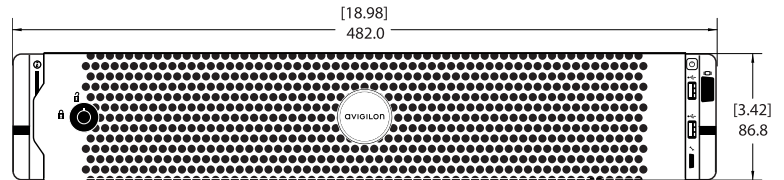
DIMENSIONS (L × W × H)

751.3 mm × 482.0 mm × 86.8 mm

29.58" × 18.98" × 3.42"

WEIGHT (WHEN FULLY POPULATED WITH HARD DRIVES)

33.1 kg [72.91 lbs]



AI NVR STANDARD

FORM FACTOR

2U rack mount chassis

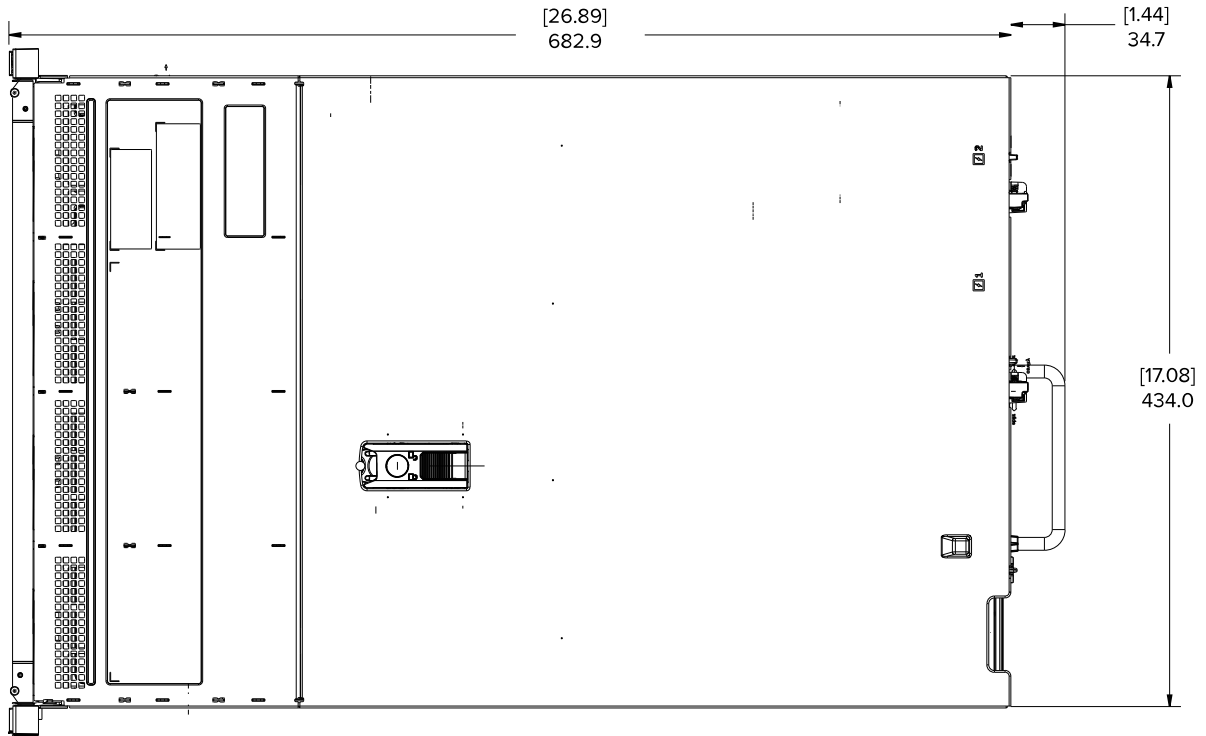
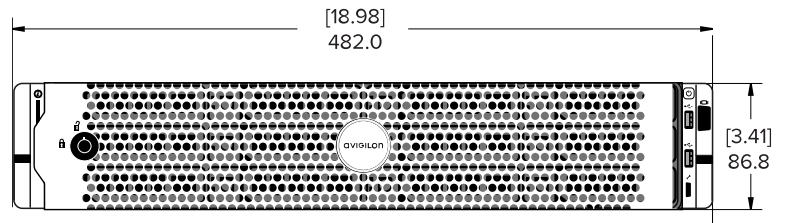
DIMENSIONS (L × W × H)

717.6 mm × 482.0 mm × 86.8 mm

[27¾" × 19" × 3.41"]

WEIGHT (WHEN FULLY POPULATED WITH HARD DRIVES)

34.5 kg [76 lbs]



AI NVR VALUE

FORM FACTOR

1U rack mount chassis

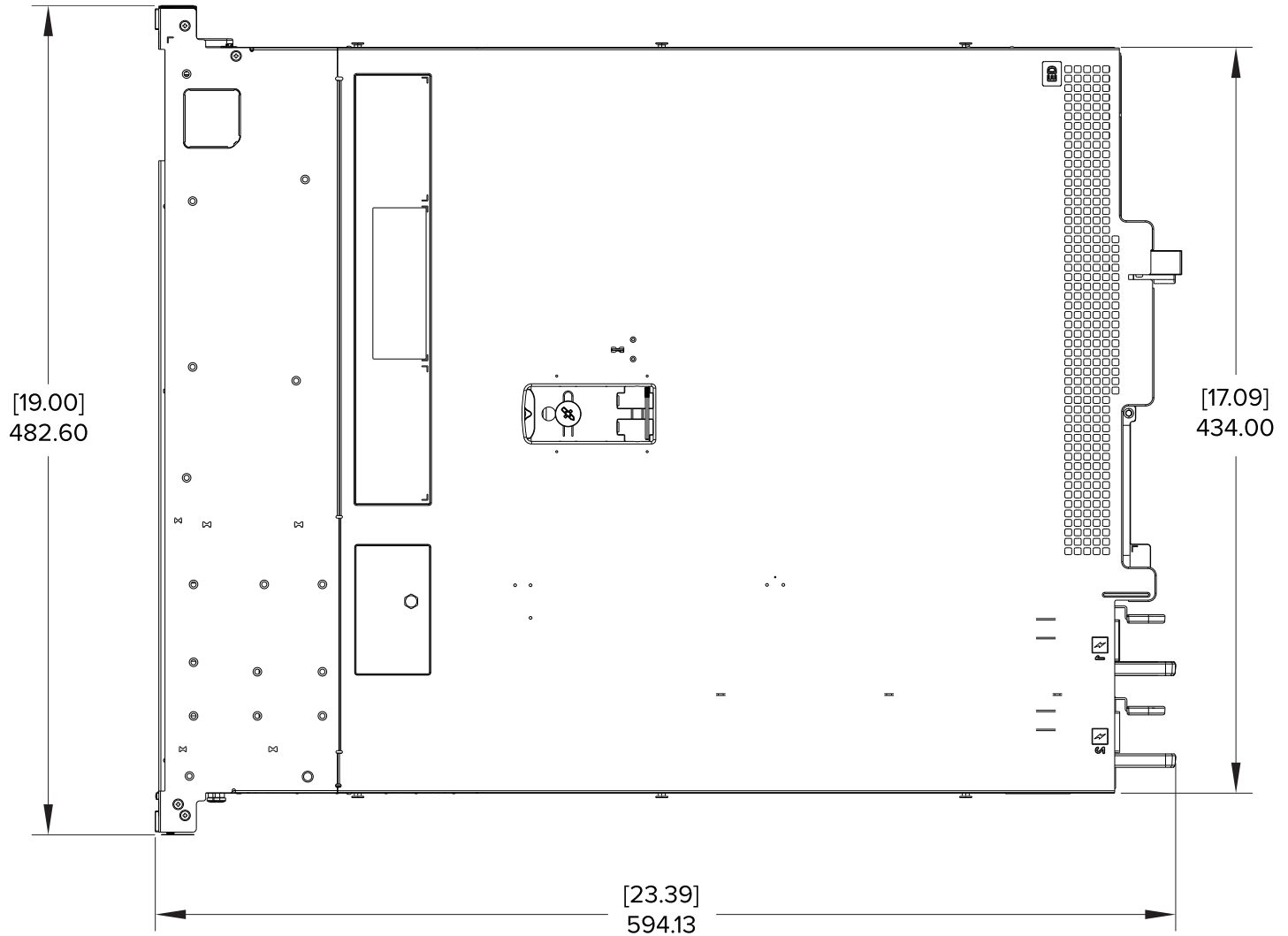
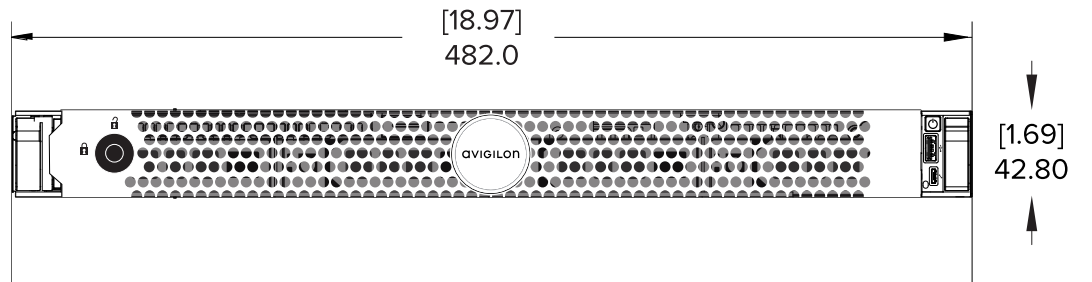
DIMENSIONS (L x W x H)

594.1 mm x 482.6 mm x 42.8 mm

[23½" x 19" x 1.69"]

WEIGHT

13.6 kg [30 lbs]



ORDERING INFORMATION

AI NVR PREMIUM+

AINVR-PRM-PLUS-64TB	AI NVR Premium+ 64 TB (80 TB Raw) with Avigilon Control Center
AINVR-PRM-PLUS-96TB	AI NVR Premium+ 96 TB (120 TB Raw) with Avigilon Control Center
AINVR-PRM-PLUS-128TB	AI NVR Premium+ 128 TB (160 TB Raw) with Avigilon Control Center
AINVR-PRM-PLUS-160TB	AI NVR Premium+ 160 TB (192 TB Raw) with Avigilon Control Center

Avigilon Control Center licenses must be purchased separately.

Avigilon Appearance Search and facial recognition requires Enterprise version of the ACC software.

AI NVR PREMIUM

AINVR-PRM-64TB	AI NVR Premium 64 TB (80 TB Raw) with Avigilon Control Center
AINVR-PRM-96TB	AI NVR Premium 96 TB (120 TB Raw) with Avigilon Control Center
AINVR-PRM-128TB	AI NVR Premium 128 TB (160 TB Raw) with Avigilon Control Center
AINVR-PRM-160TB	AI NVR Premium 160 TB (192 TB Raw) with Avigilon Control Center

Avigilon Control Center licenses must be purchased separately.

Avigilon Appearance Search and facial recognition requires Enterprise version of the ACC software.

AI NVR STANDARD

AINVR-STD-48TB	AI NVR Standard 48 TB (64 TB Raw) with Avigilon Control Center
AINVR-STD-32TB	AI NVR Standard 32 TB (48 TB Raw) with Avigilon Control Center
AINVR-STD-24TB	AI NVR Standard 24 TB (32 TB Raw) with Avigilon Control Center

Avigilon Control Center licenses must be purchased separately.

Avigilon Appearance Search and facial recognition requires Enterprise version of the ACC software.

AI NVR VALUE

AINVR-VAL-12TB	AI NVR Value 12 TB (16 TB Raw) with Avigilon Control Center
AINVR-VAL-6TB	AI NVR Value 6 TB (8 TB Raw) with Avigilon Control Center

Avigilon Control Center licenses must be purchased separately.

Avigilon Appearance Search and facial recognition requires Enterprise version of the ACC software.

AINVR-PRM-PLUS-nnTB-NA
AINVR-PRM-nnTB-NA
AINVR-STD-nnTB-NA
AINVR-VAL-nnTB-NA



AINVR-PRM-PLUS-nnTB-UK
AINVR-PRM-nnTB-UK
AINVR-STD-nnTB-UK
AINVR-VAL-nnTB-UK



AINVR-PRM-PLUS-nnTB-EU
AINVR-PRM-nnTB-EU
AINVR-STD-nnTB-EU
AINVR-VAL-nnTB-EU



AINVR-PRM-PLUS-nnTB-AU
AINVR-PRM-nnTB-AU
AINVR-STD-nnTB-AU
AINVR-VAL-nnTB-AU



SOFTWARE LICENSES

ACC7-ENT	ACC 7 Enterprise Edition license
ACC7-STD	ACC 7 Standard Edition license
ACC7-COR	ACC 7 Core Edition license
ACC7-VAC	ACC 7 Video Analytics feature channel license — Required for Classified Object Detection
ACC7-FACE	ACC 7 Face feature channel license
ACC7-FACE-10C	ACC 7 Face feature 10 channel license
ACC7-LPR	ACC 7 LPR lane license

OPTIONS AND ACCESSORIES

AINVR-STD-PRK	Performance Kit for AINVR-STD
AINVR-STD-10GBE	Network Card, QP 10G-SFP+, for AINVR-STD
AINVR-SFPPLUS-SR	SFP+ 10GBASE-SR Optical Transceiver (single) for AI NVR Premium+, AI NVR Premium, and AI NVR Standard
AINVR-PRM-2NDPS	Redundant, hot-swappable power supply for AINVR-PRM or AINVR-PRM-PLUS
AINVR-STD-2NDPS	Redundant, hot-swappable power supply for AINVR-STD
AINVR-VAL-2NDPS	Redundant, hot-swappable power supply for AINVR-VAL
AINVR-HDDS-HOT-16TB	Spare hard drive, 16TB, for AINVR PRM 128TB and AINVR PRM PLUS 128TB
AINVR-HDDS-HOT-12TB	Spare hard drive, 12TB, for AINVR PRM 96TB and AINVR PRM PLUS 96TB
AINVR-HDDS-HOT-8TB	Spare hard drive, 8TB, for AINVR PRM 64TB, AINVR PRM PLUS 64TB, and AINVR STD 32TB/48TB
AINVR-HDDS-HOT-4TB	Spare hard drive, 4TB, for AINVR STD 24TB, AINVR VAL 12TB
AINVR-HDDS-HOT-2TB	Spare hard drive, 2TB, for AINVR VAL 6TB
IDRAC9-ENT-UPG	iDRAC Enterprise upgrade
AINVR-PRM-WARR-5Y4HMC	4-hour MC (mission critical response) service-level agreement upgrade for AINVR-PRM or AINVR-PRM-PLUS
AINVR-STD-WARR-5Y4HMC	4-hour MC (mission critical response) service-level agreement upgrade for AINVR-STD
AINVR-VAL-WARR-5Y4HMC	4-hour MC (mission critical response) service-level agreement upgrade for AINVR-VAL
AINVR-KYD-WARR-5YR	Keep Your Drive warranty for AINVR-STD and AINVR-VAL

SUPPORT

Learn more and find additional documentation at [avigilon.com](https://www.avigilon.com) or email sales@avigilon.com for specific product support.



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sales@avigilon.com | [avigilon.com](https://www.avigilon.com)

H5A CORNER CAMERA 3 - 9 MM VARIFOCAL LENS

3 MP

5 MP

The Avigilon H5A Corner camera is an anti-ligature, no-grip and IK10+ impact-rated solution that is purpose-built to withstand the harshest attempts to destroy, detach, attach to or disable it. As an Avigilon H5 platform camera, the H5A Corner camera is embedded with Next-Generation Video Analytics for enhanced object detection and classification, Unusual Activity Detection (UAD), along with support for Facial Recognition technology and Avigilon Appearance Search™ technology to help ensure critical events do not go unnoticed.



FEATURES



NEXT-GENERATION VIDEO ANALYTICS

Detects more objects with expanded object classification and greater accuracy for faster responses, even in crowded scenes.



H.264 AND H.265 WITH HDSM SMARTCODEC™ TECHNOLOGY

Optimizes compression levels for regions in a scene to help maximize bandwidth savings and keep internet connectivity costs down.



FIPS 140-2 COMPLIANT

Brings increased data security with FIPS-compliant cryptography enabled on cameras¹.



ONVIF® COMPLIANT

ONVIF Profile S, T, G, and M compliance allows easy integration with existing ONVIF infrastructures.



AUDIO RECORDING CAPABILITIES

Records audio evidence via a built-in microphone that can be disabled if desired.



EASY TO CLEAN & REPAIR

Stainless steel variant and water-resistant design makes it easy to clean. Part replacements are simple using conventional tools without having to remove the entire camera, minimizing downtime.



WATER, IMPACT & ENCLOSURE RATED

IP67 rating for water resistance, IK10+ impact rating for vandal resistance and NEMA 4X enclosure rating² for windblown dust, water (e.g. rain, hose-directed water) and corrosion resistance.



EXTENDED TEMPERATURE RANGE

Continuously records between -40 °C to 55 °C (-40 °F to 131 °F).



INVISIBLE IR LED LIGHT

Ensures there is no visible glow to disturb the subject being monitored or notify them that the camera is on.



LIGHTCATCHER™ TECHNOLOGY

Offers excellent image detail in low-light settings.

ONVIF is a trademark of Onvif, Inc.

¹ Optional purchase of FIPS Level 1 camera license.

² NEMA 4X rating only applies to the stainless steel variant.

SPECIFICATIONS

IMAGE PERFORMANCE		3.0 MP	5.0 MP
Image Sensor		1/2.8" progressive scan CMOS	
Max Resolution (H x V) and Aspect Ratio		(4:3) 2048 x 1536 (16:9) 1920 x 1080	(4:3) 2592 x 1944 (16:9) 2560 x 1440
Dynamic Range	WDR Off:	83 dB	
	WDR On:	126 dB	
Max Frame Rate	WDR Off:	(50 Hz/60 Hz) 25 fps/30 fps	
	WDR On:	(50 Hz/60 Hz) 20 fps/20 fps	
Max Image Rate		WDR off (50 Hz/60 Hz): 25 fps/30 fps WDR on (50 Hz/60 Hz): 20 fps/20 fps	
Bandwidth Management		HDSM SmartCodec technology; Idle scene mode	
3D Noise Reduction Filter		Yes	

LENS AND IR ILLUMINATION	
Lens	3 - 9 mm
IR Illumination Max Distance ¹ (high power 940 nm LED)	15 m (49 ft)
Minimum Illumination	0.027 lux in color mode, 0.014 lux in monochrome mode, 0 lux with IR
Horizontal Angle of View Based on Aspect Ratio	(4:3)(16:9) 34° – 105°
Vertical Angle of View Based on Aspect Ratio	(4:3) 26° – 77° (16:9) 19° – 57°
Max Aperture	F1.3

¹ IR illumination power may be reduced at higher operating temperatures.

IMAGE CONTROL	
Image Compression Method	H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG
Streaming	Multi-stream H.264, Multi-stream H.265, Motion JPEG, HDSM™ 2.0
Motion Detection	Pixel motion: Selectable sensitivity and threshold. Classified object detection
Camera Tamper Detection	Yes
Electronic Shutter Control	Automatic, Manual (1/7 to 1/8196 sec)
Day/Night Control	Automatic, Manual
Flicker Control	60 Hz, 50 Hz
White Balance	Automatic, Manual
Backlight Compensation	Adjustable
Privacy Zones	Up to 64 zones

NETWORK	
Network	100BASE-TX, RJ45 Connector, CAT5e Cabling
ONVIF	ONVIF compliance version 1.02, 2.00, Profile S, Profile T, Profile G, Profile M (www.onvif.org)
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, FIPS 140-2 L1 (with optional camera license), FIPS 140-2 L3 (with optional accessory)
Protocols	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv2, ICMP, DHCP, Zeroconf, ARP, HSTS
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP
Device Management Protocols	SNMP v2c, SNMP v3

PERIPHERALS	
USB Port	USB 2.0
Onboard Storage	microSD/microSDHC/microSDXC slot – video speed class card required. Class V10 or better recommended.

AUXILIARY I/O	
Audio Compression Method	G.711 PCM 8 kHz, Opus
Audio Input/Output	Line level I/O or built-in microphone
External I/O Terminals	Alarm In, Alarm Out

MECHANICAL	
Dimensions (LxWxH)	163 mm x 163 mm x 121 mm; 6.4" x 6.4" x 4.8"
Weight	3.21 kg (7.2 lbs)
Minimum Mounting Height	2.75 m (9')
Dome Bubble	Polycarbonate
Body	Stainless steel / Cold rolled steel
Housing	Corner mount, vandal resistant
Finish	Bead blasted and electro-polished / Cast, powder coated, Pantone 427C
Recording LED	Yes
Built-in Microphone	Yes
Adjustment Range	±5° tilt

ELECTRICAL			
Power Consumption	13 W max (11 W with no IR or IR disabled)		
Power Source	VDC: 12 V ± 10%, 12 W min	VAC: 24 V ± 10%, 13 VA min	PoE: IEEE802.3af Class 3 compliant
RTC Backup Battery	3V manganese lithium		

ENVIRONMENTAL	
Operating Temperature	-40 °C to +55 °C (-40 °F to 131 °F)
IR Illuminator Behavior	IR illuminator will turn off if the temperature is 50 °C (122 °F) or higher. The illuminator will operate at 50% power if the temperature is between 40 °C (104 °F) and 49 °C (120 °F). Hysteresis: 2 °C (3.6 °F).
Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)
Humidity	0 - 95% non-condensing

CERTIFICATIONS	
Certifications/Directives	UL, cUL, CE, ROHS, Reach (SVHC), RCM, EAC, KC, BIS, UKCA
Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC 62471 (with -IR option)
Environmental	UL/CSA/IEC 60950-22, IEC 60529 IP66 and IP67 Weather Rating, NEMA 4X for stainless steel enclosure only, IK10+ Impact Rating
Electromagnetic Emissions	FCC Part 15 Subpart B Class B, IC ICES-003 Class B, EN 55032 Class B, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3
Electromagnetic Immunity	EN 55035, EN 61000-6-1

ANALYTICS SPECIFICATIONS

SUPPORTED ANALYTICS EVENTS	
Objects in Area	The event is triggered when the selected object type moves into the region of interest.
Object Loitering	The event is triggered when the selected object type moves into the region of interest and then stays for an extended amount of time.
Objects Crossing Beam	The event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view. The beam can be unidirectional or bidirectional.
Object Appears or Enters Area	The event is triggered by each object that enters the region of interest. This event can be used to count objects.

SUPPORTED ANALYTICS EVENTS

Object Not Present in Area	The event is triggered when no objects are present in the region of interest.
Objects Enter Area	The event is triggered when the specified number of objects have entered the region of interest.
Objects Leave Area	The event is triggered when the specified number of objects have left the region of interest.
Object Stops in Area	The event is triggered when an object moves into a region of interest and then stops moving for the specified threshold time.
Direction Violated	The event is triggered when an object moves in the prohibited direction of travel.
Tamper Detection	The event is triggered when the scene unexpectedly changes.

SUPPORTED CLASSIFIED OBJECT TYPES

Object Types in Outdoor Mode	Vehicle, sub-types: Car, Truck, Bicycle, Motorcycle, Bus Person
Object Types in Indoor Mode	Person

TEACH BY EXAMPLE

Teach By Example	Yes, when used with Avigilon Control Center™
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AVIGILON CONTROL CENTER (ACC) VERSIONS SUPPORTED FEATURES

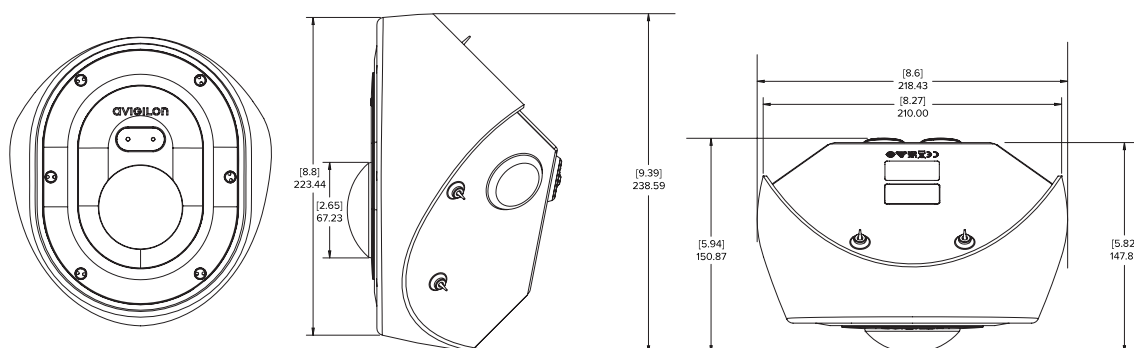
ACC Version 6.14.12 or higher	All supported analytic events with two types of classified objects: person or vehicle. Appearance search when paired with appropriate server hardware. H.265 supported.
ACC Version 7.2 or higher	All supported analytic events with people and vehicles and all vehicle sub-types as classified objects. Appearance search when paired with appropriate server hardware. H.265 supported.

OUTLINE DIMENSIONS

H5A CORNER CAMERA

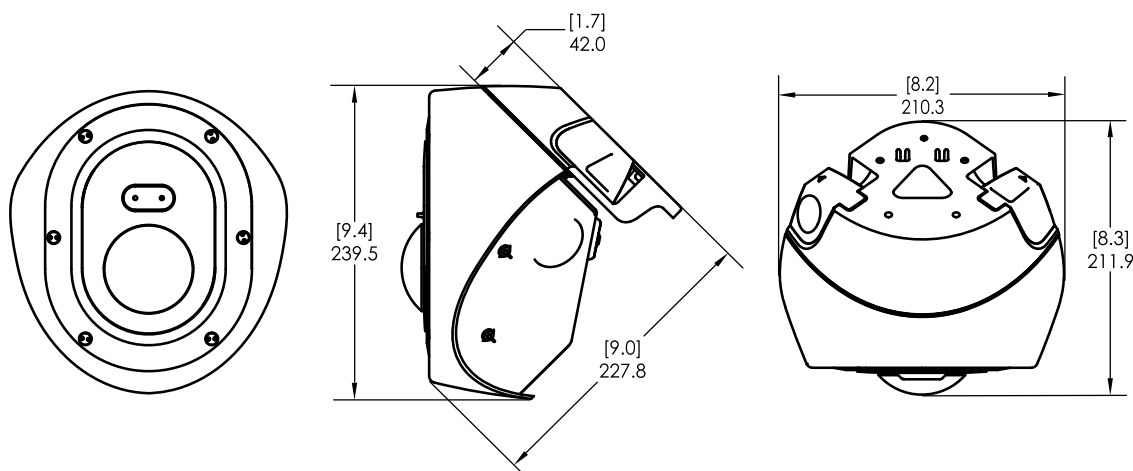
(3.0C-H5A-CR1-IR/3.0C-H5A-CR1-IR-SS/5.0C-H5A-CR1-IR/5.0C-H5A-CR1-IR-SS)

[X.X]	INCHES
X	MM



H5A CORNER CAMERA WITH CONDUIT BOX

(3.0C-H5A-CR1-IR/3.0C-H5A-CR1-IR-SS/5.0C-H5A-CR1-IR/5.0C-H5A-CR1-IR-SS WITH CNBX-1001)



ORDERING INFORMATION

	MP	WDR	ANALYTICS	LENS	IR	BODY	FINISH
3.0C-H5A-CR1-IR	3.0	✓	✓	3 - 9 mm	✓	Cold Rolled Steel	Powder Coat
3.0C-H5A-CR1-IR-SS	3.0	✓	✓	3 - 9 mm	✓	Stainless Steel	Bead Blasted & Polished
5.0C-H5A-CR1-IR	5.0	✓	✓	3 - 9 mm	✓	Cold Rolled Steel	Powder Coat
5.0C-H5A-CR1-IR-SS	5.0	✓	✓	3 - 9 mm	✓	Stainless Steel	Bead Blasted & Polished

OPTIONAL CAMERA LICENSES AND ACCESSORIES

CNBX-1001	Conduit gang box, powder coated aluminum die-cast, white (accepts 12.7 mm/0.5 " or 19.05 mm/0.75 " conduit pipe)
USB-AC56-NA-MSI / USB-AC56-EU-MSI	USB Wi-Fi Adapter
CM-AC-AVIO1	3.5 mm jack with 1.8 m fly wire
CAM-FIPS	Camera license to enable FIPS Level 1 cryptographic mode on any H5A camera
CR-FFKIT-SS	Replacement faceplate for stainless steel corner camera models
CR-FFKIT-WHT	Replacement faceplate for white steel corner camera models

¹ Excludes H5A Explosion-Protected camera line.

SUPPORT

Learn more and find additional documentation at [avigilon.com](https://www.avigilon.com) or email sales@avigilon.com for specific product support.



AVIGILON™

Oct 2023 | Rev 7

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H5A Dual Head Camera

2 x 3 MP

2 x 5 MP

This cost-effective and low profile dual-sensor camera brings enhanced security to any site by increasing coverage and minimizing blind spots for those hard to secure areas. Built with small spaces in mind, the H5A Dual Head provides areas such as hallways, stairwells, and corner intersections, or any application that requires the coverage of two cameras installed in close proximity with high imaging quality, even with its small footprint. The H5A Dual Head camera's advanced analytic capabilities further improve situational awareness by enabling security teams to respond swiftly to potentially critical events.



Features



Next-Generation Video Analytics

Detects more objects with expanded object classification and greater accuracy for faster responses, even in crowded scenes.



COVID-19 response technology

Features Avigilon video analytics for Occupancy Counting and No Face Mask Detection, supporting facilities' health and safety efforts to curb the spread of COVID-19.



ONVIF® Compliant

Native ONVIF Profile S, T, G, and M compliance allows easy integration with existing ONVIF infrastructures.



Improved Coverage, Minimal Blind Spots

Provides increased area coverage, while minimizing blind spots for enhanced security with a single camera installation, for long hallways, L-shaped hallway intersections, or stairwells to monitor both up and down staircases.



Cost-Effective

As a dual-head sensor, sites can lower their overall deployment costs by reducing camera count, network infrastructure, power and cabling, installation labor, and VMS licensing costs.



FIPS 140-2 Compliant

Brings increased data security with FIPS-compliant cryptography enabled on cameras².

ONVIF is a trademark of Onvif, Inc.

² Optional purchase of FIPS Level 1 camera license.

Specifications

Image Performance		2 × 3.0 MP	2 × 5.0 MP
Image Sensor		1/2.7" progressive scan CMOS	
Max Resolution (H x V) and Aspect Ratio		(4:3) 2048 x 1536	(4:3) 2592 x 1944
2x Image Sensor, Max Resolution		4096 x 1536	5184 x 1944
Dynamic Range	WDR Off:	Up to 82 dB	
	WDR On:	Up to 120 dB	
Max Image Rate (60 Hz/50 Hz)	Analytics ¹	24 / 25 fps	15 / 12.5 fps
	High Framerate mode	30 / 25 fps	24 / 20 fps
Bandwidth Management		HDSM SmartCodec technology; Idle scene mode	
3D Noise Reduction Filter		Yes	

¹ Maximum image rate with analytics enabled on all sensors.

Lens and IR Illumination	
Lens	3.35 - 7.0 mm, F/1.93 remote focus and zoom, fixed iris
IR Illumination Max Distance ² (high power 850 nm LEDs)	Wide: 15 m (49 ft) Tele: 30 m (98 ft)
Minimum Illumination	0.1 lux in color mode, 0.05 lux in monochrome mode, 0 lux with IR on
Horizontal Angle of View	43° - 91°
Vertical Angle of View	32° - 67°

² IR illumination power may be reduced at higher operating temperatures.

Image Control	
Image Compression Method	H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG
Streaming	Multi-stream H.264, Multi-stream H.265, Motion JPEG
Motion Detection	Pixel motion: Selectable sensitivity and threshold. Classified object detection
Camera Tamper Detection	Yes, when analytics are enabled
Electronic Shutter Control	Automatic, Manual (1/7.5 to 1/8000 sec)
Iris Control	N/A
Day/Night Control	Automatic, Manual
Flicker Control	50 Hz, 60 Hz
White Balance	Automatic, Manual
Backlight Compensation	Adjustable
Privacy Zones	Up to 64 zones

Network	
Network	100BASE-TX, RJ45 Connector, CAT5e Cabling
ONVIF	ONVIF compliance version Profile S, Profile T, Profile G, and Profile M (www.onvif.org)
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, FIPS 140-2 L1 (with optional camera license), Signed and encrypted firmware
Protocols	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv2, ICMP, DHCP, Zeroconf, HSTS, QoS, DSCP
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP
Device Management Protocols	SNMP v2c, SNMP v3

Peripherals	
USB Port	USB 2.0
Onboard Storage	2 x microSD/microSDHC/microSDXC slots - video speed class card required. Class V10 or better recommended.

Auxiliary I/O	
Audio Compression Method	Opus, G.711 PCM 8 kHz
Audio Input/Output	Line level input and output
External I/O Terminals	Alarm In, Alarm Out

Mechanical	Direct Surface Mount	Surface Mount with Junction Box	Pendant Mount with NPT Adapter	Pendant Mount with NPT+ Wall Mount
Dimensions (LxWxH)	218 mm x 118 mm x 82 mm; 8.6" x 4.6" x 3.2"	237 mm x 136 mm x 120 mm; 9.3" x 5.4" x 4.7"	230 mm x 129 mm x 146 mm; 9.0" x 5.0" x 5.8"	230 mm x 235mm x 227 mm; 9.0" x 9.2" x 8.9"
Weight	1.25 kg (2.75 lbs)	2.33 kg (5.13 lbs)	1.67 kg (3.67 lbs)	3.07 kg (6.75 lbs)
Body	Aluminum			
Finish	Cast, powder coated, close to RAL9002			
Adjustment Range	Pan: 180°, Azimuth: 360°, Tilt: 30° - 95° tilt (recommended), 10° - 95° tilt (maximum)			

Electrical	
Power Consumption	13 W max
Power Source	PoE: IEEE802.3af Class 3 compliant
RTC Backup Battery	3V manganese lithium
Memory	2 GB RAM, 512 MB Flash

Environmental	
Operating Temperature	-30 °C to +60 °C (-22 °F to 140 °F), in enclosed space -30 °C to +65 °C (-22 °F to 149 °F), with ambient convection Cold start delay of up to 10 min at -30 °C (-22 °F). Camera may restart during startup delay
IR Illuminator Behavior	IR illuminator will turn off if the temperature is 55 °C (131 °F) or higher. The illuminator will operate at 50% power if the temperature is between 45 °C (113 °F) and 54 °C (129 °F). The illuminator will operate at 50% power if the temperature is below -25 °C (-13 °F), with ambient convection.
Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)
Humidity	0 - 95% non-condensing

Certifications	
Certifications/Directives	UL, cUL, CE, UKCA, ROHS, REACH, RCM, KC, EAC, BIS, NOM
Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC 62471
Environmental	UL/CSA/IEC 60950-22, IEC 62262 IK10 Impact Rating IEC 60529 IP66 and IP67 Weather Rating (H5DH-DO1-IR models only)
Electromagnetic Emissions	FCC Part 15 Subpart B Class B, IC ICES-003 Class B, EN 55032 Class B, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3, EN 50121-4
Electromagnetic Immunity	EN 55035, EN 61000-6-1, EN 50130-4, EN 50121-4

Analytics Specifications

Supported Analytics Events	
Objects in Area	The event is triggered when the selected object type moves into the region of interest.
Object Loitering	The event is triggered when the selected object type moves into the region of interest and then stays for an extended amount of time.
Objects Crossing Beam	The event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view. The beam can be unidirectional or bidirectional.
Object Appears or Enters Area	The event is triggered by each object that enters the region of interest. This event can be used to count objects.
Object Not Present in Area	The event is triggered when no objects are present in the region of interest.
Objects Enter Area	The event is triggered when the specified number of objects have entered the region of interest.
Objects Leave Area	The event is triggered when the specified number of objects have left the region of interest.
Object Stops in Area	The event is triggered when an object moves into a region of interest and then stops moving for the specified threshold time.
Direction Violated	The event is triggered when an object moves in the prohibited direction of travel.
Tamper Detection	The event is triggered when the scene unexpectedly changes.

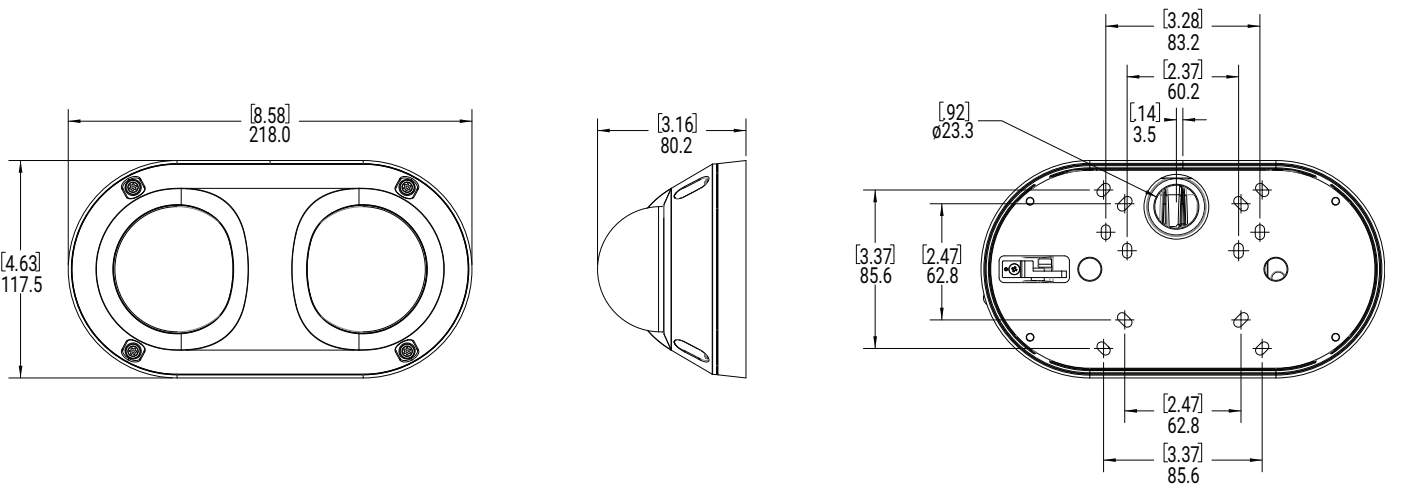
Supported Classified Object Types	
Object Types in Outdoor Mode	Vehicle, sub-types: Car, Truck, Bicycle, Motorcycle, Bus Person
Object Types in Indoor Mode	Person

Teach by Example	
Teach By Example	Yes, when used with Avigilon Control Center™ or Avigilon Unity Video

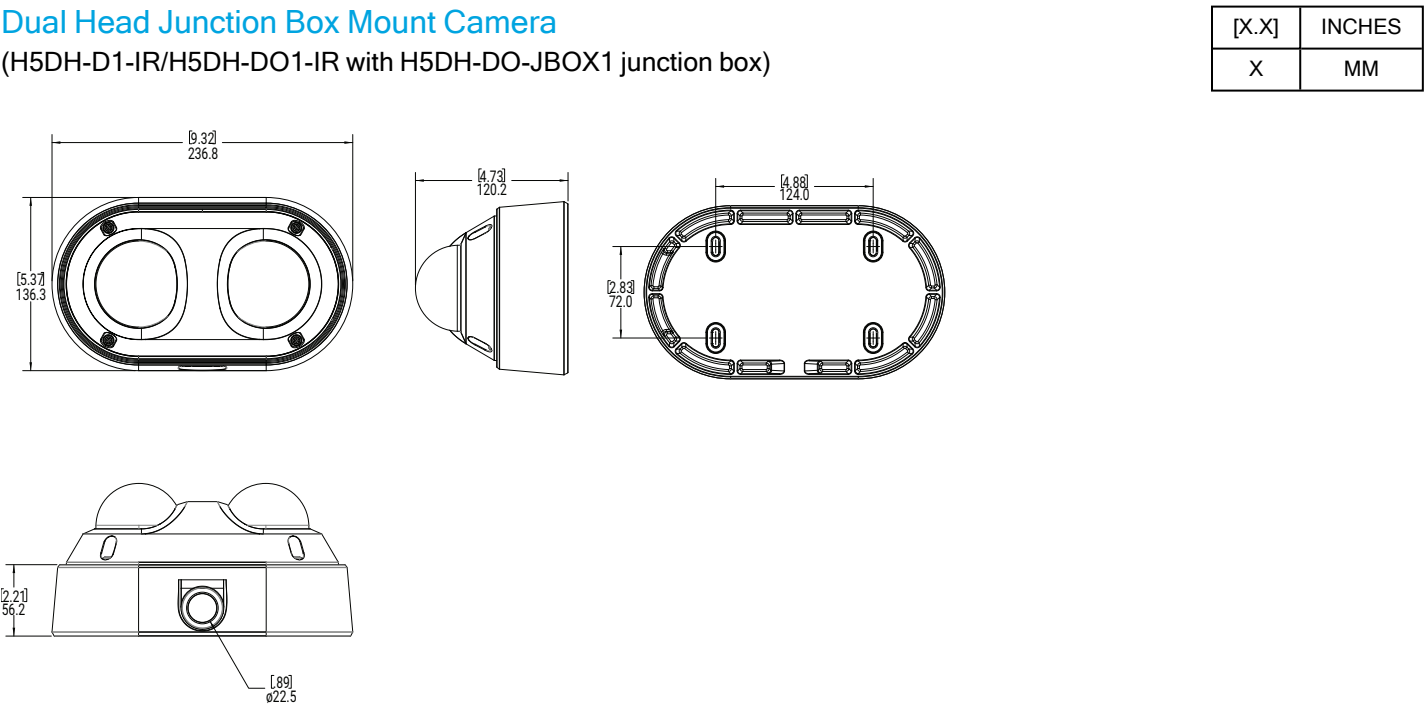
Avigilon Control Center (ACC) Versions Supported Features	
ACC Version 6.14.12 or higher	All supported analytic events with two types of classified objects: person or vehicle. Appearance search when paired with appropriate server hardware. H.265 supported.
ACC Version 7.2 or higher	All supported analytic events with people and vehicles and all vehicle sub-types as classified objects. Appearance search when paired with appropriate server hardware. H.265 supported.

Outline Dimensions

Dual Head Surface Mount Camera (H5DH-D1-IR/H5DH-DO1-IR)



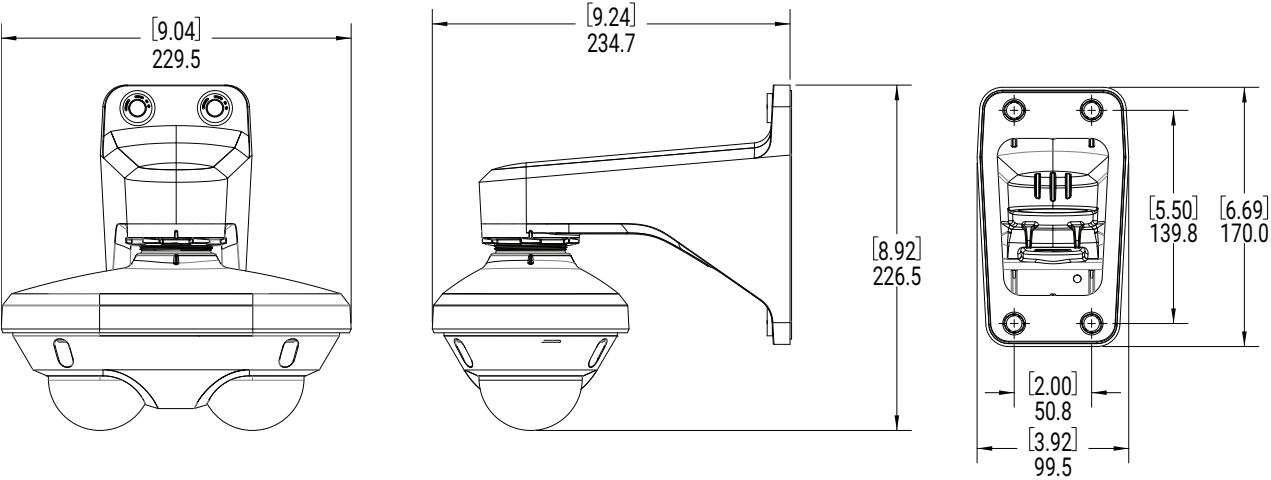
Dual Head Junction Box Mount Camera (H5DH-D1-IR/H5DH-DO1-IR with H5DH-DO-JBOX1 junction box)



Dual Head Pendant Mount Camera

(H5DH-D1-IR/H5DH-DO1-IR with H5DH-MT-NPTA1 adapter and WLMT-1021 wall arm)

[X.X]	INCHES
X	MM



Ordering Information

	MP	WDR	Analytics	Lens	IP66/IP67	IR LEDs
6.0C-H5DH-D1-IR (Discontinued)	2 × 3.0	✓	✓	3.35 - 7.0 mm		✓
6.0C-H5DH-DO1-IR	2 × 3.0	✓	✓	3.35 - 7.0 mm	✓	✓
10.0C-H5DH-D1-IR (Discontinued)	2 × 5.0	✓	✓	3.35 - 7.0 mm		✓
10.0C-H5DH-DO1-IR	2 × 5.0	✓	✓	3.35 - 7.0 mm	✓	✓

H5DH-DO-CLER1	Replacement outdoor dome cover
H5DH-DI-CLER1	Replacement indoor dome cover
H5DH-DO-JBOX1	Optional junction box mounting adapter
H5DH-MT-NPTA1	Optional pendant NPT mounting adapter
WLMT-1021	Pendant wall mount arm
PLMT-1001	Aluminum pole mounting bracket for pendant dome cameras, compatible with WLMT-1021
CRNMT-1001	Aluminum corner mounting bracket for pendant dome cameras, compatible with WLMT-1021

Optional Camera Licenses and accessories

CAM-FIPS	Camera license to enable FIPS Level 1 cryptographic mode on any H5A camera
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[†] Excludes H5A Explosion-Protected camera line.

Support

Learn more and find additional documentation at [avigilon.com](https://www.avigilon.com) or email sales@avigilon.com for specific product support.



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H5A Fisheye Camera

8 MP

12 MP

The Avigilon H5A Fisheye Camera is a cost-effective and easy-to-install solution that provides 360° panoramic views of large areas from a single vantage point, bringing superior situational awareness without any blind spots. Facilities such as schools, retailers, offices, hospitals and manufacturing plants can leverage the camera's high-resolution video to monitor processes and optimize operational efficiencies, along with its analytics and AI capabilities to proactively detect critical events and enhance the productivity of security teams.



Features



360° Panoramic Views

Provides 360° coverage from a single vantage point to help lower overall video security deployment costs.



H.264 and H.265 with HDSM SmartCodec™ Technology

Optimizes compression levels for regions in a scene to help maximize bandwidth savings and keep internet connectivity costs down.



Low-profile & Easy-to-install Design

Offers unobtrusive monitoring with a paintable front plate¹ that can be customized to fit in with interior aesthetics, backed by an easy installation.



FIPS 140-2 Compliant

Brings increased data security with FIPS-compliant cryptography enabled on cameras².



ONVIF® Compliant

ONVIF Profile S, T, G, and M compliance allows easy integration with existing ONVIF infrastructures.



Next-Generation Video Analytics

Detects more people with greater accuracy, even in crowded scenes, to support faster responses.



Water & Impact Rated³

IP66/67 rating for water resistance and IK10 impact rating for vandal resistance.



Wide Dynamic Range

Captures details in scenes with both very bright and very dark areas.



Adaptive IR Technology³

Provides optimal brightness in scenes with low-light for high-resolution image detail.



Audio Recording Capabilities

Built-in microphone offers an optional audio recording capability for additional evidentiary detail.

ONVIF is a trademark of Onvif, Inc.

¹ Available on in-ceiling mount only.

² Optional purchase of FIPS Level 1 camera license.

³ Available on surface mount only.



MOTOROLA SOLUTIONS

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Specifications

Image Performance		8.0 MP	12.0 MP
Image Sensor		1/1.8" progressive scan CMOS	1/2.3" progressive scan CMOS
Active Pixels (H x V)		2048 x 2048	3008 x 3008
Imaging Area (H x V)		4.096 mm x 4.096 mm	4.662 mm x 4.662 mm
Warped 360° Video Streaming Resolutions	Primary Stream	2048 x 2048	3008 x 3008
	Secondary Stream	512 x 512; 384 x 384	512 x 512; 384 x 384
	Tertiary Stream	320 x 320	320 x 320
Dewarped Video Streaming Resolutions	Primary Stream	180° x 2 (2304 x 928); 120° x 3 (1536 x 928); 90° x 4 (1152 x 928)	180° x 2 (3072 x 1232); 120° x 3 (2048 x 1232); 90° x 4 (1536 x 1232)
	Secondary Stream	180° x 2 (576 x 232); 120° x 3 (384 x 232); 90° x 4 (288 x 232)	180° x 2 (768 x 304); 120° x 3 (512 x 304); 90° x 4 (384 x 304)
Horizontal Angle of View (HFOV)		180°	
Max Image Rate		(50 Hz/60 Hz): 25 fps/30 fps	(30 Hz/60 Hz): 15 fps/30 fps ¹
Dynamic Range	WDR Off:	Up to 83 dB	
	WDR On:	Up to 120 dB	
Camera Operating Mode		Full feature or Dewarped video mode (Analytics disabled in Dewarped video mode)	Full feature, High framerate, or Dewarped video mode (Analytics disabled in High framerate and Dewarped video modes)
Bandwidth Management		HDSM SmartCodec technology; Idle scene mode	
3D Noise Reduction Filter		Yes	

¹ Max Frame Rate of 30 fps is only achievable with High Frame Rate mode enabled. High Frame Rate mode will disable analytics.

Lens and IR Illumination		8.0 MP	12.0 MP
Lens		1.4 mm	1.6 mm
IR Illumination Max Distance (high power 850 nm LEDs)		17 m (55 ft) max distance at 0 lux	12 m (39 ft) max distance at 0 lux
Minimum Illumination	With IR	0 lux	0 lux
	Without IR	0.10 lux in monochrome mode; 0.20 lux in color mode	0.19 lux in monochrome mode; 0.38 lux in color mode
Field of View		360°	
Max Aperture		F2.0	
Control		Fixed iris	

Image Control	
Image Compression Method	H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG
Streaming	Multi-stream H.264, Multi-stream H.265, Motion JPEG
Motion Detection	Pixel motion and classified object detection
Tamper Detection	Yes
Electronic Shutter Control	Automatic, Manual (1/6 to 1/8000 sec)
Iris Control	Fixed
Day/Night Control	Automatic, Manual
Flicker Control	60 Hz, 50 Hz
White Balance	Automatic, Manual
Backlight Compensation	Adjustable
Privacy Zones	Up to 64 zones

Network	
Network	100BASE-TX, RJ45 Connector, CAT5e Cabling
ONVIF	ONVIF compliance Profile S, Profile T, Profile G, and Profile M (www.onvif.org)
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, FIPS 140-2 L1 (with optional camera license)
Protocols	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv3, ICMP, DHCP, Zeroconf, ARP, HSTS, QoS, DSCP
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP
Device Management Protocols	SNMP v2c, SNMP v3

Peripherals	
Onboard Storage	2 x microSD/microSDHC/microSDXC slots - video speed class card required. Class V10 or better recommended. Currently one of the two SD card slots is available for onboard storage.

Auxiliary I/O	
Audio Compression Method	Opus, G.711 PCM 8 kHz
Audio Input/Output	Line level I/O and built-in microphone (can be enabled)
External I/O Terminals	Alarm In, Alarm Out

Mechanical		Surface Mount	In-Ceiling Mount
Dimensions (LxWxH)	Camera	145.5 mm x 145.5 mm x 62 mm; 5.72" x 5.72" x 2.44"	200.6 mm x 200.6 mm x 14.2 mm; 7.9" x 7.9" x 0.56"
	With Mounting Plate	145.5 mm x 145.5 mm x 62 mm; 5.72" x 5.72" x 2.44"	N/A
	With NPT Adapter	158 mm x 158 mm x 103 mm; 6.2" x 6.2" x 4.1"	N/A
Weight	Camera	0.52 kg (1.15 lbs)	0.595 kg (1.31 lbs)
	With Mounting Plate	0.605 kg (1.33 lbs)	N/A
	With NPT Adapter	0.838 kg (1.83 lbs)	N/A
Max. Ceiling Thickness		N/A	31.75 mm; 1.25"
Dome Bubble		Polycarbonate, clear	N/A
Body		Aluminum	Polycarbonate
Housing		Aluminum	Polycarbonate
Finish		Cast, powder coated, close to RAL9002	Plastic, injection molded, close to RAL9002

Electrical		Surface Mount	In-Ceiling Mount
Power Consumption		With IR: 26 W Without IR: 11 W	11 W
Power Source		VDC: 12 V +/-10%, 26 W min PoE: IEEE 802.3af Class 3 PoE+: IEEE 802.3at Class 4	VDC: 12 V +/-10%, 11 W min PoE: IEEE 802.3af Class 3
Power Connector		2-pin terminal block	
RTC Battery Backup		3V manganese lithium	
Memory		2 GB RAM, 512 MB Flash	

Environmental		Surface Mount	In-Ceiling Mount
Operating Temperature		-40 °C to +60 °C (-40 °F to 140 °F)	-10 °C to +60 °C (14 °F to 140 °F)
IR Illuminator Behavior		IR illuminator will turn off if the temperature is 55 °C (131 °F) or higher. The illuminator will operate at 75% power if the temperature is between 27 °C (80 °F) and 39 °C (102 °F) and will operate at 40% power if the	N/A

Environmental	Surface Mount	In-Ceiling Mount
	temperature is between 39 °C (102 °F) and 55 °C (131 °F). Hysteresis: 2 °C (3.6 °F).	
Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)	
Humidity	0 - 95% non-condensing	

Certifications	Surface Mount	In-Ceiling Mount
Certifications/Approvals	UL, cUL, CE, ROHS, RCM, EAC, UKCA, KC, BIS, NOM	
Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC 62471	
Environmental	IK10 Impact Rating, IP66 and IP67 Weather Rating	IP5X Ingress Rating
Electromagnetic Emissions	FCC Part 15 Subpart B Class B, IC ICES-003 Class B, EN 55032 Class B, EN 50121-4, EN 50130-4, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3	
Electromagnetic Immunity	EN 50121-4, EN 50130-4, EN 55035, EN 61000-6-1	

Analytics Specifications

Supported Analytics Events ¹	
Objects in Area	The event is triggered when the selected object type moves into the region of interest.
Object Loitering	The event is triggered when the selected object type moves into the region of interest and then stays for an extended amount of time.
Objects Crossing Beam	The event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view. The beam can be unidirectional or bidirectional.
Object Appears or Enters Area	The event is triggered by each object that enters the region of interest. This event can be used to count objects.
Object Not Present in Area	The event is triggered when no objects are present in the region of interest.
Objects Enter Area	The event is triggered when the specified number of objects have entered the region of interest.
Objects Leave Area	The event is triggered when the specified number of objects have left the region of interest.
Object Stops in Area	The event is triggered when an object moves into a region of interest and then stops moving for the specified threshold time.
Direction Violated	The event is triggered when an object moves in the prohibited direction of travel.
Tamper Detection	The event is triggered when the scene unexpectedly changes.

Supported Classified Object Types ¹	
Object Types	Person

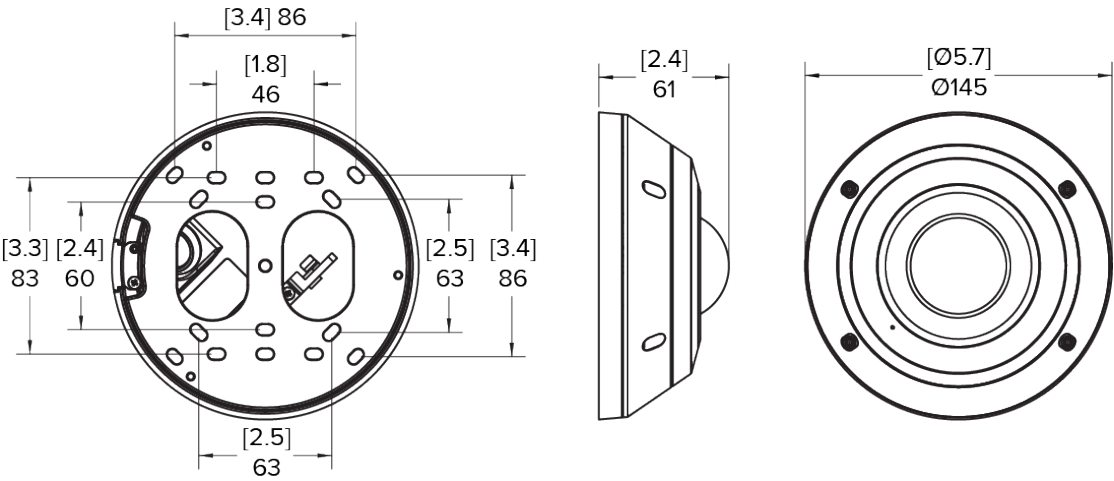
¹ Analytics are supported when the camera is installed in the ceiling-mounted orientation mode. There is an analytics blind spot in the middle 20% of the fisheye field of view. Objects will be detected moving in and out of the blind spot, but will not be detected when they are inside the blind spot.

Avigilon Control Center (ACC) Versions Supported Features	
ACC Version 6.14.24 or higher	H.265 supported. Fisheye dewarping is not supported on ACC versions earlier than 6.14.24. Analytics are only supported on ACC 7 systems.
ACC Version 7.12.4 or higher	All supported analytic events with people as classified objects. H.265 supported. Fisheye dewarping is not supported on ACC versions earlier than 7.12.2.

Outline Dimensions

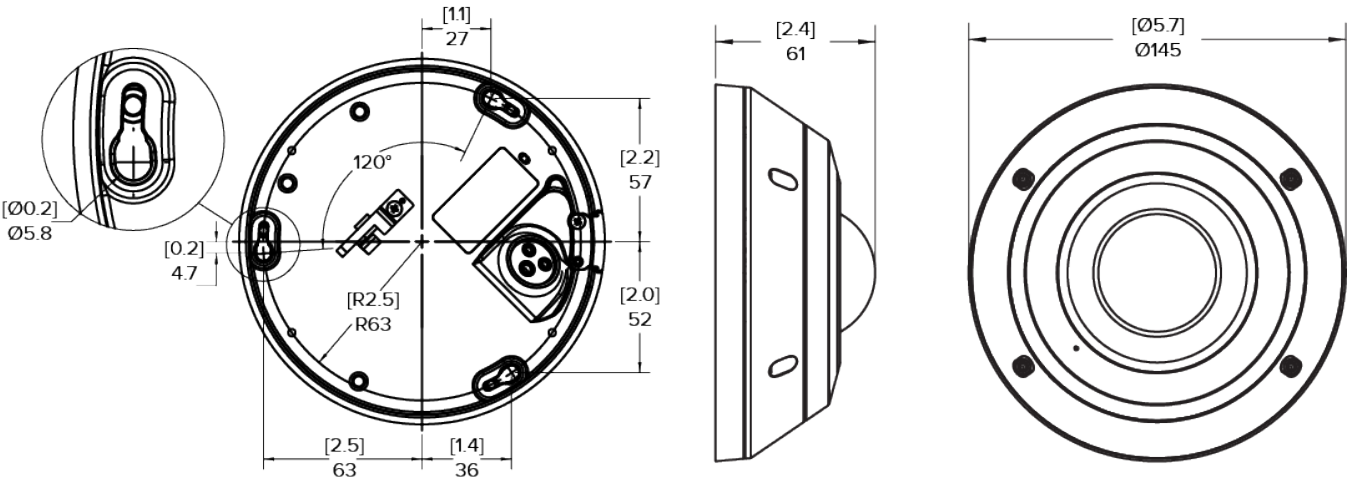
Surface Mount Camera
(H5A-FE-DO with mounting plate)

[X.X]	INCHES
X	MM



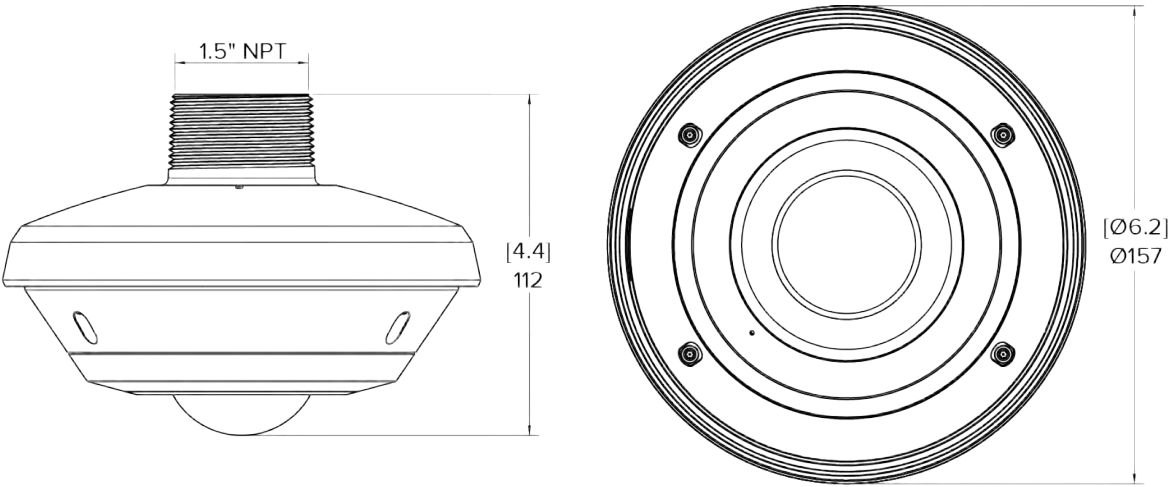
(H5A-FE-DO without mounting plate)

[X.X]	INCHES
X	MM



Pendant Mount Camera

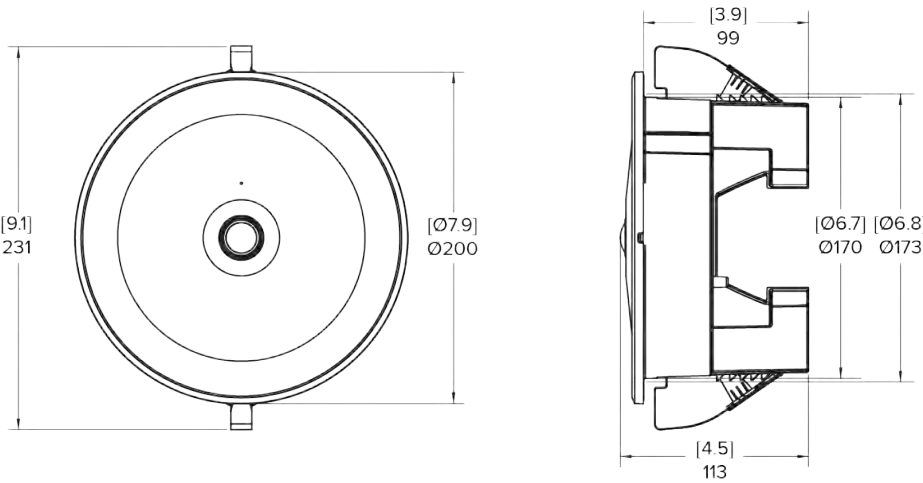
(H5A-FE-DO with H5A-FE-MT-NPTA1 Pendant Adapter)



[X.X]	INCHES
X	MM

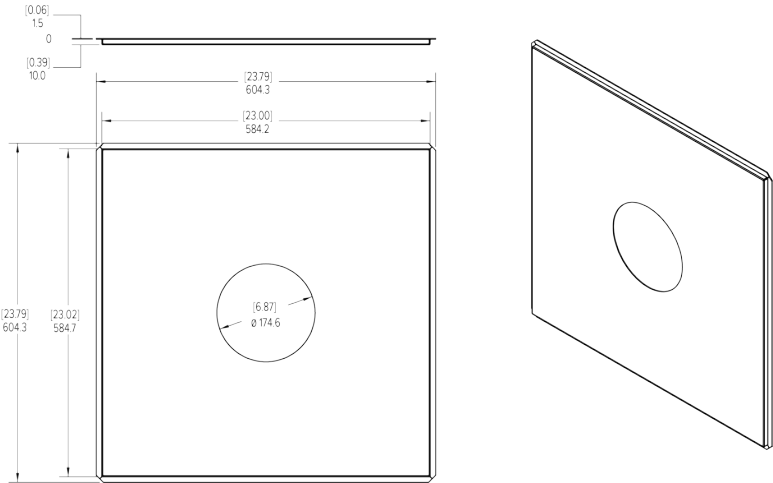
In-Ceiling Mount Camera

(H5A-FE-DC)



[X.X]	INCHES
X	MM

Metal Ceiling Panel (H5A-FE-DC-CPNL1)



Ordering Information

Surface Mount Camera

	MP	WDR	Analytics ¹	Lens	IR	IP66/IP67	HDSM SmartCodec	LIGHTCATCHER Technology
8.0C-H5A-FE-DO1	8.0	✓	✓	Fisheye 1.4 mm		✓	✓	✓
8.0C-H5A-FE-DO1-IR	8.0	✓	✓	Fisheye 1.4 mm	✓	✓	✓	✓
12.0W-H5A-FE-DO1	12.0	✓	✓	Fisheye 1.6 mm		✓	✓	
12.0W-H5A-FE-DO1-IR	12.0	✓	✓	Fisheye 1.6 mm	✓	✓	✓	

¹ Analytics are supported when the camera is installed in the ceiling-mounted orientation mode.

In-Ceiling Mount Camera

	MP	WDR	Analytics ²	Lens	IR	IP66/IP67	HDSM SmartCodec	LIGHTCATCHER Technology
8.0C-H5A-FE-DC1	8.0	✓	✓	Fisheye 1.4 mm			✓	✓
12.0W-H5A-FE-DC1	12.0	✓	✓	Fisheye 1.6 mm			✓	

² Analytics are supported when the camera is installed in the ceiling-mounted orientation mode.

Optional Camera Licenses and Accessories

H5A-FE-MT-NPTA1	NPT adapter for the H5A Fisheye surface mount camera
WLMT-1021	Pendant wall mount, compatible with H5A-FE-MT-NPTA1
PLMT-1001	Pole mount, compatible with WLMT-1021
CRNMT-1001	Aluminum corner mounting bracket, compatible with WLMT-1021
H5A-FE-DC-CPNL1	Metal ceiling panel to reinforce the existing ceiling tile in suspended ceiling installations
H5A-FE-DD-CLER1	Package of 3 dome replacement parts for H5A fisheye surface mount camera
CAM-FIPS	Camera license to enable FIPS Level 1 cryptographic mode on any H5A camera

¹ Excludes H5A Explosion-Protected camera line.

Support

Learn more and find additional documentation at [avigilon.com](https://www.avigilon.com) or email sales@avigilon.com for specific product support.



AVIGILON™

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H5A IR PTZ CAMERA

2 MP

4 MP

8 MP

The Avigilon H5A IR Pan, Tilt and Zoom (PTZ) camera empowers security teams to see more in the dark with an automated IR illumination range of up to 300 meters¹ and the ability to look-up 20 degrees above the horizon. Available in 2, 4 and 8 MP, the H5A IR PTZ delivers 360-degree views, up to 40x zoom² and high-resolution imaging for superior situational awareness of vast sites in the most challenging lighting conditions. Whether it's a completely dark airfield or a poorly lit parking lot, the H5A IR PTZ is ready to take on the outdoors with its ability to resist water, corrosion, dust and impact.



FEATURES



AUTOMATED IR ILLUMINATION

Sees up to 300 m¹ in complete darkness and ensures consistent scene illumination with the IR projection angle automatically adjusting to its zoom level and field of view.



NEXT-GENERATION VIDEO ANALYTICS WITH AUTO-TRACKING

Detects more objects with expanded object classifications and automatically tracks objects in zone for faster, decisive responses.



OPERATIONAL RELIABILITY FOR TRAFFIC MONITORING

Meets NEMA TS2 environmental requirements for deployment in traffic monitoring applications.



FIPS 140-2 COMPLIANT

Brings increased data security with FIPS-compliant encryption enabled on cameras³ and an onboard TPM⁴ to secure cryptographic keys.



ABOVE THE HORIZON LOOK-UP

Provides more coverage than a typical PTZ camera with 360-degree views and the ability to look-up 20 degrees above the horizon.



WATER, CORROSION, DUST & IMPACT PROTECTION

Protects against water, dust, corrosion and impact with Type 4X, IP66/67/68 and IK10 ratings.



H.264 & H.265 HDSM SMARTCODEC™ TECHNOLOGY

Optimizes compression levels for regions in a scene to help maximize bandwidth savings and keep internet connectivity costs down.



ONVIF® COMPLIANT

ONVIF Profile S and T compliance enables easy integration with existing ONVIF infrastructures. Profile G compliance supports search, playback and retrieval of recordings on the edge.

¹ 300 m IR illumination range on the 2 MP, 150 m on the 4 and 8 MP.

² 40x zoom on the 2 MP, 36x zoom on the 4 and 8 MP.

³ Optional purchase of FIPS Level 1 camera license (CAM-FIPS).

⁴ FIPS 140-2 Level 3-compliant trusted platform module (TPM).

ONVIF is a trademark of Onvif, Inc.

SPECIFICATIONS

Image Performance	2.0 MP	4.0 MP	8.0 MP
Image Sensor	1/2.8 " progressive scan CMOS	1/2.5 " Type "Exmor R" CMOS Sensor	
Active Pixels (H x V)	1937 (H) × 1097 (V)	2688 (H) x 1512 (V)	3840 (H) × 2160 (V)
Imaging Area (H x V)	4.8 mm (H) × 2.7 mm (V); 0.189 " (H) × 0.106 " (V)	6.25 mm (H) × 3.5 mm (V); 0.246 " (H) × 0.137 " (V)	
Minimum Illumination	0 lux in IR mode; 0.03 lux (F/1.6) in color mode; 0.02 lux (F/1.6) in monochrome	0 lux in IR mode; 0.3 lux (F/2.0) in color mode; 0.09 lux (F/2.0) in monochrome	
IR Range	300 m	150 m	
Dynamic Range	120 dB	100 dB	
Image Rate	Up to 60 fps	Up to 30 fps	
Aspect Ratio (Resolution Scaling)	Down to (16:9) 384 × 216 or (5:4) 320 × 256		
3D Noise Reduction Filter	Yes		

LENS	2.0 MP	4.0 MP	8.0 MP
Lens	4.25 to 170 mm, F/1.6 – F/4.95, autofocus	4.4 mm to 88 mm, F/2.0 – F/3.8, autofocus	
Angle of View Horizontal	66.35 ° – 1.9 °	69.7 ° – 2.2 °	
Zoom	40x	36x (with image stabilization off), 30x (with image stabilization on)	

Image Control	2.0 MP	4.0 MP	8.0 MP
Video Compression	H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG		
Streaming	Multi-stream H.264, Multi-stream H.265, Motion JPEG		
Motion Detection	Pixel motion: Selectable sensitivity and threshold. Classified object detection		
Electronic Shutter Control	Automatic, Manual (1/30 to 1/30,000 sec)		
Iris Control	Automatic, Open, Closed		
Day/Night Control	Automatic, Manual		
Flicker Control	60 Hz, 50 Hz		
White Balance	Automatic, Manual		
Backlight Compensation	On/Off		
Privacy Zones	3D, up to 64 zones		
Presets	500 named presets		
Tours	10 named tours		
Audio Compression Method	G.711 PCM 8 kHz, Opus 48 kHz		
Digital Zoom	Up to 100x when used with ACC™ Client for Windows		
Electronic Image Stabilization	No	Yes	
Digital Defog	Adjustable/Off		

NETWORK	
Network	100BASE-TX
Cabling Type	CAT5e
Connector	RJ-45
ONVIF	ONVIF compliance version 1.02, 2.00, Profile S, Profile T, Profile G (www.onvif.org)
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, FIPS 140-2 L1 (with optional camera license), onboard FIPS 140-2 L3 certified TPM

NETWORK	
Protocol	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv2, ICMP, DHCP, Zeroconf, ARP, HSTS
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP
Device Management Protocol	SNMP v2c, SNMP v3

PERIPHERALS	
Audio Input/Output	Line level input and output
External I/O Terminals	2 Alarm In, 2 Relay Out
Onboard Storage	MicroSD/microSDHC/microSDXC slot – video speed class card required. Class V10 or better recommended.

MECHANICAL	
Dimensions (Ø × H)	(Ø) 250 mm × (H) 364 mm (Ø) 9.84 " × (H) 14.33 "
Weight	6.76 kg (14.9 lbs)
Front Window	Optical Glass Window -Ø 78 mm (3.07 ")
Wiper	Integrated with all options
Body	Aluminum ADC1 + Polycarbonate
Housing	Pendant Mount
Finish	Epoxy-polyester powder painted, standard colors grey-white (RAL9002)
Tilt	-20 ° to 90 °, 300 °/second
Pan	Horizontal rotation: 360 °, continuous rotation, 300 °/second

ELECTRICAL		
Power Consumption		75 W max with 24 VDC aux power supply or 90 W PoE, 110 VA with 24 VAC aux power.
Power Source	External Power	24 VDC ±10%; 24 VAC rms ±10%, 50 or 60 Hz
	PoE*	IEEE 802.3bt compliant Class 8 (90W) PoE: Pihong POE90U-1BT6-A-RC (Avigilon part number POE-INJ-BT-90W-NA)
Power Connector		Red and Black input wires
RTC Backup Battery		3V manganese lithium

* High power PoE is only guaranteed with the IEEE 802.3bt compliant Pihong POE90U-1BT (Avigilon part number POE-INJ-BT-90W-NA) .
Contact Avigilon sales or Avigilon technical support for more information

ENVIRONMENTAL	
Operating Temperature	Continuous operation from -40 °C to +60 °C (-40 °F to 140 °F) Pan and tilt speeds reduced by 50% at temperatures -40 °C (-40 °F) or below Wiper is functional at -10 °C to +60 °C (14 °F to 140 °F)
Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)
Humidity	5% to 95%, non-condensing
Wind Speed	Sustained 241 kph (150 mph)

CERTIFICATIONS	
Certifications/Directives	UL, cUL, CE, UKCA, ROHS, RCM, NOM
Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC/EN 62471
Environmental and Performance	UL/CSA/IEC 60950-22, IEC 62262 IK10 Impact Rating (enclosure only), IEC 60529 IP66, IP67, IP68 Weather Rating, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-30, NEMA TS 2, NEMA Type 4X
Electromagnetic Emissions	FCC Part 15 Subpart B Class B, IC ICES-003 Class B, EN 55032 Class B, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3
Electromagnetic Immunity	EN 55035, EN 50130-4, EN 50121-4

ANALYTICS SPECIFICATIONS

SUPPORTED ANALYTICS EVENTS AT HOME POSITION

Objects in Area	The event is triggered when the selected object type moves into the region of interest.
Object Loitering	The event is triggered when the selected object type moves into the region of interest and then stays for an extended amount of time.
Objects Crossing Beam	The event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view. The beam can be unidirectional or bidirectional.
Object Appears or Enters Area	The event is triggered by each object that enters the region of interest. This event can be used to count objects.
Object Not Present in Area	The event is triggered when no objects are present in the region of interest.
Objects Enter Area	The event is triggered when the specified number of objects have entered the region of interest.
Objects Leave Area	The event is triggered when the specified number of objects have left the region of interest.
Object Stops in Area	The event is triggered when an object moves into a region of interest and then stops moving for the specified threshold time.
Direction Violated	The event is triggered when an object moves in the prohibited direction of travel.
Tamper Detection	The event is triggered when the scene unexpectedly changes.

AUTO-TRACK OBJECTS IN AREA

Auto-track Objects in Area	The event is triggered when the selected object type moves into the region of interest defined at the home position. The camera will automatically reposition to track the object, returning to the preset home position once object is lost.
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SUPPORTED CLASSIFIED OBJECT TYPES

Object Types in Outdoor Mode	Vehicle, sub-types: Car, Truck, Bicycle, Motorcycle, Bus Person
Object Types in Indoor Mode	Person

TEACH BY EXAMPLE

Teach By Example	Yes, when used with Avigilon Control Center™
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AVIGILON CONTROL CENTER (ACC) VERSIONS SUPPORTED FEATURES

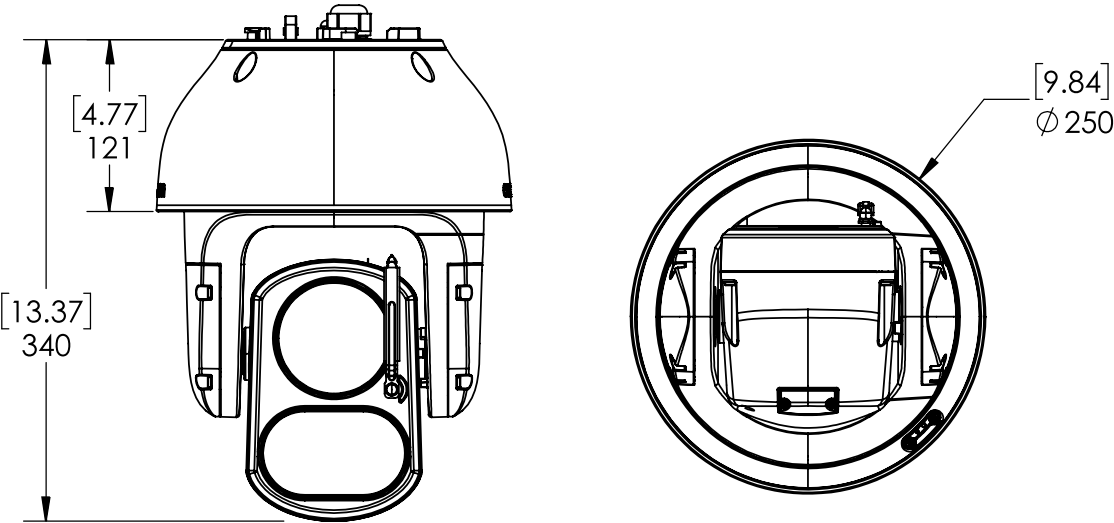
ACC Version 6.14.12 or higher	All supported analytic events with two types of classified objects: person or vehicle. Appearance search when paired with appropriate server hardware. Auto-tracking is not supported. H.265 supported.
ACC Version 7.2 or higher*	All supported analytic events with people and vehicles and all vehicle sub-types as classified objects. Appearance search when paired with appropriate server hardware. H.265 supported.

* Auto-tracking requires ACC 7.14.14 or higher to configure.

OUTLINE DIMENSIONS

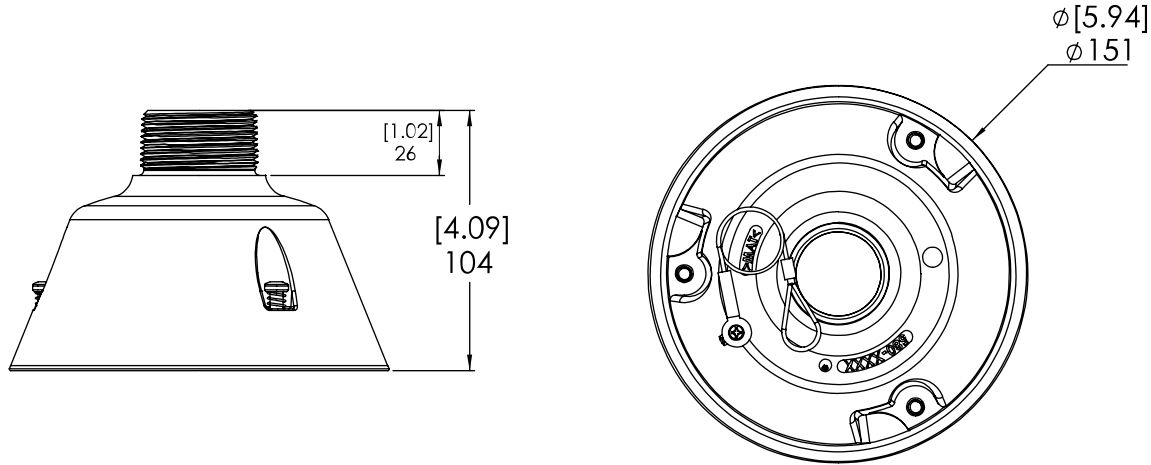
H5A IR PTZ CAMERA (H5A-IR-PTZ)

[X.X]	INCHES
X	MM

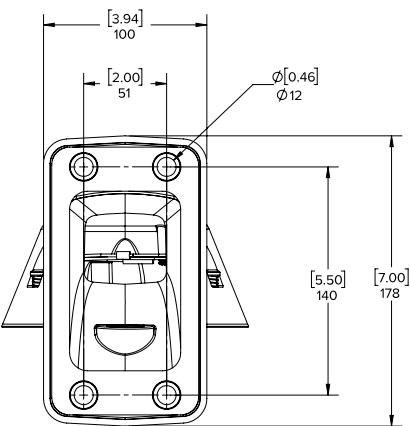
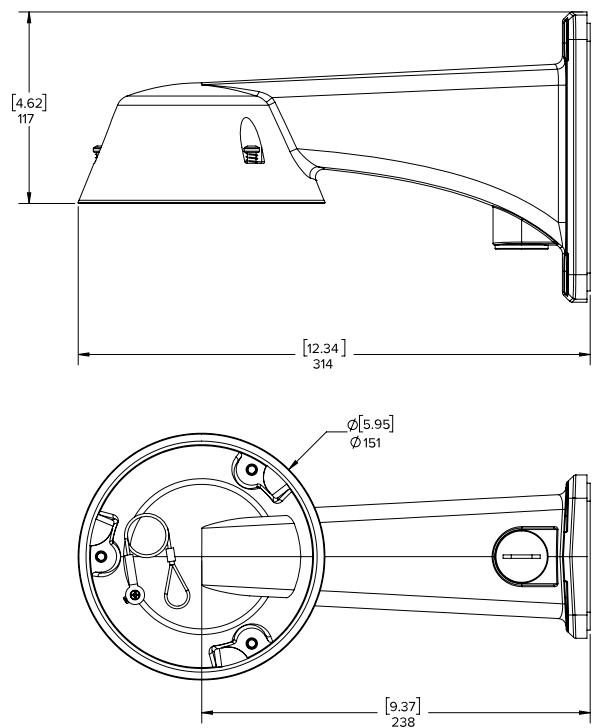


NPT MOUNT (IRPTZ-MNT-NPTA1)

[X.X]	INCHES
X	MM



WALL MOUNT
(IRPTZ-MNT-WALL1)



ORDERING INFORMATION

H5A IR PTZ CAMERAS

	MP	WDR	DIGITAL WDR	LIGHTCATCHER TECHNOLOGY	ANALYTICS AT HOME POSITION	ZOOM	HDSM SMARTCODEC
2.0C-H5A-IRPTZ-DP40-WP	2.0	✓		✓	✓	40x*	✓
4.0C-H5A-IRPTZ-DP36-WP	4.0		✓	✓	✓	36x*	✓
8.0C-H5A-IRPTZ-DP36-WP	8.0		✓	✓	✓	36x*	✓

* For all models, if image stabilization is turned on, max zoom will be 30x

CAMERA ACCESSORIES

	DESCRIPTION
IRPTZ-MNT-NPTA1	NPT Pendant Adapter
IRPTZ-MNT-WALL1	Wall Arm Mount
PLMT-1001	Pole Mounting Bracket
CRNMT-1001	Corner Mounting Bracket
POE-INJ-BT-60W-NA	Gigabit 802.3bt 60 W PoE Injector, single port
POE-INJ-BT-90W-NA	Gigabit 802.3bt 90 W PoE Injector, single port
H5PTZ-ACC-CABL1	Cable gland nut kit, pack of 10

SUPPORT

Learn more and find additional documentation at [avigilon.com](https://www.avigilon.com) or email sales@avigilon.com for specific product support.



AVIGILON™

Aug 2023 | Rev 9

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H5A MULTISENSOR CAMERA

9 MP

12 MP

15 MP

20 MP

24 MP

32 MP

The Avigilon H5A Multisensor camera helps ensure your site is covered from all angles by combining Next-Generation Video Analytics and three or four adjustable sensors into one powerful solution. Monitor virtually any area in all lighting conditions with up to 360-degree views from a single camera. This makes the H5A Multisensor perfect for securing wide areas, including outdoor building corners, parking lots, crossroads, as well as indoor areas with high ceilings, long corridors and hallway intersections.



FEATURES



NEXT-GENERATION VIDEO ANALYTICS

Detects more objects with expanded object classifications and greater accuracy for faster responses, even in crowded scenes.



IMPACT, WATER, DUST & CORROSION PROTECTION

Protects against impact, water, windblown dust and a degree of corrosion with IK10, IP66/67, NEMA Type 4X and TS2 ratings.



ONVIF® COMPLIANT

ONVIF Profile S and T compliance enables easy integration with existing ONVIF infrastructures. Profile G compliance supports search, playback and retrieval of recordings on the edge, while Profile M allows for cross-functionality with third-party analytic solutions.



VARIFOCAL LENSES

Enables you to customize the field of view to optimally protect your site, while lens distortion correction provides a seamless viewing experience.



FIPS 140-2 COMPLIANT WITH INTEGRATED TPM

Meets the high data security standards required by federal government agencies and heavily regulated enterprises with FIPS-compliant cryptography support, integrated TPM and Secure Boot.



HIGH-QUALITY IMAGES IN ALL LIGHTING

Sees clearly in the most challenging lighting conditions with faster frame rates, improved Wide Dynamic Range and optional IR illumination.

ONVIF is a trademark of Onvif, Inc.



MOTOROLA SOLUTIONS

AVIGILON™

SPECIFICATIONS

IMAGE PERFORMANCE		3.0 MP	5.0 MP	4K (8.0 MP)
Image Sensor		1/2.8" CMOS		1/2.8" CMOS
Active Pixels		1920 (H) x 1080 (V) (16:9) 2048 (H) x 1536 (V) (4:3)	2560 x 1440 (16:9) 2592 x 1944 (4:3)	3840 x 2160 (16:9) 2880 x 2160 (4:3)
3 x Image Sensor, Max Resolution (per image sensor)		5760 (H) x 1080 (V) (16:9) 6144 (H) x 1536 (V) (4:3)	7680 x 1440 (16:9) 7776 x 1944 (4:3)	11520 x 2160 (16:9) 8640 x 2160 (4:3)
4 x Image Sensor, Max Resolution (per image sensor)		7680 (H) x 1080 (V) (16:9) 8192 (H) x 1536 (V) (4:3)	10240 x 1440 (16:9) 10368 x 1944 (4:3)	15360 x 2160 (16:9) 11520 x 2160 (4:3)
Sensor Aspect Ratio		4:3	4:3	16:9
IR Illumination - Optional (high power 850 nm LEDs) ¹		30 m (98 ft) maximum distance at 0 lux when camera is mounted at 4 m (13 ft) off the ground		
Minimum Illumination		0.020 lux (F1.5) in color mode 0.018 lux (F1.5) in mono mode 0 lux with optional IR illuminator		0.020 lux (F1.5) in color mode 0.016 lux (F1.5) in mono mode 0 lux with optional IR illuminator
Dynamic Range	WDR On	120 dB, true WDR, dual exposure		
	WDR Off	80 dB		
3D Noise Reduction Filter		Yes		
Image Rate-Analytics Enabled on All Sensors²:				
3 x Image Sensor (60 Hz, 50 Hz)		30 / 25 fps	30 / 25 fps	24 / 20 fps
4 x Image Sensor (60 Hz, 50 Hz)		30 / 25 fps	24 / 25 fps	17 / 16 fps
Image Rate-High Framerate Mode³:				
3 x Image Sensor (60 Hz, 50 Hz)		60 / 50 fps	40 / 33 fps	24 / 25 fps
4 x Image Sensor (60 Hz, 50 Hz)		40 / 33 fps	30 / 25 fps	20 / 20 fps

¹ The IR intensity is based on supplied PoE power.

² Full Feature Mode: Analytics and WDR enabled with H.265.

³ High Frame Rate Mode: Analytics disabled with H.265. Max frame rate with WDR enabled is 30 fps.

IMAGE CONTROL	
Image Compression Method	H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG
Streaming	Multi-stream H.264, Multi-stream H.265, Motion JPEG
Motion Detection	Selectable sensitivity and threshold
Electronic Shutter Control	Automatic, Manual (1/7.5 to 1/8000 sec)
Iris Control	Fixed
Day/Night Control	Automatic, Manual
Flicker Control	60 Hz, 50 Hz
White Balance	Automatic, Manual
Backlight Compensation	Adjustable
Privacy Zones	Up to 64 zones
Removable Privacy Zones	Up to 8 zones per image sensor
Lens Distortion Correction	Fixed

LENS (PER IMAGE SENSOR)	3.0 MP	5.0 MP	4K (8.0 MP)
Focal Length	3.3-5.7 mm		
Lens and Horizontal Field of View Based on Aspect Ratio	53° - 97° (16:9) 53° - 99° (4:3)		58° - 108° (16:9) 43° - 76° (4:3)

LENS (PER IMAGE SENSOR)	3.0 MP	5.0 MP	4K (8.0 MP)
Lens and Vertical Field of View Based on Aspect Ratio	29° - 50° (16:9) 39° - 69° (4:3)		32° - 55° (16:9) 32° - 55° (4:3)
Aperture Range	F1.5 - F1.9		
Control	Fixed Iris, Remote Focus and Zoom		

NETWORK	
Network	Gigabit Ethernet, 100BASE-TX, 1000BASE-TX
Cabling Type	CAT5E
Connector	RJ-45
API	ONVIF® compliance Profile S, T, M, and G (www.onvif.org)
Security	Signed and encrypted firmware, password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, TLS1.3, FIPS140-2 Level 3 via onboard TPM
Secure Boot	Yes
Protocol	IPv4, IPv6, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv2, ICMP, DHCP, Zeroconf, ARP, HSTS
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP
Device Management Protocols	SNMP v2c, SNMP v3

PERIPHERALS	
USB Port	USB 2.0
Onboard Storage	Dual MicroSD/microSDHC/microSDXC slot - video speed class card required. Class V10 or better recommended. The dual SD cards will work as one contiguous region of storage.

AUXILIARY I/O	
Audio Compression Method	G.711 PCM 8 kHz, Opus
Audio Input/Output	Line level input and output
External I/O Terminal	Alarm In, Alarm Out

ELECTRICAL	IN-CEILING	SURFACE MOUNT	PENDANT MOUNT
Power Consumption	26 W with 24 VDC 37 VA with 24 VAC 25.5 W with IEE 802.3at Type 2 (PoE+)	With IR: 52 W with 24 VDC 74 VA with 24 VAC 51 W with high power PoE (PoE++) Without IR: 26 W with 24 VDC 37 VA with 24 VAC 25.5 W with IEEE 802.3at Type 2 (PoE+)	With IR: 52 W with 24 VDC 74 VA with 24 VAC 51 W with high power PoE (PoE++) Without IR: 26 W with 24 VDC 37 VA with 24 VAC 25.5 W with IEEE 802.3at Type 2 (PoE+)
External Power	24 VDC ± 10 %; 24 VAC rms ± 10 %, 50 or 60 Hz		
PoE*	30 W IEEE 802.3at Type 2 (PoE+)	With IR: 60 W (PoE++): IEEE 802.3bt Type 3, Cisco® UPoE or legacy high-power PoE* Up to 35% IR Power or without IR: 30 W IEEE 802.3at Type 2 (PoE+)	
Redundant Power	Seamless failover between PoE and Aux and back without interruption in camera operation		

* Supported high power PoE products are listed in the **Optional Injectors and Switches** Section and may require adjusting the PoE mode switch. Contact sales or technical support for more information.

MECHANICAL	IN-CEILING	SURFACE MOUNT	PENDANT MOUNT
Dimension	Overall: 298 mm x 161 mm (11.75" x 6.33") Below mounting surface: 298 mm x 64 mm (11.75" x 2.52")	304 mm x 114 mm (11.95" x 4.48")	With wall arm: 385 mm x 262 mm x 299 mm (15.15" x 10.30" x 11.77") With NPT adapter: 299 mm x 248 mm (11.77" x 9.76")
Weight	Mount: 1100 g (2.4 lbs)	Mount: 950 g (2.1 lbs)	Wall Mount: 1190 g (2.6 lbs)

MECHANICAL	IN-CEILING	SURFACE MOUNT	PENDANT MOUNT
	Bezel: 490 g (1.1 lbs) Camera Module (4 lenses): 1590 g (3.5 lbs)	Bezel: 1250 g (2.8 lbs) Camera Module (4 lenses): 1590 g (3.5 lbs) Optional IR Illuminator Ring: 670 g (1.5 lbs)	NPT Adapter Mount: 470 g (1.04 lbs) Pendant: 1680 g (3.7 lbs) Bezel: 1250 g (2.8 lbs) Camera Module (4 lenses): 1590 g (3.5 lbs) Optional IR Illuminator Ring: 670 g (1.5 lbs)
Body	Aluminum, Plastic dome trim	Aluminum	Aluminum
Finish	Plastic, Injection Molded, Pantone 427C	Cast, Anodized and Powder Coated, Pantone 427C	Cast, Anodized and Powder Coated, Pantone 427C
Optional IR Illuminator Ring	Not available	Optional accessory, 30 m (98 ft) IR range	

ENVIRONMENTAL	IN-CEILING	SURFACE MOUNT	PENDANT MOUNT
Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)		-40 °C to +60 °C (-40 °F to 140 °F)
Storage Temperature	-30 °C to +70 °C (-22 °F to 158 °F)		
Humidity	0 - 95% non-condensing		
IR Illumination Behavior	Not available	<p>The IR illuminator will operate at 100% power from -40 °C to 44 °C (-40 °F to 111 °F). The IR power will reduce to 60% from 44 °C to 53 °C (111 °F to 127 °F). The IR illuminator will turn off when the temperature is greater than 53 °C (127 °F). Hysteresis: 6 °C (10.8 °F).</p> <p>For 25.5 W PoE+, the IR illuminator will operate at only 35% power and will turn off if the temperature is below -26 °C (-15 °F).</p>	

PER SENSOR	
Tilt	+7° to 96° from horizon
Pan	+/-120° (depending on position of image sensors)
Azimuth	+/-180°

CERTIFICATIONS	IN-CEILING	SURFACE MOUNT	PENDANT MOUNT
Certifications/Approvals	UL, cUL, CE, ROHS, RCM, BIS, UKCA, NOM, KC		
Safety Standards	UL 62368-1, CSA 62368-1, IEC/EN 62368-1		
	UL 2043 (Plenum)	IEC/EN 62471	
Environmental Standards/Ratings	IEC 60529 IP5X rating (dust only)	IEC 60529 IP66, IP67 rating IEC/EN 62262 Impact (IK 10) IEC/EN 60068-2-6 Product Vibration IEC/EN 60068-2-27 Product Shock Type 4X	
Electromagnetic Emissions Standards	FCC Part 15 Subpart B (Class A) ICES-003 (Class A) EN 55032 (Class A) EN 61000-3-2 EN 61000-3-3		
Electromagnetic Immunity Standards	EN 55035 EN 61000-6-1 EN 50121-4 EN 50130-4		
NEMA TS2	Not applicable	NEMA TS2 paragraph 2.2.7 - 2.2.9	

SUPPORTED ANALYTICS EVENTS	
Objects in Area	The event is triggered when the selected object type moves into the region of interest.
Object Loitering	The event is triggered when the selected object type stays within the region of interest for an extended amount of time.
Objects Crossing Beam	The event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view. The beam can be unidirectional or bidirectional.
Object Appears or Enters Area	The event is triggered by each object that enters the region of interest. This event can be used to count objects.

SUPPORTED ANALYTICS EVENTS

Object Not Present in Area	The event is triggered when no objects are present in the region of interest.
Objects Enter Area	The event is triggered when the specified number of objects have entered the region of interest.
Objects Leave Area	The event is triggered when the specified number of objects have left the region of interest.
Object Stops in Area	The event is triggered when an object in a region of interest stops moving for the specified threshold time.
Object Too Close	The event is triggered when an object moves to within a certain threshold distance of another object.
Direction Violated	The event is triggered when an object moves in the prohibited direction of travel.
Tamper Detection	The event is triggered when the scene unexpectedly changes.

SUPPORTED CLASSIFIED OBJECT TYPES

Object Types in Outdoor Mode	Person and Vehicle sub-types: Car, Truck, Bicycle, Motorcycle, Bus
Object Types in Indoor Mode	Person

TEACH BY EXAMPLE

Object Types Teach By Example in Outdoor Mode	Yes, when used with Avigilon Control Center™.
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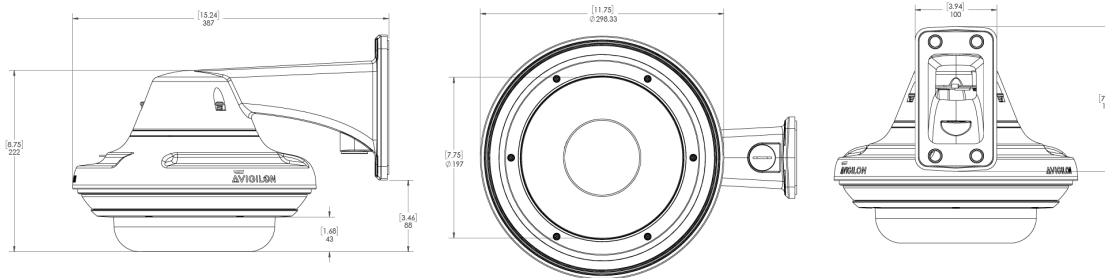
AVIGILON CONTROL CENTER (ACC) VERSIONS SUPPORTED FEATURES

ACC Enterprise Edition Version 7.2 or higher	All supported analytic events with people and vehicles and all vehicle sub-types as classified objects.
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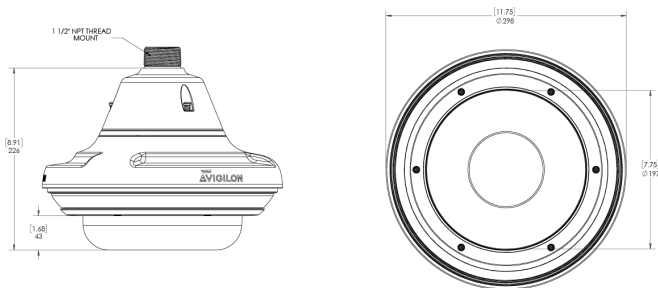
OUTLINE DIMENSIONS

PENDANT WALL MOUNT

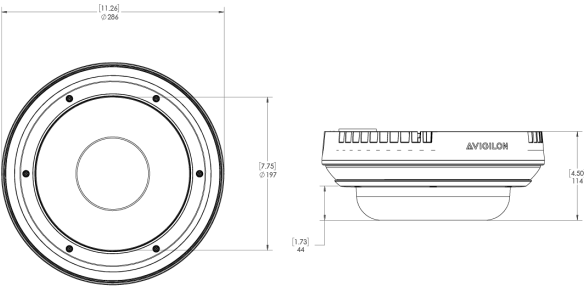
[X.X]	INCHES
X	MM



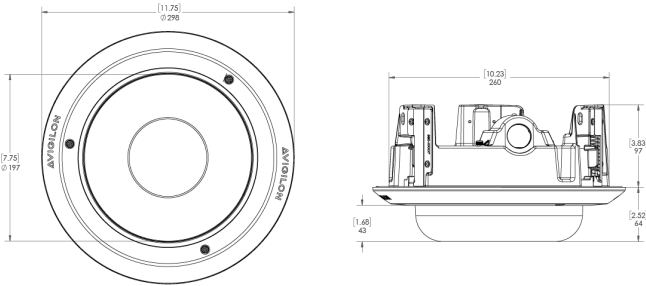
PENDANT NPT MOUNT



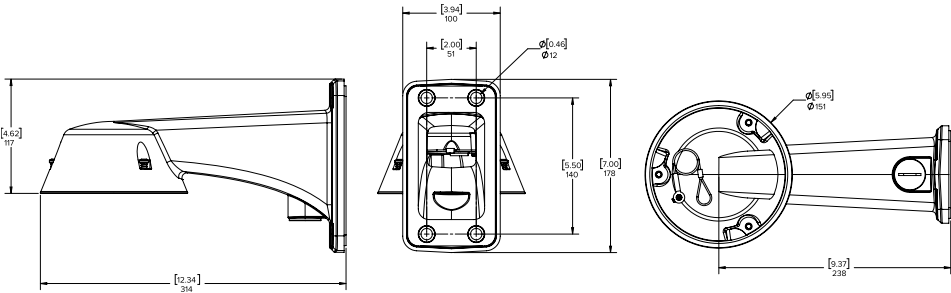
SURFACE MOUNT



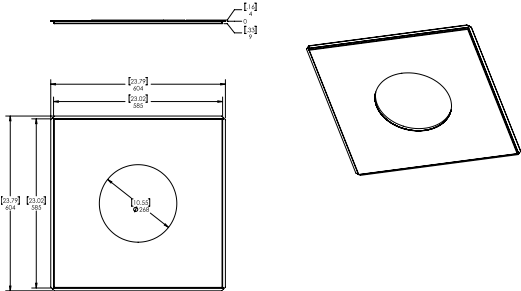
IN-CEILING MOUNT



WALL MOUNT



METAL CEILING PANEL



ORDERING INFORMATION

The variety of mounting options for the H5A Multisensor provides maximum flexibility. All the available camera modules can be used in any of the mounting options.

MOUNTING SCENARIO		ORDERING INFORMATION
PENDANT WALL MOUNT		Order one of: <ul style="list-style-type: none"> • Camera module • H5AMH-AD-PEND1 • H5AMH-DO-COVR1 or H5AMH-DO-COVR1-SMOKE • WLMT-1001 • Optional, H4AMH-AD-IRIL1
PENDANT NPT MOUNT		Order one of: <ul style="list-style-type: none"> • Camera module • H5AMH-AD-PEND1 • H5AMH-DO-COVR1 or H5AMH-DO-COVR1-SMOKE • NPTA-1001 • Optional, H4AMH-AD-IRIL1
SURFACE MOUNT		Order one of: <ul style="list-style-type: none"> • Camera module • H5AMH-AD-DOME1 • H5AMH-DO-COVR1 or H5AMH-DO-COVR1-SMOKE • Optional, H4AMH-AD-IRIL1
IN-CEILING MOUNT		Order one of: <ul style="list-style-type: none"> • Camera module • H5AMH-AD-CEIL1 • H5AMH-DC-COVR1 or H5AMH-DC-COVR1-SMOKE • Optional, CLPNL-1001 if ceiling panel is needed

CAMERA MODULES

With the modular design of the H5A Multisensor, any camera module can be paired with any mounting adapter for maximum versatility and optimal installation. Each camera module must be ordered with a matching mounting adapter and dome cover.

DISPLAY PART NUMBER	DESCRIPTION
9C-H5A-3MH	3X3MP, WDR, 270 degree max field of view, Lightcatcher, 3.3-5.7MM, Camera Only
12C-H5A-4MH	4X3MP, WDR, 360 degree max field of view, Lightcatcher, 3.3-5.7MM, Camera Only
15C-H5A-3MH	3X5MP, WDR, 270 degree max field of view, Lightcatcher, 3.3-5.7MM, Camera Only
20C-H5A-4MH	4X5MP, WDR, 360 degree max field of view, Lightcatcher, 3.3-5.7MM, Camera Only
24C-H5A-3MH	3X8MP, WDR, 270 degree max field of view, Lightcatcher, 3.3-5.7MM, Camera Only
32C-H5A-4MH	4X8MP, WDR, 360 degree max field of view, Lightcatcher, 3.3-5.7MM, Camera Only

MOUNTING ADAPTERS AND DOME COVERS

The H5A Multisensor modular design provides pendant, surface, or in-ceiling mounting adapters and a choice of two dome covers compatible with all the H5A Multisensor camera modules.

DISPLAY PART NUMBER	DESCRIPTION
H5AMH-AD-DOME1	Outdoor surface mount adapter, must order either a H5AMH-DO-COVR1 or H5AMH-DO-COVR1-SMOKE.
H5AMH-AD-PEND1	Outdoor pendant mount adapter, must order one of WLMT-1001 or NPTA-1001 and one of H5AMH-DO-COVR1 or H5AMH-DO-COVR1-SMOKE.
H5AMH-AD-CEIL1	In-ceiling adapter, must order either a H5AMH-DC-COVR1 or H5AMH-DC-COVR1-SMOKE.
H5AMH-DO-COVR1	Dome bubble and cover, for outdoor surface mount or pendant mount, clear.
H5AMH-DO-COVR1-SMOKE	Dome bubble and cover, for outdoor surface mount or pendant mount, smoked. Not recommended for low light applications.
H5AMH-DC-COVR1	Dome bubble and cover, for in-ceiling mount, clear.
H5AMH-DC-COVR1-SMOKE	Dome bubble and cover, for in-ceiling mount, smoked. Not recommended for low light applications.
WLMT-1001	Pendant wall arm adapter, for use with H5AMH-AD-PEND1.
NPTA-1001	Pendant NPT adapter for use with H5AMH-AD-PEND1.
PLMT-1001	Aluminum pole mounting bracket, compatible with WLMT-1001.
CRNMT-1001	Aluminum corner mounting bracket, compatible with WLMT-1001.
CLPNL-1001	Metal ceiling panel.

OPTIONAL IR ILLUMINATOR

The optional IR Illuminator is available for the H5A Multisensor when mounted in a pendant or surface mount adapter.

DISPLAY PART NUMBER	DESCRIPTION
H4AMH-AD-IRIL1	Optional IR illuminator ring, for use with H5AMH-DO-COVR1.

OPTIONAL INJECTORS

DISPLAY PART NUMBER	DESCRIPTION
PD-9001 GR/AT/AC-*-MSI	Indoor single port PoE+ 30W injector. Injector operational temperature range -20 °C to +40 °C (-4 °F to 104 °F).
POE60U-1BTE	Gigabit 802.3bt 60 W PoE Injector, single port.

OPTIONAL ACCESSORIES

DISPLAY PART NUMBER	DESCRIPTION
USB-AC56-NA-MSI / USB-AC56-EU-MSI	USB Wi-Fi adapter.
CBLKT-1001	Cable kit replacement for Multi Head cameras.
CAM-FIPS	Camera license to enable FIPS cryptographic mode on the H5A Multisensor or any H5A camera.

SUPPORT

Learn more and find additional documentation at avigilon.com or email sales@avigilon.com for specific product support.



AVIGILON™

Aug 2023 | Rev 1

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sales@avigilon.com | avigilon.com

H5A MODULAR CAMERA

3 MP

5 MP

The Avigilon H5A Modular Camera is designed for areas with limited space or that require a discreet and unobtrusive monitoring solution, such as ATMs, police interview rooms, retail checkout counters, building entrances and more. The camera's flexible imager modules can easily be positioned in different orientations to help capture the most optimal view of people or scenes of interest for investigations. It comes equipped with Next-Generation Video Analytics for enhanced object detection and classification, Unusual Activity Detection, and supports Facial Recognition and Avigilon Appearance Search technologies to expedite response times for critical events.



FEATURES



NEXT-GENERATION VIDEO ANALYTICS

Detects more objects with expanded object classifications and greater accuracy for faster responses, even in crowded scenes.



H.264 AND H.265 WITH HDSM SMARTCODEC™ TECHNOLOGY

Optimizes compression levels for regions in a scene to help maximize bandwidth savings and keep internet connectivity costs down.



FIPS 140-2 COMPLIANT²

Brings increased data security with FIPS-compliant cryptography enabled on cameras.



ONVIF® COMPLIANT

ONVIF Profile S, T and G compliance allows easy integration with existing ONVIF infrastructures.



WIDE DYNAMIC RANGE

Captures high-quality image details in scenes with strong backlight.



FLEXIBLE INSTALLATION

Detachable cables with multiple length options are available to help reduce installation times and enable flexible positioning of the imager modules for ideal scene coverage.



DUST & WATER RESISTANCE¹

IP66 rating for resistance from dust and water.



SMALL & DISCREET FORM FACTORS

Lightweight form factors allow for easy installation in practically any environment, including tight spaces and discreet applications, such as behind false walls or ceilings.



CUSTOMIZABLE DESIGN

A modular design offers you the ability to mix and match different resolutions and/or form factors to suit your site's coverage needs.



SEAMLESS CONNECTIVITY WITH AVIGILON CONTROL CENTER (ACC)

Connects with ACC™ software to bring you the right information to take action with a full suite of AI-powered capabilities at your fingertips.

ONVIF is a trademark of Onvif, Inc.

¹Available on Micro Bullet Imager Module only.

² Optional purchase of FIPS Level 1 camera license or CRYPTR microSD hardware-based encryption and key management for FIPS Level 3 support and certification.

SPECIFICATIONS - MAIN UNIT

IMAGE CONTROL AND PERFORMANCE		
Image Compression Method		H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG
Bandwidth Management		HDSM SmartCodec technology; Idle scene mode
Streaming		Multi-stream H.264, Multi-stream H.265, Motion JPEG
Max Image Rate (Based on combined resolution of one or two imagers)	High Frame Rate: (50 Hz/60 Hz)	(≤ 6 MP) 25 fps/30 fps (8 MP) 25 fps/24 fps (10 MP) 20 fps/24 fps
	Full Feature Mode: (50 Hz/60 Hz)	(≤ 5 MP) 25 fps/30 fps (6 MP) 25 fps/24 fps (8 MP) 20 fps/20 fps (10 MP) 12.5 fps/15 fps
Dynamic Range		Up to 120 dB
Motion Detection		Pixel motion; Selectable sensitivity and threshold. Classified object detection
Tamper Detection		Yes
Electronic Shutter Control		Automatic, Manual (1/7.5 to 1/8000 sec)
Flicker Control		60 Hz, 50 Hz
White Balance		Automatic, Manual
Backlight Compensation		Adjustable
Privacy Zones		Up to 64 zones

AUXILIARY	
Audio Compression Method	G.711 PCM 8 kHz, Opus
Audio Input/Output	Line level input and output
External I/O Terminals	Alarm In, Alarm Out

NETWORK	
Network	100BASE-TX
Cabling Type	CAT5E cabling for PoE Coaxial cabling for imager modules
Connector	RJ-45 for PoE HD BNC for imager modules
ONVIF	ONVIF compliance Profile S, Profile T, and Profile G (www.onvif.org)
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, FIPS 140-2 L1 (with optional camera license), FIPS 140-2 L3 (with optional accessory)
Protocols	IPv4, IPv6, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv2, ICMP, DHCP, Zeroconf, ARP
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP
Device Management Protocols	SNMP v2c, SNMP v3

PERIPHERALS	
Onboard Storage	2 x microSD/microSDHC/microSDXC slots - video speed class card required. Class V10 or better recommended. One of the two SD card slots is available for onboard storage.

MECHANICAL		
Dimensions (LxWxH)	Body Only	105 mm x 123 mm x 34 mm; 4.13 " x 4.84 " x 1.34 "
	Including HD BNC Connector	114 mm x 123 mm x 34 mm; 4.50 " x 4.84 " x 1.34 "
Weight		0.517 kg (1.14 lbs)

MECHANICAL	
Body	Aluminum
Housing	Stainless steel (bracket)
Finish	Black
ELECTRICAL	
Power Consumption	13 W Max
Power Source	VDC: 12 V +/-10%, 11.5 W min PoE: IEEE 802.3af Class 3 compliant
Power Connector	2-pin terminal block
RTC Battery Backup	3V manganese lithium
ENVIRONMENTAL	
Operating Temperature	-10 °C to +60 °C (14 °F to 140 °F)
Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)
Humidity	0 - 100% RH
CERTIFICATIONS	
Certifications/Directives	UL, cUL, CE, UKCA, ROHS, RCM
Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1
Electromagnetic Emissions	FCC Part 15 Subpart B Class A, ICES-003 Class A, EN 55032 Class A, EN 61000-3-2, EN 61000-3-3
Electromagnetic Immunity	EN 55035, EN 61000-6-1
Environmental	IEC 60068-2-27, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-1, IEC 60068-2-2
Warranty	5-year limited warranty. Extended warranty not available.

SPECIFICATIONS - IMAGER

IMAGE PERFORMANCE		3.0 MP	5.0 MP
Image Sensor		1/2.7 " Progressive Scan	1/2.7 " Progressive Scan
Imaging Area (H x V)		5.4 mm x 3.9 mm; 0.213 " x 0.154 "	
Max Image Rate		(50 Hz/60 Hz): 25 fps/30 fps	
Streaming Resolutions	Primary Stream:	Right Angle: 2128 x 1368, 1920 x 1080, 1360 x 2128, 1088 x 1920 Micro Bullet: 2128 x 1536, 1920 x 1080, 1536 x 2128, 1088 x 1920	Micro Bullet: 2688 x 1944, 2128 x 1536, 2560 x 1440, 1920 x 1080, 1952 x 2688, 1536 x 2128, 1440 x 2560, 1088 x 1920
	Secondary Stream:	Right Angle: 1248 x 800, 832 x 536, 672 x 432, 528 x 336, 400 x 256 1280 x 720, 720 x 480, 640 x 360, 512 x 288, 384 x 216 800 x 1248, 528 x 832, 432 x 672, 336 x 528, 256 x 400 720 x 1280, 480 x 720, 368 x 640, 288 x 512, 240 x 424 Micro Bullet: 1248 x 904, 832 x 600, 672 x 480, 528 x 384, 400 x 288 1280 x 720, 720 x 480, 640 x 360, 512 x 288, 384 x 216 912 x 1248, 608 x 832, 480 x 672, 384 x 528, 288 x 400 720 x 1280, 480 x 720, 368 x 640, 288 x 512, 240 x 424	Micro Bullet: 1248 x 904, 832 x 600, 672 x 480, 528 x 384, 400 x 288 1280 x 720, 720 x 480, 640 x 360, 512 x 288, 384 x 216 912 x 1248, 608 x 832, 480 x 672, 384 x 528, 288 x 400 720 x 1280, 480 x 720, 368 x 640, 288 x 512, 240 x 424
Dynamic Range	WDR Off:	Up to 82 dB	
	WDR On:	Up to 120 dB	
3D Noise Reduction Filter		Yes	

LENS	RIGHT ANGLE	MICRO BULLET
Lens	3.7 mm fixed pinhole aperture	2.8 mm fixed
Minimum Illumination	0.1 lux	
Horizontal Angle of View (HFOV)	92 °	110 °
Vertical Angle of View (VFOV)	53 °	80 °
Max Aperture	F2.5	F2.0
Control	Fixed	

IMAGE CONTROL	
Electronic Shutter Control	Automatic, Manual (1/7.5 to 1/8000 sec)
Iris Control	Fixed
Day/Night Control	Automatic, Manual
Flicker Control	60 Hz, 50 Hz
White Balance	Automatic, Manual
Backlight Compensation	Adjustable
Privacy Zones	Up to 64 zones

CONNECTOR	
Cabling Type	Coaxial cable
Connector	HD BNC

MECHANICAL		RIGHT ANGLE	MICRO BULLET
Dimensions (LxWxH)	Imager Module Body Only	45 mm x 25 mm x 20 mm; 1.77 " x 0.98 " x 0.79 "	42 mm x 30 mm diameter; 1.65 " x 1.18 " diameter
	Including HD BNC Connector	54 mm x 25 mm x 20 mm; 2.13 " x 0.98 " x 0.79 "	50 mm x 30 mm diameter; 1.97 " x 1.18 " diameter

MECHANICAL	RIGHT ANGLE	MICRO BULLET
Weight	0.028 kg (0.06 lbs)	0.043 kg (0.09 lbs)
Body	Aluminum	
Housing	Plastic	
Finish	Black	

ENVIRONMENTAL	RIGHT ANGLE	MICRO BULLET
Operating Temperature	-30 °C to +60 °C (-22 °F to 140 °F)	
Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)	
Humidity	0 - 100% RH	
Environmental	N/A	IP66 Rating

ANALYTICS SPECIFICATIONS

SUPPORTED RULE BASED VIDEO ANALYTIC EVENTS (PER IMAGER)

Objects in Area	The event is triggered when the selected object type moves into the region of interest.
Object Loitering	The event is triggered when the selected object type stays within the region of interest for an extended amount of time.
Object Crossing Beam	The event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view. The beam can be unidirectional or bidirectional.
Object Appears or Enters Area	The event is triggered by each object that enters the region of interest. This event can be used to count objects.
Object Not Present in Area	This event is triggered when no objects are present in the region of interest.
Objects Enter Area	The event is triggered when the specified number of objects have left the region of interest.
Objects Leave Area	The event is triggered when the specified number of objects have left the region of interest.
Object Stops in Area	The event is triggered when an object in a region of interest stops moving for the specified threshold time.
Direction Violated	The event is triggered when an object moves in the prohibited direction of travel.
Tamper Detection	The event is triggered when the scene unexpectedly changes.

SUPPORTED CLASSIFIED OBJECT TYPES

Object Types in Outdoor Mode	Vehicle, sub-types: Car, Truck, Bicycle, Motorcycle, Bus Person
Object Types in Indoor Mode	Person

TEACH BY EXAMPLE

Teach By Example	Yes, when used with Avigilon Control Center™
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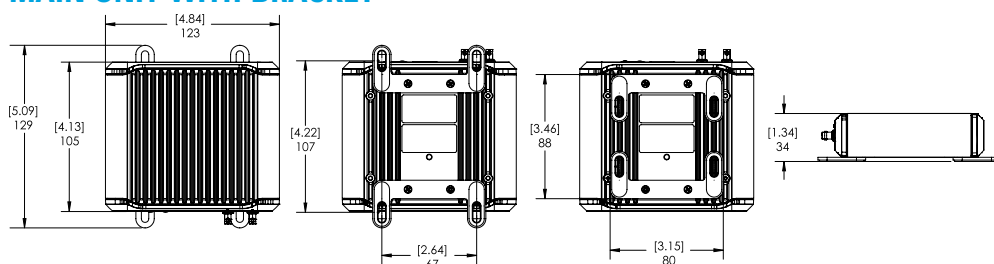
AVIGILON CONTROL CENTER (ACC) VERSIONS SUPPORTED FEATURES*

ACC Version 6.14.26 or higher	All supported analytic events with two types of classified objects: person or vehicle. Appearance search when paired with appropriate server hardware. H.265 supported.
ACC Version 7.14.6 or higher	All supported analytic events with people and vehicles and all vehicle sub-types as classified objects. Appearance search when paired with appropriate server hardware. H.265 supported.

*Indoor Close-up analytic mode is only supported on ACC 7.14.12 and later. Each main unit consumes only one ACC channel license whether one or two imagers are connected.

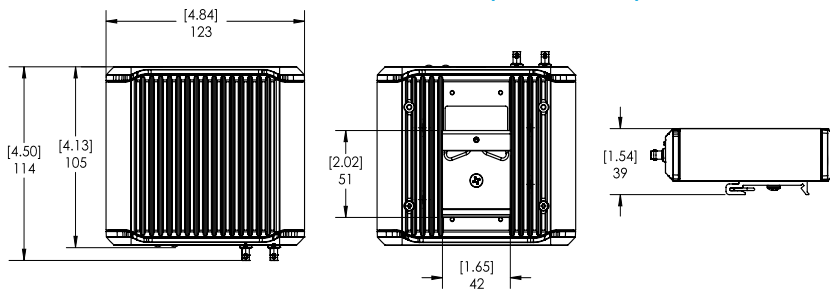
OUTLINE DIMENSIONS

MAIN UNIT WITH BRACKET

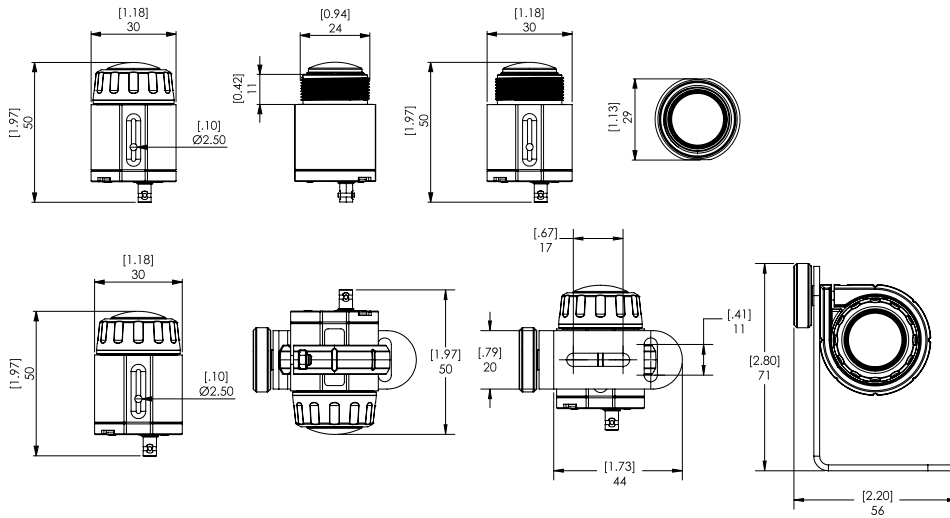


[X.X]	INCHES
X	MM

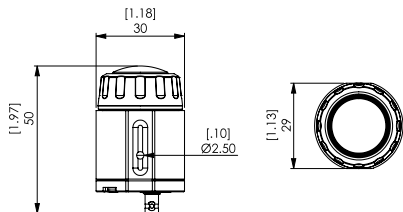
MAIN UNIT WITH DIN RAIL MOUNT (OPTIONAL)



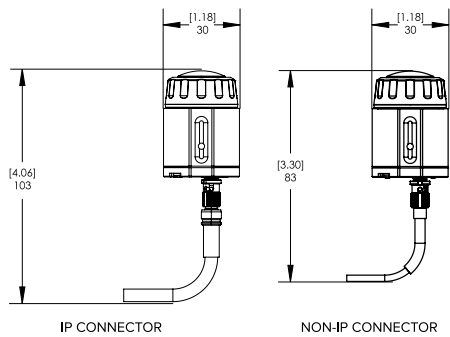
MICRO BULLET IMAGER WITH BRACKET



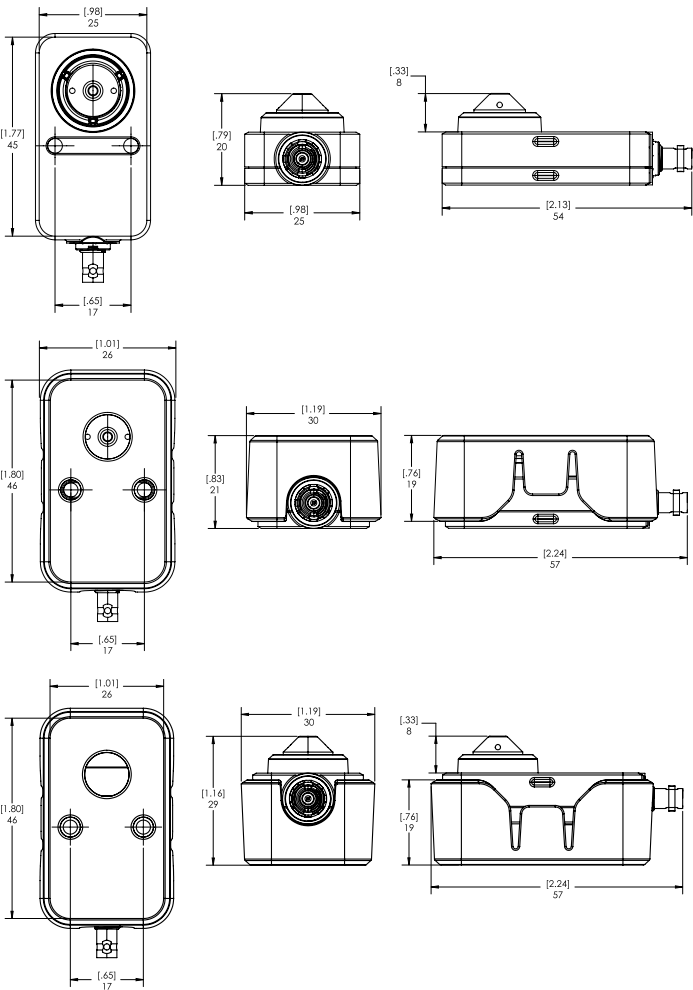
MICRO BULLET IMAGER WITH SIDE RAIL MOUNT



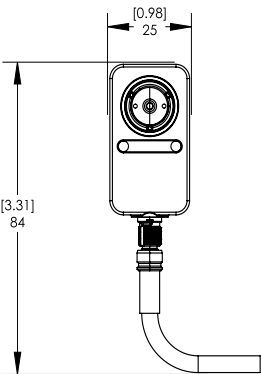
MICRO BULLET IMAGER WITH MIN. CABLE LENGTH



RIGHT ANGLE IMAGER WITH BRACKET






RIGHT ANGLE IMAGER WITH MIN. CABLE LENGTH



ORDERING INFORMATION

The variety of mounting options for the H5A Modular provides maximum flexibility to combine different imager modules and cable configurations.

MAIN UNIT	IMAGER MODULES	REQUIRED ACCESSORIES
 H5A Modular Camera Main Unit (H5A-MOD-2P)	Order up to two imager modules per Main Unit, any combination of the following:  H5A Right Angle Imager (3C-H5MOD-RP4)  H5A Micro Bullet Imager (xC-H5MOD-MB2)	Order one cable for each imager module: <ul style="list-style-type: none">• CBL2M-1001 (2 m)• CBL5M-1001 (5 m)

IMAGER MODULES

With the modular design of the H5A Modular, either camera module can be connected to the H5A Modular Camera Main Unit for maximum versatility and optimal installation.

	FORM FACTOR	MP	WDR	ANALYTICS	LENS	IP66	HDSM SMARTCODEC	LIGHTCATCHER TECHNOLOGY
3C-H5MOD-RP4	Right Angle	3.0	✓	✓	3.7 mm, Fixed Pinhole		✓	✓
3C-H5MOD-MB2	Micro Bullet	3.0	✓	✓	2.8 mm, Fixed	✓	✓	✓
5C-H5MOD-MB2	Micro Bullet	5.0	✓	✓	2.8 mm, Fixed	✓	✓	✓

CAMERA MAIN UNIT

DISPLAY PART NUMBER	DESCRIPTION
H5A-MOD-2P	H5A Modular Camera Main Unit

CAMERA IMAGER

DISPLAY PART NUMBER	DESCRIPTION
3C-H5MOD-RP4	3 MP Pinhole Right Angle Imager (H5A Modular)
3C-H5MOD-MB2	3 MP Fixed Lens Micro Bullet Imager (H5A Modular)
5C-H5MOD-MB2	5 MP Fixed Lens Micro Bullet Imager (H5A Modular)

CAMERA CABLES

DISPLAY PART NUMBER	DESCRIPTION
CBL2M-1001	2 m (6 ft) HD BNC Cable for H5A Modular Camera Imager
CBL5M-1001	5 m (16 ft) HD BNC Cable for H5A Modular Camera Imager

OPTIONAL MOUNTING ADAPTERS

DISPLAY PART NUMBER	DESCRIPTION
BRKTMD-1001	Din rail mount for H5A Modular Camera Main Unit
BRKTMD-1011	Replacement L Bracket for Micro Bullet Imager H5A Modular
BRKTMD-1021	Replacement Flat Bracket for Right Angle Imager H5A Modular
BRKTMD-1031	Replacement Trimming Bracket for Micro Bullet Imager H5A Modular

OPTIONAL LICENSES AND ACCESSORIES*

DISPLAY PART NUMBER	DESCRIPTION
CAM-FIPS	Camera license to enable FIPS Level 1 cryptographic mode on any H5A camera
CAM-FIPS-CRYPTR-L3	MSI CRYPTR SD with camera license to enable FIPS Level 3 cryptographic mode on H5A cameras

*Only one license required per main unit whether one or two imagers are connected.

SUPPORT

Learn more and find additional documentation at avigilon.com or email sales@avigilon.com for specific product support.



Aug 2022 | Rev 6

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AVIGILON™

H6A and H6X Bullet Cameras

Flexibility And Compliance At Your Fingertips



The Avigilon **H6A camera line** elevates your situational awareness to new heights by combining onboard video analytics with audio analytics. It comes with a built-in mic to alert you of auditory disturbances, allowing you to not only see, but also hear what's happening. If you need to meet certain privacy and/or cybersecurity requirements, the AI-powered **H6X camera line** has been designed with no built-in mic nor wireless technology for easy compliance. See farther distances and secure more ground with the **short and long bullet** form factor that's available on both camera lines.



AdaptAI Video Analytics

Be a step ahead of incidents with the camera's ability to flag unusual crowds or a person crawling along your perimeters. Classify more objects such as a van, pick-up truck or large truck with analytics event support.



Outdoor Ready Design

Safeguard the outdoors with the bullet's exceptionally tough exterior that is rated IK10/11, IP66/67/68 and NEMA Type 4X² to withstand impact, water, corrosion and more.



Audio Analytics & Recording

Expand your awareness with alerts for gunshots¹, breaking glass, screaming and more. Review video from the triggering camera to investigate the sound. Have the option to record audio when you need it.



Low-Light Clarity

Never miss a moment in low-light or completely dark conditions with IR illumination built into the bullet camera. Achieve 24/7 visibility of your site at all times.



Dynamic Privacy Masking

Easily meet privacy requirements with the ability to track and blur people and vehicles appearing in video, but have the flexibility for authorized personnel to lift it during investigations.



Secure & Compliant

Trust that your data is well-protected with advanced cybersecurity features such as an onboard FIPS 140-2 level 3 compliant TPM and Secure Boot.

¹ Separate license required.

² Environmental ratings will vary by models.

For more information, visit avigilon.com/security-cameras/h6a-bullet or avigilon.com/security-cameras/h6x-bullet.

Specifications

Image Performance		2.0 MP	4.0 MP	6.0 MP	8.0 MP (4K Ultra HD)
Image Sensor		1/2.8" progressive scan CMOS	1/1.8" progressive scan CMOS		
Max Resolution (H x V) and Aspect Ratio	Primary	(16:9) 1920 x 1080	(16:9) 2688 x 1520, 2560 x 1440, 1920 x 1080 (4:3) 1984 x 1488	(16:9) 3328 x 1872, 3200 x 1800, 2688 x 1520, 2560 x 1440, 1920 x 1080 (4:3) 2880 x 2160, 2304 x 1728, 2048 x 1536	(16:9) 3840 x 2160, 3328 x 1872, 3200 x 1800, 3072 x 1728 (4:3) 2880 x 2160, 2560 x 1920
	Secondary	(16:9) 1920 x 1080*, 1280 x 720, 768 x 432, 640 x 360, 512 x 288	(16:9) 2688 x 1520*, 1920 x 1080, 1280 x 720, 768 x 432, 640 x 360, 512 x 288 (4:3) 1984 x 1488*, 1920 x 1440, 1600 x 1200, 1280 x 960, 768 x 576, 640 x 480, 512 x 384, 384 x 288;	(16:9) 3328 x 1872*, 1920 x 1080, 1280 x 720, 768 x 432, 640 x 360, 512 x 288 (4:3) 2880 x 2160*, 1920 x 1440, 1600 x 1200, 1280 x 960, 768 x 576, 640 x 480, 512 x 384, 384 x 288	(16:9) 3840 x 2160*, 2560 x 1440, 1920 x 1080, 1280 x 720, 768 x 432, 640 x 360, 512 x 288 (4:3) 2880 x 2160*, 2560 x 1920, 2304 x 1728, 1920 x 1440, 1600 x 1200, 1280 x 960, 768 x 576, 640 x 480, 512 x 384
	Tertiary	(16:9) 1280 x 720, 768 x 432, 640 x 360, 512 x 288, 384 x 216	(16:9) 1280 x 720, 768 x 432, 640 x 360, 512 x 288, 384 x 216 (4:3) 1280 x 960, 800 x 600, 640 x 480, 512 x 384, 368 x 264	(16:9) 1280 x 720, 768 x 432, 640 x 360, 512 x 288, 384 x 216 (4:3) 1280 x 960, 768 x 576, 640 x 480, 512 x 384, 384 x 288, 368 x 264	(16:9) 1920 x 1080 1280 x 720, 768 x 432, 640 x 360, 512 x 288, 384 x 216 (4:3) 1920 x 1440, 1600 x 1200, 1280 x 960, 800 x 600, 640 x 480, 512 x 384, 384 x 288, 368 x 264
Dynamic Range	WDR Off	Up to 83 dB			
	WDR On (IEC 62676)	Up to 126 dB (dual exposure, 30 fps) Up to 144 dB (triple exposure, 20 fps or less)	Up to 106dB (dual exposure, 30 fps) Up to 136dB (triple exposure, 20 fps or less)	Up to 130dB (dual exposure, 30 fps)	
	WDR On	Up to 130 dB (dual exposure, 30 fps) Up to 150 dB (triple exposure, 20 fps or less)	Up to 120dB (dual exposure, 30 fps) Up to 144dB (triple exposure, 20 fps or less)	Up to 144 dB (dual exposure, 20 fps or less)	
Max Image Rate ¹		(50 Hz/60 Hz): 50 fps/60 fps in High Frame Rate Mode ² , otherwise 25 fps/30 fps		(50 Hz/60 Hz): 25 fps/30 fps	
Bandwidth Management		HDSM SmartCodec technology; Idle scene mode			

*Only available at half frame rate of the primary stream.

¹ Max Frame Rate of 15 fps when classified object privacy masking is enabled.

² Max Frame Rate of 60 fps is only achievable with High Frame Rate mode enabled. High Frame Rate mode will disable analytics.

		H6A-BO1		H6A-BO2 ²	
Lens and IR Illumination		2.8 - 12 mm	4.4 - 9.3 mm	4.5 - 148.5 mm	6.9 - 214.6 mm
IR Illumination Max Distance ¹ (high power 850 nm LEDs)		50 m (164 ft), full tele 30 m (98 ft), full wide	70 m (229 ft), full tele 30 m (131 ft), full wide	170m (558 ft), full tele 40m (131ft), full wide	
Minimum Illumination	2 MP	With IR: 0 lux in monochrome mode Without IR: 0.003 lux in monochrome mode; 0.01 in color mode	N/A	With IR: 0 lux in monochrome mode Without IR: 0.004 lux in monochrome mode; 0.01 lux in color mode	
	4 MP	N/A	With IR: 0 lux in monochrome mode Without IR: 0.003 lux in monochrome mode; 0.008 lux in color mode	With IR: 0 lux in monochrome mode Without IR: 0.004 lux in monochrome mode; 0.01 lux in color mode	
	6 MP & 8 MP	N/A	With IR: 0 lux in monochrome mode Without IR: 0.006 lux in monochrome mode; 0.02 lux in color mode	With IR: 0 lux in monochrome mode Without IR: 0.008 lux in monochrome mode; 0.03 lux in color mode	
Horizontal Angle of View Based on Aspect Ratio	2 MP	(16:9) 27° - 118°	N/A	(16:9) 3.4° - 61°	
	4 MP	N/A	(16:9) 47° - 111° (4:3) 35° - 78°	(16:9) 2.9° - 62.5° (4:3) 2.2° - 47°	
	6 MP & 8 MP	N/A	(16:9) 47° - 109° (4:3) 35° - 78°	(16:9) 2.9° - 62.5° (4:3) 2.2° - 48°	
Vertical Angle of View Based on Aspect Ratio	2 MP	(16:9) 15° - 64°	N/A	(16:9) 1.9° - 37°	
	4 MP	N/A	(16:9) 26° - 57° (4:3) 26° - 57°	(16:9) 1.6° - 36° (4:3) 1.6° - 36°	
	6 MP & 8 MP	N/A	(16:9) 26° - 57° (4:3) 26° - 57°	(16:9) 1.6° - 36° (4:3) 1.6° - 36°	
Max Aperture		F1.4	F1.3	F1.4	
Control		Remote Zoom and Focus, Autofocus, IR Cut Filter			

¹ IR illumination power may be reduced at higher operating temperatures.

² Minimum Illumination with IR was measured at F/1.4.

Image Control	
Image Compression Method	H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG
Streaming	Multi-stream H.264, Multi-stream H.265, Motion JPEG
Motion Detection	Pixel motion: Selectable sensitivity and threshold. Classified object detection
Camera Tamper Detection	Yes
Electronic Shutter Control	Automatic, Manual (1/7.5 to 1/15000 sec)
Iris Control	Automatic, Open, Closed
Day/Night Control	Automatic, Manual, External
Flicker Control	60 Hz, 50 Hz
White Balance	Automatic, Manual
Backlight Compensation	Adjustable
Image Rotation	0°, 90°, 180°, 270° including Corridor Mode
Privacy Zones	Up to 64 zones

Network	
Network	100BASE-TX for H6A, 1000BASE-T for H6X
Cabling	CAT5e
Connector	RJ-45
ONVIF	ONVIF® compliance Profile S, Profile T, Profile M and Profile G (www.onvif.org)
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, FIPS 140-2 L1 (with optional camera license), onboard FIPS 140-2 L3 certified TPM, Secure Boot
Protocols	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv3, ICMP, DHCP, Zeroconf, ARP, HSTS, QoS, DSCP
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP
Device Management Protocols	SNMP v2c, SNMP v3

Peripherals	
USB Port	USB 2.0
Onboard Storage ³	Two microSD/microSDHC/microSDXC slots - video speed class card required. Class V10 or better recommended.

³ Tested maximum capacity is 1TB.

Auxiliary I/O	
Audio Compression Method	G.711 PCM 8 kHz, Opus
Audio Input/Output	Line level input and output
External I/O Terminals	1 x Relay In, 1 x Relay Out, 1 x 12 VDC out at 50 mA
Microphone	Built-in microphone for audio analytics, for certain variants, with physical disable switch

Mechanical		H6A-BO1	H6A-BO2
Dimensions (LxWxH)		311 mm x 133 mm x 133 mm; 12.23" x 5.23" x 5.23"	407mm x 137mm x 138mm; 16.02" x 5.39" x 5.43"
Weight	Camera	2.11 kg; 4.65 lbs	2.92 kg; 6.43 lbs
	Wall Plate	0.15 kg; 0.33 lbs	
Body		Polycarbonate and aluminum	
Housing		Backbox Mount	
Finish		High polished plastic injection mold; Powdercoat grey, pantone 427C	
Adjustment Range		Hinge +/- 90°, Rotation +/- 175°	

Electrical		H6A-BO1	H6A-BO2
Power Consumption		25W Max	
Power Source	PoE	IEEE 802.3af Class 3	
	PoE+	IEEE 802.3at Class 4	
IR Illuminator Behavior	PoE	Above 60 °C (140 °F), IR will be disabled. Between -5 °C (23 °F) and 55 °C (131 °F), IR operates at 30% power. Below -20 °C (-4 °F), IR operates at 10% power. Hysteresis at 5 °C (9 °F).	Above 60 °C (140 °F), IR will be disabled. Between -5 °C (23 °F) and 55 °C (131 °F), IR operates at 30% power. Below -20 °C (-4 °F), IR operates at 10% power. Hysteresis: 5 °C (9 °F).
	PoE+ or Aux Power	Above 60 °C (140 °F), IR will be disabled. Between 50 °C (122 °F) and 60 °C (140 °F), IR operates at 50% power. Below -20 °C (-4 °F), IR operates at 50% power. Hysteresis at 5 °C (9 °F).	Above 60 °C (140 °F), IR will be disabled. Between 50 °C (122 °F) and 60 °C (140 °F), IR operates at 60% power. Below -20 °C (-4 °F), IR operates at 60% power. Hysteresis: 5 °C (9 °F).
External Power		12-24 VDC +/-10%	
RTC Backup Battery		3V manganese lithium	
Memory		4GB RAM, 4GB Flash	
Redundant Power		Seamless failover between PoE and Aux and back without interrupt in camera operation (for H6X only)	

Environmental		
Operating Temperature		-50°C to +65°C (-58°F to 149°F)
Startup Temperature		-40°C to +65°C (-40°F to 149°F)
Absolute Maximum Temperature		74°C (165°F) per NEMA TS2 (Temp.) para 2.2.7.2 - 2.2.7.7
Storage Temperature		-10°C to +70°C (14°F to 158°F)
Humidity		0 - 100% non-condensing
Certifications		
Certifications/Approvals		UL, cUL, CE, ROHS, RCM, UKCA, NOM, KC, BIS
Safety Standards		UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC 62471
Environmental Standards/Ratings	H6A	IEC 60529 IP66, IP67, IP68 (1.8m depth for 2 hours), NEMA 4X, IEC 60068-2 Shock & Vibration, NEMA TS2 Sec 2.2.7-2.2.9, IK10
	H6X	IEC 60529 IP66, IP67, IP68 (1.8m depth for 2 hours), IPX9K, NEMA 4X, IEC 60068-2 Shock & Vibration, NEMA TS2 Sec 2.2.7-2.2.9, IK10
Electromagnetic Emissions Standards		FCC Part 15 Subpart B Class B, ICES-003 Class B, EN 55032 Class B, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3, EN 50121-4, EN 50130-4
Electromagnetic Immunity Standards		EN 55035, EN 61000-6-1, EN 50121-4, EN 50130-4
Warranty		Limited 5 Year Warranty (avigilon.com/warranty)

Analytics Specifications

Supported Analytics Events	
Objects in Area	The event is triggered when the selected object type moves into the region of interest. This event can be used to count objects.
Object Loitering	The event is triggered when the selected object type moves into the region of interest and then stays for an extended amount of time.
Objects Crossing Beam	The event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view. The beam can be unidirectional or bidirectional.
Object Appears or Enters Area	The event is triggered by each object that enters the region of interest.
Object Not Present in Area	The event is triggered when no objects are present in the region of interest.
Objects Enter Area	The event is triggered when the specified number of objects have entered the region of interest.
Objects Leave Area	The event is triggered when the specified number of objects have left the region of interest.
Object Stops in Area	The event is triggered when an object moves into a region of interest and then stops moving for the specified threshold time.
Direction Violated	The event is triggered when an object moves in the prohibited direction of travel.
Smart Motion Rule	Events are sent for person (including crawling) and vehicle present, against default unchangeable parameters.
Tamper Detection	The event is triggered when the scene unexpectedly changes.
Crowd Size	This event is triggered when the number of people is exceeded over a configurable duration.
Unusual Crowd Growth	This event is triggered when a crowd size grows unexpectedly.
Unusual Crowd Size	This event is triggered when an unusual crowd size is detected.

Analytics capabilities, including detection range, may vary by camera line. Please consult the Avigilon Self-Learning Video Analytics Design Guide for details

Supported Classified Object Types	
Object Types in Outdoor Mode	Vehicle, sub-types: Car, Pickup Truck, Large Truck, Van, Bicycle, Motorcycle, Bus Person
Object Types in Indoor Mode	Person

Teach by Example	
Teach By Example	Yes, when used with Avigilon Control Center™ or Avigilon Unity Video

Supported Audio Analytics Events	
Gunshot ¹	Up to 100 meters
Scream	Up to 15 meters
Glass Break	Up to 15 meters
Car Alarm	Up to 30 meters
Smoke Alarm	Up to 15 meters
Dog Bark	Up to 15 meters
Loud Noise	Up to 40 meters
Ultrasonic Panic Alarm ²	Up to 40 meters

¹ Optional add-on license required.

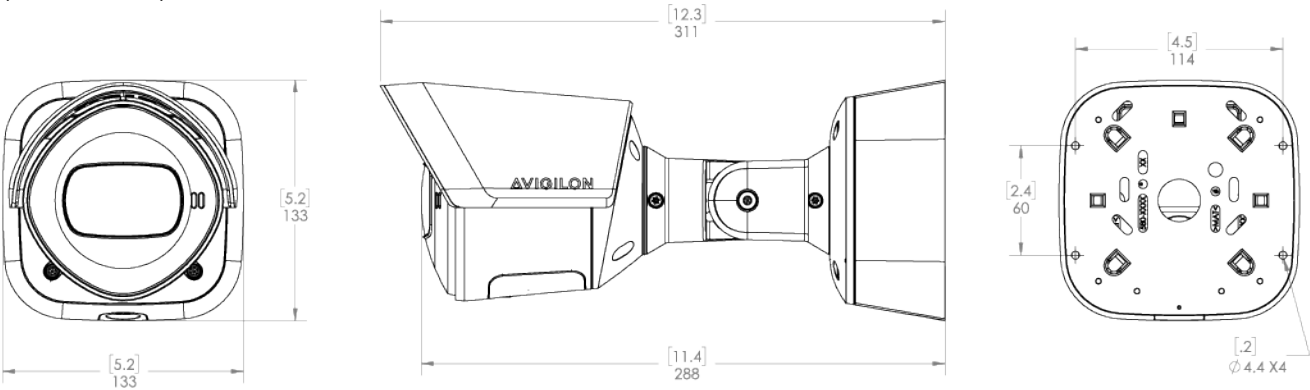
² The detection range is influenced by the quality and power of the device used to create the panic alarm.

Avigilon Software Supported Features	
Avigilon Unity Video 8.0 or higher	All supported analytic events with people and vehicles and all vehicle sub-types as classified objects. Appearance search when paired with appropriate server hardware. Unusual Activity Detection. H.265 supported. Audio analytics. Crowd analytics. Classified object privacy masking.
ACC Version 7.2 or higher	All supported analytic events with people and vehicles as classified objects. Appearance search when paired with appropriate server hardware. Unusual Activity Detection. H.265 supported.

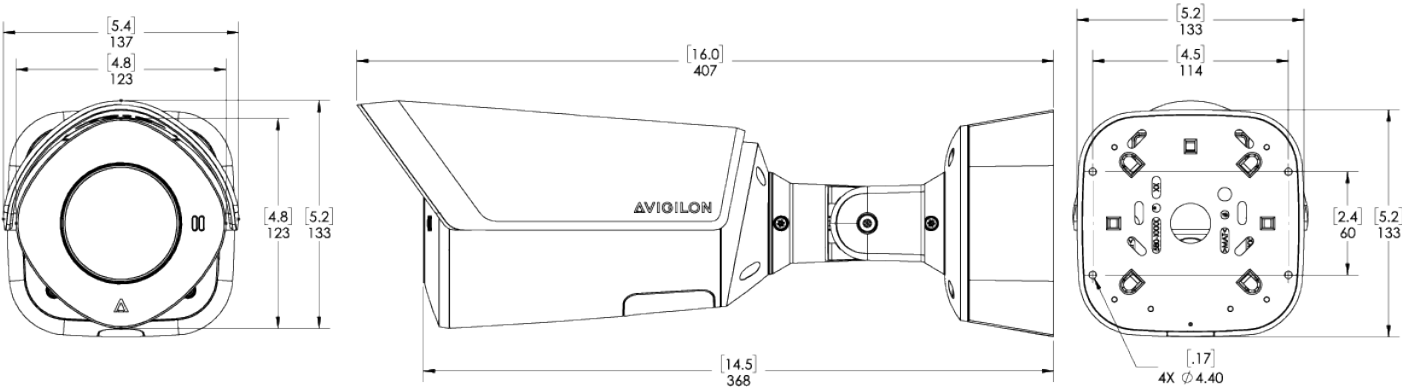
Outline Dimensions

Short Bullet Camera (H6A-BO1-IR)

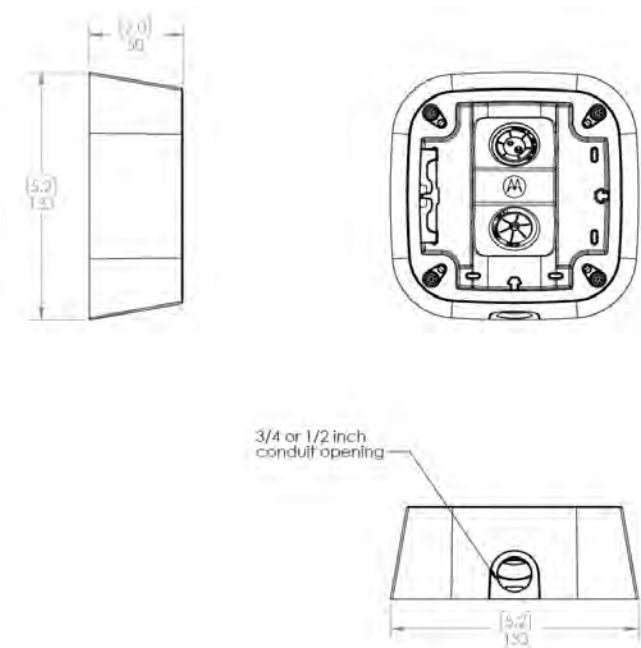
[X.X]	INCHES
X	MM



Long Bullet Camera (H6A-BO2-IR)



Junction Box



Ordering Information

Bullet Camera

Model	MP	WDR	Lightcatcher Technology	Lens	IR	Analytics	HDSM SmartCodec	Microphone	Seamless Failover
2.0C-H6A-BO1-IR	2.0	✓	✓	2.8 - 12 mm	✓	✓	✓	✓	
2.0C-H6A-BO2-IR	2.0	✓	✓	4.5 - 148.5 mm	✓	✓	✓	✓	
4.0C-H6A-BO1-IR	4.0	✓	✓	4.4 - 9.3 mm	✓	✓	✓	✓	
4.0C-H6A-BO2-IR	4.0	✓	✓	6.9 - 214.6 mm	✓	✓	✓	✓	
6.0C-H6A-BO1-IR	6.0	✓	✓	4.4 - 9.3 mm	✓	✓	✓	✓	
6.0C-H6A-BO2-IR	6.0	✓	✓	6.9 - 214.6 mm	✓	✓	✓	✓	
8.0C-H6A-BO1-IR	8.0	✓	✓	4.4 - 9.3 mm	✓	✓	✓	✓	
8.0C-H6A-BO2-IR	8.0	✓	✓	6.9 - 214.6 mm	✓	✓	✓	✓	
4.0C-H6X-BO1-IR	4.0	✓	✓	4.4 - 9.3 mm	✓	✓	✓		✓
4.0C-H6X-BO2-IR	4.0	✓	✓	6.9 - 214.6 mm	✓	✓	✓		✓
8.0C-H6X-BO1-IR	8.0	✓	✓	4.4 - 9.3 mm	✓	✓	✓		✓
8.0C-H6X-BO2-IR	8.0	✓	✓	6.9 - 214.6 mm	✓	✓	✓		✓

Bullet Camera Accessories

H6A-BO-SHLD1	Replacement BO1 bullet sunshield
H6A-BO-SHLD2	Replacement BO2 bullet sunshield
CBLKIT-1011	USB adapter cable, for use with USB-AC56 Wifi install kit
USB-AC56-NA-MSI	USB Wifi adapter install kit (North America)
USB-AC56-EU-MSI	USB Wifi adapter install kit (Europe)
PLMT-1001	Pole mount adapter
CRNMT-1001	Corner mount adapter
CAM-AA-GUNSHOT	Avigilon Camera Gunshot Audio Analytics Channel, one per camera
CAM-AA-GUNSHOT-180D	Avigilon Camera Gunshot Audio Analytics Channel, 180 day demo license. Please contact Avigilon Technical Support.
CAM-FIPS	Camera license to enable FIPS cryptographic module.

Support

Learn more and find additional documentation at avigilon.com or email sales@avigilon.com for specific product support.



AVIGILON™

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H6A and H6X Dome Cameras

2 MP

4 MP

6 MP

8 MP

The Avigilon **H6A camera line** elevates your situational awareness to new heights by combining onboard video analytics with audio analytics. It comes with a built-in mic to alert you of auditory disturbances, allowing you to not only see, but also hear what's happening. If you need to meet certain privacy and/or cybersecurity requirements, the AI-powered **H6X camera line** has been designed with no built-in mic nor wireless technology for easy compliance. Take on any environment with the flexible **dome** form factor that's available on both camera lines. Its modular design and multiple mounting options offer maximum installation flexibility.



Features



AdaptAI Video Analytics

Be a step ahead of incidents with the camera's ability to flag unusual crowds or a person crawling under a fence. Classify more objects such as a commercial van, pick-up truck or box truck with analytics event support.



Audio Analytics & Recording

Expand your awareness with alerts for gunshots¹, breaking glass, screaming and more. Review video from the triggering camera to investigate the sound. Have the option to record audio when you need it.



Dynamic Privacy Masking

Easily meet privacy requirements with the ability to track and blur people and vehicles appearing in video, but have the flexibility for authorized personnel to lift it during investigations.



Outdoor-Ready Design

Safeguard the outdoors with the exceptionally tough outdoor dome that is rated IK10/11, IP66/67 and NEMA Type 4X² to withstand impact, water, corrosion and more.



Low-Light Clarity

Never miss a moment in low-light conditions with IR models available. The split IR dome is designed for 24/7 visibility, even when dust collects on the camera, reducing the number of maintenance visits.



Secure & Compliant

Trust that your data is well-protected with advanced cybersecurity features such as an onboard FIPS 140-2 level 3 compliant TPM and Secure Boot.

¹ Separate license required.

² Environmental ratings will vary by models.

Specifications

Image Performance		2.0 MP	4.0 MP	6.0 MP	8.0 MP (4K Ultra HD)
Image Sensor		1/2.8" progressive scan CMOS	1/1.8" progressive scan CMOS		
Max Resolution (H x V) and Aspect Ratio	Primary	(16:9) 1920 x 1080	(16:9) 2688 x 1520, 2560 x 1440, 1920 x 1080 (4:3) 1984 x 1488	(16:9) 3328 x 1872, 3200 x 1800, 2688 x 1520, 2560 x 1440, 1920 x 1080 (4:3) 2880 x 2160, 2304 x 1728, 2048 x 1536	(16:9) 3840 x 2160, 3328 x 1872, 3200 x 1800, 3072 x 1728 (4:3) 2880 x 2160, 2560 x 1920
	Secondary	(16:9) 1920 x 1080*, 1280 x 720, 768 x 432, 640 x 360, 512 x 288	(16:9) 2688 x 1520*, 1920 x 1080, 1280 x 720, 768 x 432, 640 x 360, 512 x 288 (4:3) 1984 x 1488*, 1920 x 1440, 1600 x 1200, 1280 x 960, 768 x 576, 640 x 480, 512 x 384, 384 x 288;	(16:9) 3328 x 1872*, 1920 x 1080, 1280 x 720, 768 x 432, 640 x 360, 512 x 288 (4:3) 2880 x 2160*, 1920 x 1440, 1600 x 1200, 1280 x 960, 768 x 576, 640 x 480, 512 x 384, 384 x 288	(16:9) 3840 x 2160*, 2560 x 1440, 1920 x 1080, 1280 x 720, 768 x 432, 640 x 360, 512 x 288 (4:3) 2880 x 2160*, 2560 x 1920, 2304 x 1728, 1920 x 1440, 1600 x 1200, 1280 x 960, 768 x 576, 640 x 480, 512 x 384
	Tertiary	(16:9) 1280 x 720, 768 x 432, 640 x 360, 512 x 288, 384 x 216	(16:9) 1280 x 720, 768 x 432, 640 x 360, 512 x 288, 384 x 216 (4:3) 1280 x 960, 800 x 600, 640 x 480, 512 x 384, 368 x 264	(16:9) 1280 x 720, 768 x 432, 640 x 360, 512 x 288, 384 x 216 (4:3) 1280 x 960, 768 x 576, 640 x 480, 512 x 384, 384 x 288, 368 x 264	(16:9) 1920 x 1080 1280 x 720, 768 x 432, 640 x 360, 512 x 288, 384 x 216 (4:3) 1920 x 1440, 1600 x 1200, 1280 x 960, 800 x 600, 640 x 480, 512 x 384, 384 x 288, 368 x 264
Dynamic Range	WDR Off	Up to 83 dB			
	WDR On (IEC 62676)	Up to 126 dB (dual exposure, 30 fps) Up to 144 dB (triple exposure, 20 fps or less)	Up to 106dB (dual exposure, 30 fps) Up to 136dB (triple exposure, 20 fps or less)	Up to 130dB (dual exposure, 30 fps)	
	WDR On	Up to 130 dB (dual exposure, 30 fps) Up to 150 dB (triple exposure, 20 fps or less)	Up to 120dB (dual exposure, 30 fps) Up to 144dB (triple exposure, 20 fps or less)	Up to 144 dB (dual exposure, 20 fps or less)	
Max Image Rate		(50 Hz/60 Hz): 50 fps/60 fps in High Frame Rate Mode ¹ , otherwise 25 fps/30 fps		(50 Hz/60 Hz): 25 fps/30 fps	
Bandwidth Management		HDSM SmartCodec technology; Idle scene mode			

*Only available at half frame rate of the primary stream.

¹ Max Frame Rate of 60 fps is only achievable with High Frame Rate mode enabled. High Frame Rate mode will disable analytics.

Lens and IR Illumination		2.8 - 12 mm	4.4 - 9.3 mm	10.9 - 29 mm
IR Illumination Max Distance ² (high power 850 nm LEDs)		50 m (164 ft) full tele 25 m (82 ft) full wide	50 m (164 ft) full tele 25 m (82 ft) full wide	70 m (230 ft) full tele 40 m (131 ft) full wide
Minimum Illumination	2 MP	With IR: 0 lux in monochrome mode Without IR: 0.003 lux in monochrome mode; 0.01 lux in color mode	N/A	With IR: 0 lux in monochrome mode Without IR: 0.004 lux in monochrome mode; 0.01 lux in color mode
	4 MP	N/A	With IR: 0 lux in monochrome mode Without IR: 0.003 lux in monochrome mode; 0.008 lux in color mode	With IR: 0 lux in monochrome mode Without IR: 0.004 lux in monochrome mode; 0.01 lux in color mode
	6 MP & 8 MP	N/A	With IR: 0 lux in monochrome mode Without IR: 0.006 lux in monochrome mode; 0.02 lux in color mode	With IR: 0 lux in monochrome mode Without IR: 0.008 lux in monochrome mode; 0.03 lux in color mode

Lens and IR Illumination		2.8 - 12 mm	4.4 - 9.3 mm	10.9 - 29 mm
Horizontal Angle of View Based on Aspect Ratio	2 MP	(16:9) 27° - 119°	N/A	(16:9) 11° - 30°
	4 MP	N/A	(16:9) 47° - 111° (4:3) 35° - 78°	(16:9) 15° - 42° (4:3) 11° - 31°
	6 MP & 8MP	N/A	(16:9) 47° - 109° (4:3) 35° - 78°	(16:9) 15° - 42° (4:3) 11° - 31°
Vertical Angle of View Based on Aspect Ratio	2 MP	(16:9) 15° - 64°	N/A	(16:9) 6° - 16.5°
	4 MP & 6 MP & 8 MP	N/A	(16:9) 26° - 57° (4:3) 26° - 57°	(16:9) 9° - 23° (4:3) 9° - 23°
Max Aperture		F1.4	F1.3	F1.7
Control		Remote Zoom and Focus, Autofocus, IR Cut Filter		

² IR illumination power may be reduced at higher operating temperatures.

Image Control	
Image Compression Method	H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG
Streaming	Multi-stream H.264, Multi-stream H.265, Motion JPEG
Motion Detection	Pixel motion: Selectable sensitivity and threshold. Classified object detection
Camera Tamper Detection	Yes
Electronic Shutter Control	Automatic, Manual (1/7.5 to 1/15000 sec)
Iris Control	Automatic, Open, Closed
Day/Night Control	Automatic, Manual, External
Flicker Control	60 Hz, 50 Hz
White Balance	Automatic, Manual
Backlight Compensation	Adjustable
Image Rotation	0°, 90°, 180°, 270° including Corridor Mode
Privacy Zones	Up to 64 zones

Network	
Network	100BASE-TX for H6A, 1000BASE-T for H6X
Cabling	CAT5e
Connector	RJ-45
ONVIF	ONVIF® compliance Profile S, Profile T, Profile M and Profile G (www.onvif.org)
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, FIPS 140-2 L1 (with optional camera license), onboard FIPS 140-2 L3 certified TPM, Secure Boot
Protocols	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv3, ICMP, DHCP, Zeroconf, ARP, HSTS, QoS, DSCP
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP
Device Management Protocols	SNMP v2c, SNMP v3

Peripherals	
USB Port	USB 2.0
Onboard Storage ³	Two microSD/microSDHC/microSDXC slots - video speed class card required. Class V10 or better recommended.

³ Tested maximum capacity is 1TB.

Auxiliary I/O	
Audio Compression Method	G.711 PCM 8 kHz, Opus
Audio Input/Output	Line level input and output
External I/O Terminals	1 x Relay In, 1 x Relay Out, 1 x 12 VDC out at 50 mA
Microphone	Built-in microphone for audio analytics, for certain variants, with physical disable switch

Mechanical		Surface Mount	In-Ceiling mount	Pendant Mount
Dimensions (DxH)		182 mm x 132 mm; 7.16" x 5.19"	219 mm x 198 mm; 8.62" x 7.79"	182 mm x 190 mm; 7.16" x 7.48"
Accessory Only Dimensions (DxH)		N/A	219 mm x 115 mm; 8.62" x 4.52"	155 mm x 65 mm; 6.1" x 2.55"
Weight	Indoor Dome	1.21 kg; 2.66 lbs	1.83 kg; 4.03 lbs	1.63 kg; 3.59 lbs
	Outdoor Dome	1.59 kg; 3.5 lbs	1.99 kg; 4.38 lbs	2.01 kg; 4.43 lbs
Dome Bubble		Polycarbonate	Polycarbonate	Polycarbonate
Body		Polycarbonate and aluminum	Polycarbonate and aluminum	Polycarbonate and aluminum
Housing		Surface mount	Recessed mount	Pendant mount
Finish	Indoor Dome	Plastic injection mold grey (Pantone 427C)	Plastic injection mold grey (Pantone 427C) & Powdercoat black	Powdercoat grey & plastic injection mold grey (Pantone 427C)
	Outdoor Dome	Powdercoat grey (Pantone 427C)	Plastic injection mold grey (Pantone 427C) & Powdercoat black	Powdercoat grey (Pantone 427C)
Adjustment Range		Pan 360°, Azimuth 349°, Tilt 92°		

Electrical		
Power Consumption		25W (18W with no IR or IR disabled)
Power Source	PoE	IEEE 802.3af Class 3
	PoE+	IEEE 802.3at Class 4
IR Illumination Behavior	PoE	IR illuminator will turn off if the temperature is 65°C (149°F) or higher. The illuminator will operate at 50% power and 25% power if below -25°C (-13°F)
	PoE+	IR illuminator will turn off if the temperature is 65°C (149°F) or higher. The illuminator will operate at 50% power if the temperature is between 55°C (131°F) and 65°C (149°F) and 50% power if below -25°C (-13°F)
External Power		12-24 VDC +/-10%
RTC Backup Battery		3V manganese lithium
Memory		4GB RAM, 4GB Flash
Redundant Power		Seamless failover between PoE and Aux and back without interrupt in camera operation (for H6X only)

Environmental		Indoor Dome	Outdoor Dome
Operating Temperature	PoE	-10°C to +55°C (-14°F to 131°F)	-30°C to +65°C (-22°F to 149°F) with IEEE 802.3af Class 3 (13W PoE)
	With External Power or PoE+	-10°C to +55°C (-14°F to 131°F)	-50°C to +65°C (-58°F to 149°F) with external power or IEEE 802.3at Class 4 (25.5W PoE+)
Startup Temperature	PoE	-10°C to +55°C (-14°F to 131°F)	-30°C to +65°C (-22°F to 149°F) with IEEE 802.3af Class 3 (13W PoE)
	With External Power or PoE+	-10°C to +55°C (-14°F to 131°F)	-40°C to +65°C (-40°F to 149°F) with external power or IEEE 802.3at Class 4 (25.5W PoE+)
Absolute Maximum Temperature		74 °C (165 °F) per NEMA TS2 (Temp.) para 2.2.7.2 - 2.2.7.7	
Storage Temperature		-10°C to +70°C (14°F to 158°F)	
Humidity		0 - 95% non-condensing	

Certifications		
Certifications/Approvals		UL, cUL, CE, ROHS, RCM, UKCA, NOM, KC, BIS
Safety Standards		UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC 62471, UL 2043 Plenum (in-ceiling only)
Environmental Standards/Ratings	Indoor Dome	IEC 60529 IP54, IEC/EN 62262 IK11 (IK10 Surface Mount w/IR)
	Outdoor Dome	IEC 60529 IP66, IP67, IP68 (2m depth for 2 hours), IPX9K, NEMA 4X, IEC 60068-2 Shock & Vibration, NEMA TS2 Sec 2.2.7-2.2.9, IK11
Electromagnetic Emissions Standards		FCC Part 15 Subpart B Class B, ICES-003 Class B, EN 55032 Class B, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3, EN 50121-4, EN 50130-4
Electromagnetic Immunity Standards		EN 55035, EN 61000-6-1, EN 50121-4, EN 50130-4
Warranty		Limited 5 Year Warranty (avigilon.com/warranty)

Analytics Specifications

Supported Analytics Events	
Objects in Area	The event is triggered when the selected object type moves into the region of interest.
Object Loitering	The event is triggered when the selected object type moves into the region of interest and then stays for an extended amount of time.
Objects Crossing Beam	The event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view. The beam can be unidirectional or bidirectional.
Object Appears or Enters Area	The event is triggered by each object that enters the region of interest. This event can be used to count objects.
Object Not Present in Area	The event is triggered when no objects are present in the region of interest.
Objects Enter Area	The event is triggered when the specified number of objects have entered the region of interest.
Objects Leave Area	The event is triggered when the specified number of objects have left the region of interest.
Object Stops in Area	The event is triggered when an object moves into a region of interest and then stops moving for the specified threshold time.
Direction Violated	The event is triggered when an object moves in the prohibited direction of travel.
Smart Motion Rule	Events are sent for person (including crawling) and vehicle present, against default unchangeable parameters
Tamper Detection	The event is triggered when the scene unexpectedly changes.
Crowd Size	This event is triggered when the number of people is exceeded over a configurable duration.
Unusual Crowd Growth	This event is triggered when a crowd size grows unexpectedly.
Unusual Crowd Size	This event is triggered when an unusual crowd size is detected.

Analytics capabilities, including detection range, may vary by camera line. Please consult the Avigilon Self-Learning Video Analytics Design Guide for details

Supported Classified Object Types	
Object Types in Outdoor Mode	Vehicle, sub-types: Car, Truck, Bicycle, Motorcycle, Bus Person
Object Types in Indoor Mode	Person

Teach by Example	
Teach By Example	Yes, when used with Avigilon Control Center™ or Avigilon Unity Video

Supported Audio Analytics Events

Gunshot ¹	Up to 100 meters
Scream	Up to 15 meters
Glass Break	Up to 15 meters
Car Alarm	Up to 30 meters
Smoke Alarm	Up to 15 meters
Dog Bark	Up to 15 meters
Loud Noise	Up to 40 meters
Ultrasonic Panic Alarm ²	Up to 40 meters

¹ Optional add-on license required.

² The detection range is influenced by the quality and power of the device used to create the panic alarm.

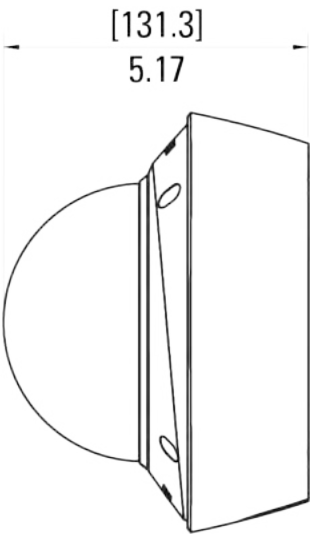
Avigilon Software Supported Features

Avigilon Unity Video 8.0 or higher	All supported analytic events with people and vehicles and all vehicle sub-types as classified objects. Appearance search when paired with appropriate server hardware. Unusual Activity Detection. H.265 supported. Audio analytics. Crowd analytics. Classified object privacy masking.
ACC Version 7.2 or higher	All supported analytic events with people and vehicles as classified objects. Appearance search when paired with appropriate server hardware. Unusual Activity Detection. H.265 supported.

Outline Dimensions

Dome Camera with Surface Mount

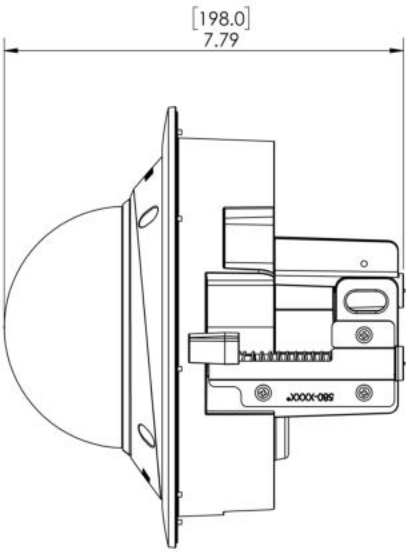
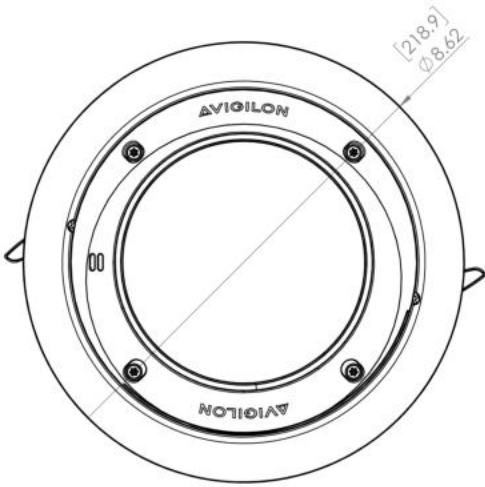
(H6A Dome camera + provided surface mount)



[X.X]	INCHES
X	MM

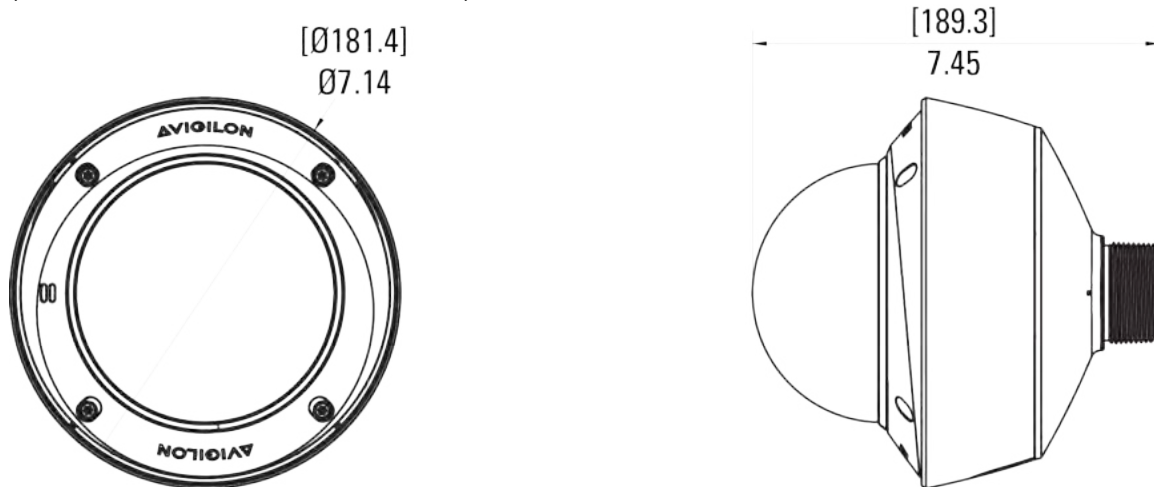
Dome Camera with In-Ceiling Mount

(H6A Dome camera + CLADP-1001)



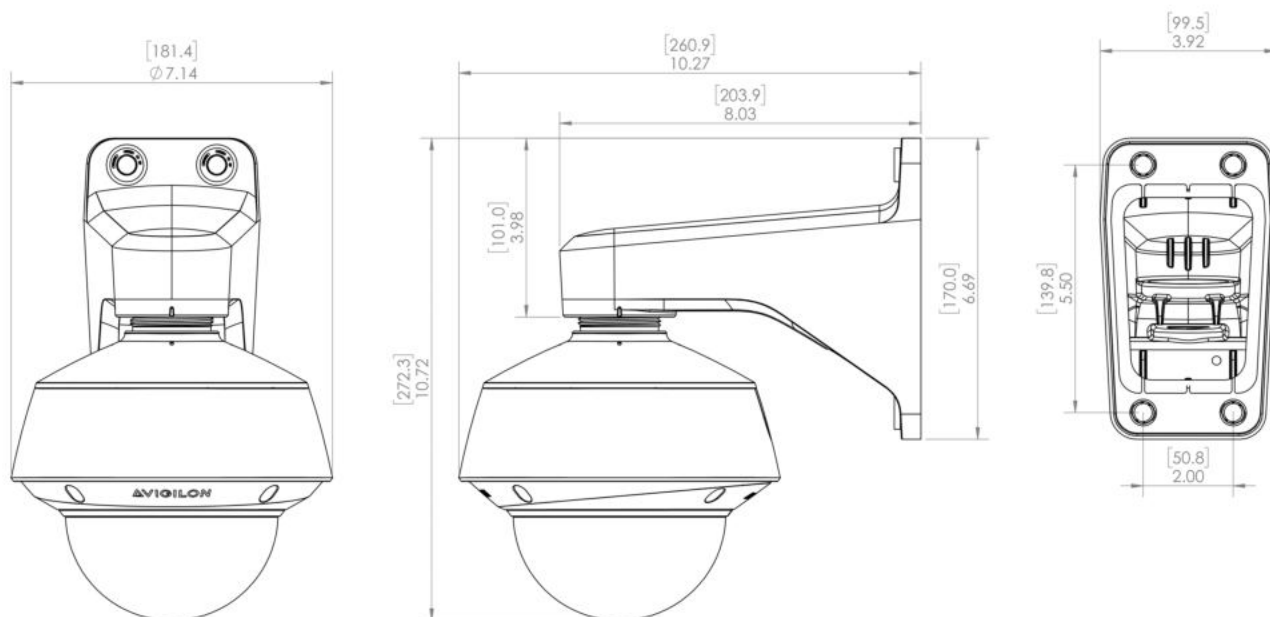
Dome Camera WITH NPT Adapter

(H6A Dome camera + H6A-MT-NPTA1)



Dome Camera WITH NPT Adapter and Pendant wall mount

(H6A Dome camera + H6A-MT-NPTA1 + WLMT-1021)



Ordering Information

Mounting Scenario		Ordering information
PENDANT WALL MOUNT		<p>Order one of:</p> <ul style="list-style-type: none"> Indoor or outdoor surface mount camera H6A-MT-NPTA1 WLMT-1021 <p>Optional:</p> <ul style="list-style-type: none"> PLMT-1001 (Pole mount adapter) CRNMT-1001 (Corner mount adapter)
PENDANT NPT MOUNT		<p>Order one of:</p> <ul style="list-style-type: none"> Indoor or outdoor surface mount camera H6A-MT-NPTA1
SURFACE MOUNT		<p>Order one of:</p> <ul style="list-style-type: none"> Indoor or outdoor surface mount camera <p>Optional:</p> <ul style="list-style-type: none"> DMSLD-1001 (weathershield)
IN-CEILING MOUNT		<p>Order one of:</p> <ul style="list-style-type: none"> Indoor or outdoor in-ceiling mount camera CLADP-1001 <p>Optional:</p> <ul style="list-style-type: none"> CLPNL-1011 (metal ceiling panel)

Outdoor Dome Camera

(H6A-DO)

	MP	WDR	Lightcatcher Technology	Lens	IR	Analytics	HDSM SmartCodec	Microphone	Seamless Failover
2.0C-H6A-DO1	2.0	✓	✓	2.8 - 12 mm		✓	✓	✓	
2.0C-H6A-DO2	2.0	✓	✓	10.9 - 29 mm		✓	✓	✓	
2.0C-H6A-DO1-IR	2.0	✓	✓	2.8 - 12 mm	✓	✓	✓	✓	
2.0C-H6A-DO2-IR	2.0	✓	✓	10.9 - 29 mm	✓	✓	✓	✓	
4.0C-H6A-DO1	4.0	✓	✓	4.4 - 9.3 mm		✓	✓	✓	
4.0C-H6A-DO2	4.0	✓	✓	10.9 - 29 mm		✓	✓	✓	
4.0C-H6A-DO1-IR	4.0	✓	✓	4.4 - 9.3 mm	✓	✓	✓	✓	
4.0C-H6A-DO2-IR	4.0	✓	✓	10.9 - 29 mm	✓	✓	✓	✓	
6.0C-H6A-DO1	6.0	✓	✓	4.4 - 9.3 mm		✓	✓	✓	
6.0C-H6A-DO2	6.0	✓	✓	10.9 - 29 mm		✓	✓	✓	
6.0C-H6A-DO1-IR	6.0	✓	✓	4.4 - 9.3 mm	✓	✓	✓	✓	
6.0C-H6A-DO2-IR	6.0	✓	✓	10.9 - 29 mm	✓	✓	✓	✓	
8.0C-H6A-DO1	8.0	✓	✓	4.4 - 9.3 mm		✓	✓	✓	
8.0C-H6A-DO2	8.0	✓	✓	10.9 - 29 mm		✓	✓	✓	
8.0C-H6A-DO1-IR	8.0	✓	✓	4.4 - 9.3 mm	✓	✓	✓	✓	
8.0C-H6A-DO2-IR	8.0	✓	✓	10.9 - 29 mm	✓	✓	✓	✓	

(H6X-DO)

	MP	WDR	Lightcatcher Technology	Lens	IR	Analytics	HDSM SmartCodec	Microphone	Seamless Failover
4.0C-H6X-DO1-IR	4.0	✓	✓	4.4 - 9.3 mm	✓	✓	✓		✓
4.0C-H6X-DO2-IR	4.0	✓	✓	10.9 - 29 mm	✓	✓	✓		✓
8.0C-H6X-DO1-IR	8.0	✓	✓	4.4 - 9.3 mm	✓	✓	✓		✓
8.0C-H6X-DO2-IR	8.0	✓	✓	10.9 - 29 mm	✓	✓	✓		✓

Indoor Dome Camera

(H6A-D)

	MP	WDR	Lightcatcher Technology	Lens	IR	Analytics	HDSM SmartCodec	Microphone	Seamless Failover
2.0C-H6A-D1	2.0	✓	✓	2.8 - 12 mm		✓	✓	✓	
2.0C-H6A-D2	2.0	✓	✓	10.9 - 29 mm		✓	✓	✓	
2.0C-H6A-D1-IR	2.0	✓	✓	2.8 - 12 mm	✓	✓	✓	✓	
2.0C-H6A-D2-IR	2.0	✓	✓	10.9 - 29 mm	✓	✓	✓	✓	
4.0C-H6A-D1	4.0	✓	✓	4.4 - 9.3 mm		✓	✓	✓	
4.0C-H6A-D2	4.0	✓	✓	10.9 - 29 mm		✓	✓	✓	
4.0C-H6A-D1-IR	4.0	✓	✓	4.4 - 9.3 mm	✓	✓	✓	✓	
4.0C-H6A-D2-IR	4.0	✓	✓	10.9 - 29 mm	✓	✓	✓	✓	
6.0C-H6A-D1	6.0	✓	✓	4.4 - 9.3 mm		✓	✓	✓	
6.0C-H6A-D2	6.0	✓	✓	10.9 - 29 mm		✓	✓	✓	
6.0C-H6A-D1-IR	6.0	✓	✓	4.4 - 9.3 mm	✓	✓	✓	✓	
6.0C-H6A-D2-IR	6.0	✓	✓	10.9 - 29 mm	✓	✓	✓	✓	
8.0C-H6A-D1	8.0	✓	✓	4.4 - 9.3 mm		✓	✓	✓	
8.0C-H6A-D2	8.0	✓	✓	10.9 - 29 mm		✓	✓	✓	
8.0C-H6A-D1-IR	8.0	✓	✓	4.4 - 9.3 mm	✓	✓	✓	✓	
8.0C-H6A-D2-IR	8.0	✓	✓	10.9 - 29 mm	✓	✓	✓	✓	

Dome Camera Accessories

H6A-MT-NPTA1	Pendant NPT adapter
WLMT-1021	Pendant wall arm, 1.5" NPT female, 20 cm (7.8") long
CLADP-1001	In-Ceiling adapter
CLPNL-1011	Metal ceiling panel for suspended ceiling installations
DMSLD-1001	Weathershield for dome cameras
DMBBL-1001	Replacement clear dome bubble
DMBBL-1011	Replacement IR dome bubble
DMSBL-1001	Optional smoked dome bubble, not compatible with the IR cameras
CBLKIT-1011	USB adapter cable, for use with USB-AC56 Wifi install kit
USB-AC56-NA-MSI	USB Wifi adapter install kit (North America)
USB-AC56-EU-MSI	USB Wifi adapter install kit (Europe)
GROM-1001	Camera sealing grommet, pack of 10
GROM-1011	Pipe sealing grommet, pack of 10
PLMT-1001	Pole mount adapter
CRNMT-1001	Corner mount adapter
CAM-AA-GUNSHOT	Avigilon Camera Gunshot Audio Analytics Channel, one per camera
CAM-AA-GUNSHOT-180D	Avigilon Camera Gunshot Audio Analytics Channel, 180 day demo license. Please contact Avigilon Technical Support.
CAM-FIPS	Camera license to enable FIPS cryptographic module.

Support

Learn more and find additional documentation at avigilon.com or email sales@avigilon.com for specific product support.



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sales@avigilon.com | avigilon.com

5TH GENERATION NETWORK VIDEO RECORDERS

6 TB

12 TB

16 TB

24 TB

32 TB

48 TB

64 TB

96 TB

128 TB

160 TB

192 TB

224 TB

252 TB

288 TB

360 TB

432 TB

The fifth-generation Avigilon Network Video Recorder (NVR5) delivers unparalleled, high-performance recording, throughput, data availability, and protection for your Avigilon video security system. Featuring the densest storage capacity Avigilon has to offer on a single NVR, security teams can scale up to petabytes of storage at a single location, with up to 432 TB in storage per NVR. All NVR models come optimized with RAID technology, hot-swappable drives, and up to five-year Avigilon warranty with dedicated support to increase system uptime and availability.



NVR5 PRM (252-432 TB)



NVR5 STD (16-64 TB) and
NVR5 PRM (96-224 TB)



NVR5 VAL (6-24 TB)

FEATURES



FLEXIBLE & SCALABLE TIER-1 STORAGE

NVR5 offers flexible configurations for security teams to cost-effectively scale up to 432 TB in tier 1 storage capacity and tailor it to their unique retention requirements.



HIGH DATA AVAILABILITY

Reliable storage with RAID-configured redundancy offers a highly available and resilient system that protects your data. All our VAL, STD & PRM models include reliable hard drives with RAID 5/6/60 redundancy to tolerate up to 1/2/4 hard drive failures.



LOWER DEPLOYMENT COSTS WITH QUICK & SIMPLE DEPLOYMENT WITH ACC PRE-CONFIGURED

The NVR5 comes pre-configured with ACC software for secure network video recording and management of Avigilon cameras up to 61 MP resolution.



INCREASE SYSTEM UPTIME & PRODUCTIVITY

Sites that have connected to the cloud and subscribed to advanced system health¹ can take advantage of system health monitoring to increase system availability, streamline maintenance time and minimize on-site service calls.



RESPOND FASTER WITH AI-POWERED ANALYTICS SUPPORT

Security teams can respond faster to critical events with the NVR5's seamless support for Avigilon Appearance Search, Facial Recognition, and LPR technologies.



RESOLVE TECHNICAL ISSUES EXPEDIENTLY WITH A SINGLE-POINT-OF-CONTACT

In addition to lifetime 24/7 Avigilon telephone technical support for the Avigilon End-to-End solution, five-year onsite parts and repair service is also included with 24/7 4-hour response SLA² for NVR5 PRM, or Next Business Day for NVR5 STD.



STRENGTHEN CYBERSECURITY

Designed with cybersecurity in mind, the NVR5 comes with a TPM 2.0 module built-in to support hardware Root of Trust authentication and data encryption.



EASY RECOVERY SOLUTION

Designed with a separate and redundant array of Solid-State Drives for the operating system (PRM and STD), with a built-in recovery partition to simplify the recovery process, if needed.

¹ On NVR5 PRM 252-432 TB, ACC 7.14.8 or later is required for full advanced system health functionality.

² NVR5 VAL includes a 3-year warranty. Warranty coverage and support Service Level Agreement is subject to end user's geographic location. Please refer to <https://www.avigilon.com/support/warranty/avigilon> for more information.

ANALYTICS AND SPECIFICATIONS



AVIGILON APPEARANCE SEARCH™

Quickly locates a specific person or vehicle of interest across an entire site using a sophisticated deep learning AI search engine.
ACC Enterprise required.



FACIAL RECOGNITION

Detects matches from managed watchlists to alert operators of people of interest. Requires Appearance Search and an additional license.
ACC7-FACE license required



LICENSE PLATE RECOGNITION (LPR)

Significant improvements² in LPR performance compared to the previous generations of NVRs. Works with ACC software for accurate license plate capture at a range of distances and speeds. Requires an additional license.
ACC7-LPR license per channel required.



ACC™ VIDEO MANAGEMENT SOFTWARE

Pre-installed and pre-configured solution for managing multi-megapixel digital IP and analog cameras.

MODEL	ACCESSORY KIT	MAXIMUM SUPPORTED CAMERAS BY FEATURE ¹		NUMBER OF LPR LANES ²			
		APPEARANCE SEARCH ONLY ³	FACE RECOGNITION + APPEARANCE SEARCH ³	5 FPS (<16 KM/H)	10 FPS (<48 KM/H)	20 FPS (<100 KM/H)	30 FPS (<150 KM/H)
NVR5 PRM (252 288 360 432 TB)	—	200	50	20	10	5	3
	2 × NVR5-RAM-16GB-B			20	10	5	3
NVR5 PRM (192 224 TB)	—			18	9	4	3
	1 × NVR5-PRM-2NDCPU			24	12	6	4
NVR5 PRM (96 128 160 TB)	—			15	7	3	2
	2 × NVR5-RAM-16GB-A			20	10	5	3
NVR5 STD (16 24 32 48 64 TB)	—			12	6	3	2
	1 × NVR5-RAM-16GB-A			15	7	3	2
NVR5 VAL (6 12 16 24 TB)	—	—	—	15	7	3	2
	1 × NVR5-VAL-ANK	46	31 ⁴	15	7	3	2
	1 × NVR5-VAL-ANK-PLUS	46	46	15	7	3	2

¹ These performance figures are based on validation testing by Avigilon. Assumes appliance-wide average per camera rates of classified objects leaving field of view:

- H5A Cameras - One every second;
- H4A Cameras - One every two seconds.

Additional licenses may be required. For more information, contact Avigilon Sales.

² Assumes a 3 MP camera with 1 MP license plate scan area and Frames Per Second (FPS) to recognize license plates up to vehicle speeds in Kilometers Per Hour (KM/H). Results may vary according to camera mounting parameters. ACC 7.14.10 or later is required.

³ Requires H5A or H4A cameras. The Avigilon Appearance Search camera support limit does not affect any NVR throughputs for simultaneous recording, playback and live streaming.

⁴ Requires ACC 7.14.20 or later.

SYSTEM		NVR5 PRM (252-432 TB)	NVR5 PRM (192-224 TB)	NVR5 PRM (96-160 TB)	NVR5 STD (16-64 TB)	NVR5 VAL (6-24 TB)
Capacity		252, 288, 360 or 432 TB	192 or 224 TB	96, 128 or 160 TB	16, 24, 32, 48 or 64 TB	6, 12, 16 or 24 TB
Avigilon Control Center™ Edition		Core, Standard and Enterprise compatible				
Video Streaming Performance (10 GbE - Multiple Connections)	Recording Rate:	Up to 1500 Mbps	Up to 1500 Mbps	Up to 1500 Mbps	Up to 800 Mbps ¹	N/A
	Playback Rate:	Up to 600 Mbps ²	Up to 600 Mbps ²	Up to 600 Mbps ²	Up to 600 Mbps	N/A
Video Streaming Performance (1 GbE - Multiple Connections)	Recording Rate:	Up to 800 Mbps	Up to 800 Mbps	Up to 700 Mbps	Up to 700 Mbps ³	Up to 300 Mbps
	Playback Rate:	Up to 800 Mbps	Up to 600 Mbps	Up to 600 Mbps	Up to 600 Mbps	Up to 128 Mbps (6/12/24 TB) Up to 100 Mbps (16 TB)
Operating System		Windows Server 2019 LTSC - 16 core			Windows 10 IoT Enterprise 1809 LTSC, or Windows Server 2019 LTSC - 16 core	Windows 10 IoT Enterprise 21H2 LTSC. Windows Server 2019 LTSC upgrade kit available
Hard Disk Drive Configuration	Video Data:	RAID 60 Up to 28 × 3.5", hot-swappable	RAID 60 Up to 18 × 3.5", hot-swappable	RAID 6 Up to 12 × 3.5", hot-swappable	RAID 6 Up to 10 × 3.5", hot-swappable	RAID 5 Up to 4 × 3.5", hot-swappable
	Operating System:	2 × 480 GB M.2 SSD Drives, RAID 1	2 × 240 GB M.2 SSD Drives, RAID 1			Video Data and OS hosted on separated Virtual Disks
Recording Storage Capacity		Up to 504 TB raw; 432 TB effective (RAID 60)	Up to 288 TB raw; 224 TB effective (RAID 60)	Up to 192 TB raw; 160 TB effective (RAID 6)	Up to 80 TB raw; 64 TB effective (RAID 6)	Up to 32 TB raw, 24 TB effective (RAID 5)
Network Interface		2 × 10 GbE SFP+ ports ⁴ 4 × 1 GbE RJ-45 ports	4 × 10 GbE SFP+ ports ⁴ 4 × 1 GbE RJ-45 ports	2 × 10 GbE SFP+ ports ⁴ (optional for NVR5 STD) 6 × 1 GbE RJ-45 ports		2 × 1 GbE RJ-45 ports
Memory		8 × 8 GB DDR4	6 × 8 GB DDR4	4 × 8 GB DDR4	2 × 8 GB DDR4	2 × 8 GB
Processor		2 × Intel® 8-core Xeon®	1 × Intel® 16-core Xeon®	2 × Intel® 8-core Xeon®	1 × Intel® 8-core Xeon®	1 × Intel® 6-core Xeon®
Video Outputs		1 × VGA				
Appearance Search and Facial Recognition on Avigilon Analytic Cameras		Included				Not included, optional analytics kit sold separately
License Plate Recognition Support		Included				
Local Viewing		No				
Out-of-band Management		iLO Advanced	iDRAC 9 Enterprise			iDRAC 9 Express
Warranty		5-year 4-hour mission critical warranty with onsite parts delivery service.			5-year NBD (Next Business Day) with onsite parts delivery service. 4-hour mission critical warranty upgrade available.	3-year NBD (Next Business Day). 2-year extension, 4-hour mission critical, and 5-year keep your drive warranty upgrades available

¹ The maximum recording throughput for STD can be increased to 1100 Mbps by adding a 2nd CPU kit and a 10 GbE Network Card. Additional power is required in order to enable the 2nd CPU kit in the NVR5 Standard systems. To achieve this, replace the 800W PSU with an 1100W PSU (NVR5-PSU-1100W-A1), add a second 800W PSU (NVR5-PSU-800W) and disable PSU redundancy support, or replace the 800W PSU with two 1100W PSUs (NVR5-PSU-1100W-A1) and enable PSU redundancy support.

² The max playback throughput for PRM can be increased by reducing the recording throughput.

³ The max recording throughput for STD can be increased to 800 Mbps. Requires the use of multiple 1GbE ports in a team using LACP/ALB mode.

⁴ Direct Attach Cables (NVR5-SFPPLUS-DA for all NVR5 models) or system-specific SFP+ transceivers (NVR5-SFPPLUS-SR-A for NVR5 16-224 TB, NVR5-SFPPLUS-SR-B for NVR5 >= 252 TB) sold separately.

MECHANICAL	NVR5 PRM (252-432 TB)	NVR5 PRM (192-224 TB)	NVR5 PRM (96-160 TB)	NVR5 STD (16-64 TB)	NVR5 VAL (6-24 TB)
Form Factor	2U Rack Mount Chassis				1U Rack Mount Chassis
Dimensions (L x W x H)	872.0 mm × 479.0 mm × 87.5 mm 34.33" × 18.86" × 3.44"	751.3 mm × 482.0 mm × 86.8 mm 29.58" × 18.98" × 3.42"	721.6 mm × 482.0 mm × 86.8 mm 28.4" × 18.98" × 3.42"		598.6 mm × 482.0 mm × 42.8 mm 23.56" × 18.97" × 1.68"
Weight	252 TB: 48 kg (107 lbs) 288 TB: 50 kg (110 lbs) 360 TB: 53 kg (116 lbs) 432 TB: 55 kg (122 lbs)	192 TB: 32 kg (70 lbs) 224 TB: 33 kg (73 lbs)	96 TB: 27 kg (60 lbs) 128 TB: 27 kg (60 lbs) 160 TB: 29 kg (63 lbs)	16 TB: 24 kg (54 lbs) 24 TB: 26 kg (57 lbs) 32 TB: 24 kg (54 lbs) 48 TB: 26 kg (57 lbs) 64 TB: 27 kg (60 lbs)	24 TB: 12.5 kg (27.5 lbs)

ELECTRICAL	NVR5 PRM (252-432 TB)	NVR5 PRM (192-224 TB)	NVR5 PRM (96-160 TB)	NVR5 STD (16-64 TB)	NVR5 VAL (6-24 TB)
Power Input	100 to 240 VAC, 50/60 Hz, auto-switching				
Power Supply	Dual (1+1) 1000 W redundant	Dual (1+1) 1100 W	2 × 1100 W Mixed Mode	800 W Mixed Mode	Single 450 W (80 PLUS Platinum), non-hot-swappable and non-redundant only
Power Consumption	Maximum 580 W (1978 BTU/h)	Maximum 803 W (2740 BTU/h)	Maximum 789 W (2691 BTU/h)	Maximum 604 W (2061 BTU/h)	Maximum 450 W (1725 BTU/h)
Power Efficiency	Titanium			Platinum	

ENVIRONMENTAL	NVR5 PRM (252-432 TB)	NVR5 PRM (192-224 TB)	NVR5 PRM (96-160 TB)	NVR5 STD (16-64 TB)	NVR5 VAL (6-24 TB)
Operating Temperature	10°C to 35°C (50°F to 95°F)				
Storage Temperature	-30°C to 60°C (-22°F to 140°F)	-40°C to 65°C (-40°F to 149°F)			
Operating Humidity	8% to 90% relative humidity with 28°C (82.4°F) max dew point	10% to 80% relative humidity with 29°C (84.2°F) max dew point	8% to 95% relative humidity with 27°C (80.6°F) max dew point		8% to 80% relative humidity with 21°C (69.8°F) max dew point
Storage Humidity	5% to 95% RH with 38.7°C (101.7°F) max dew point. Atmosphere must be non-condensing at all times.	5% to 95% RH with 33°C (91°F) max dew point. Atmosphere must be non-condensing at all times.	5% to 95% RH with 27°C (80.6°F) max dew point. Atmosphere must be non-condensing at all times.		5% to 95% RH with 27°C (80.6°F) maximum dew point. Atmosphere must be non-condensing at all times.
Operating Vibration	0.15 Grms at 10 Hz to 300 Hz	0.26 Grms at 5 Hz to 350 Hz	0.21 Grms at 5 Hz to 500 Hz		0.21 Grms at 5 Hz to 500 Hz for 10 minutes
Storage Vibration	0.5 Grms at 10 Hz to 500 Hz	1.88 Grms at 10 Hz to 500 Hz			
Operating Shock	2 G	6 G			
Storage Shock	15 G	71 G			
Operating Altitude	3,050 m (10,000 ft)	3,048 m (10,000 ft)			
Storage Altitude	9,144 m (30,000 ft)	12,000 m (39,370 ft)			

CERTIFICATIONS	NVR5 PRM (252-432 TB)	NVR5 PRM (192-224 TB)	NVR5 PRM (96-160 TB)	NVR5 STD (16-64 TB)	NVR5 VAL (6-24 TB)
Certifications/Directives	UL, cUL, CE, RCM, BSMI, EAC, KC, NRCS, VCCI, RoHS, WEEE	UL, cUL, CE, LOT9, NRCS, NOM, RCM, EAC, VCCI, BSMI, CCC (STD only), KC, BIS, UKCA			UL, cUL, CE, RCM, UKCA, NOM, BSMI, CCC, KC, NRCS, VCCI
Safety	UL/CSA/EN/IEC 62368-1	UL/CSA/IEC/EN 62368-1:2014 (2nd ed)			UL/CSA/IEC/EN 62368-1 (3rd ed) EN IEC 62368-1:2020 _A11:2020
Electromagnetic Emissions	CFR Title 47, FCC Part 2, 15 Class A, ICES-003(A), EN 55032 Class A, EN 61000-3-2, EN 61000-3-3	FCC Title 47 CFR Part 15, Canadian ICES-003(A) Issue 7, EN 55032:2015/CISPR 32:2015, EN 61000-3-2:2014/IEC 61000-3-2:2014, EN 61000-3-3:2013/IEC 61000-3-3:2013			FCC Title 47 CFR Part 15, ICES-003 (A) Issue 7, EN 55032:2015 +A11:2020/CISPR 32:2015 +A1:2019, EN 61000-3-2:2014/IEC 61000-3-2:2014, EN 61000-3-3:2013/IEC 61000-3-3:2013
Electromagnetic Immunity	EN 55024	EN 55024:2010 +A1:2015/CISPR 24:2010 +A1:2015 or EN 55035:2017			EN 55035:2017 +A11:2020/CISPR 35:2016

SUPPLIED ACCESSORIES	NVR5 PRM (252-432 TB)	NVR5 PRM (192-224 TB)	NVR5 PRM (96-160 TB)	NVR5 STD (16-64 TB)	NVR5 VAL (6-24 TB)
Rack Rail System	Sliding rail system with cable management arm ¹	ReadyRails Sliding Rails with Cable Management Arm			ReadyRails 1U/2U Static Rails for 2- or 4-post racks
Bezel	1, front				
Power Cords	4 total: 2 × C13 / C14, 2 × country variants (from options below)			2 total: 1 × C13 / C14, 1 × country variant (from options below)	1 total: 1 × C13, country variant (from options below)

¹ Supports tool-less mounting in 19"-wide EIA-310-E compliant square hole, unthreaded round-hole 4-post racks, and threaded hole 4-post racks

(NA) NEMA 5-15P / C13



(UK) BS1363 / C13



(EU) SCHUKO / C13



(AU) AS3112 / C13



OUTLINE DIMENSIONS

[X.X]	INCHES
X	MM

NVR5 PRM (252 288 360 432 TB)

FORM FACTOR

2U rack mount chassis

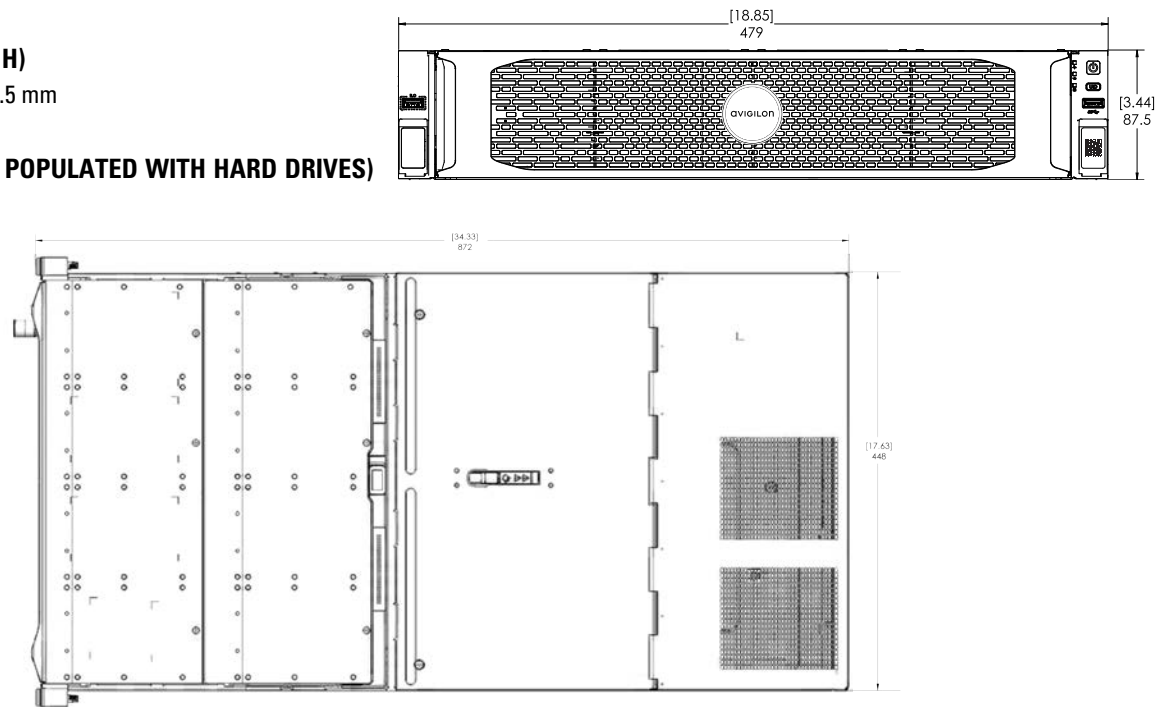
DIMENSIONS (L x W x H)

872.0 mm x 479.0 mm x 87.5 mm

34.33" x 18.86" x 3.44"

WEIGHT (WHEN FULLY POPULATED WITH HARD DRIVES)

55 kg [122 lbs]



NVR5 PRM (192 224 TB)

FORM FACTOR

2U rack mount chassis

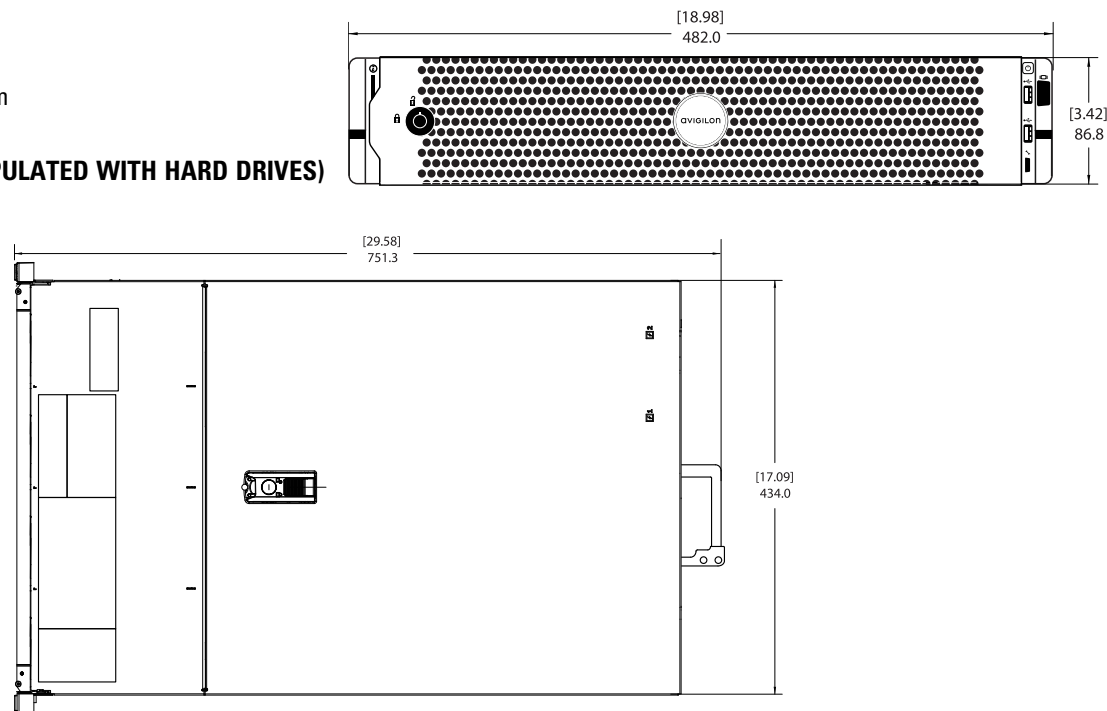
DIMENSIONS (L x W x H)

751.3 mm x 482.0 mm x 86.8 mm

29.58" x 18.98" x 3.42"

WEIGHT (WHEN FULLY POPULATED WITH HARD DRIVES)

33.1 kg [72.91 lbs]



NVR5 STD (16 24 32 48 64 TB) & NVR5 PRM (96 128 160 TB)

FORM FACTOR

2U rack mount chassis

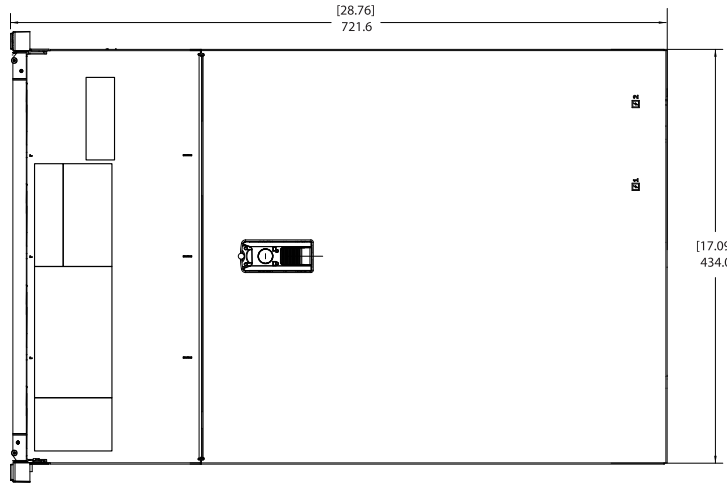
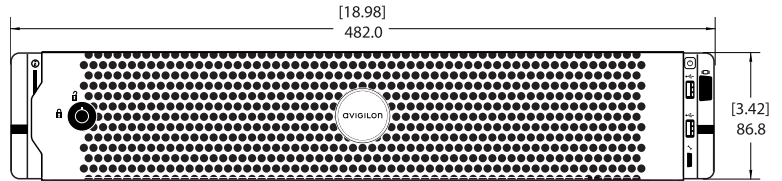
DIMENSIONS (L × W × H)

721.6 mm × 482.0 mm × 86.8 mm

28.4" × 18.98" × 3.42"

WEIGHT (WHEN FULLY POPULATED WITH HARD DRIVES)

28.76 kg [63.40 lbs]



NVR5 VAL (6 12 16 24 TB)

FORM FACTOR

1U rack mount chassis

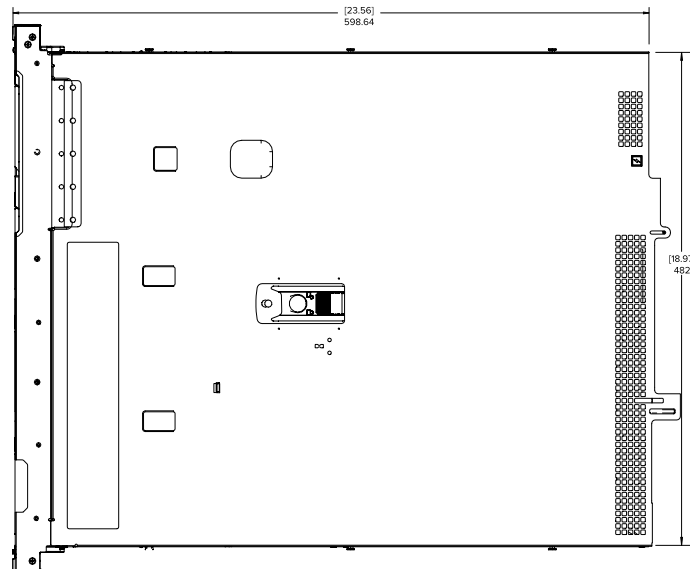
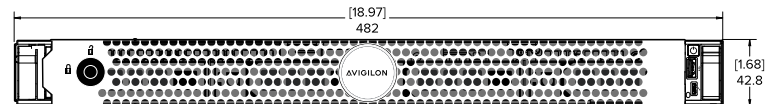
DIMENSIONS (L × W × H)

598.6 mm × 482.0 mm × 42.8 mm

23.56" × 18.97" × 1.68"

WEIGHT (WHEN FULLY POPULATED WITH HARD DRIVES)

12.5 kg [27.5 lbs]



ORDERING INFORMATION

NVR5	
NVR5-VAL-6TB	6 TB (8 TB Raw) NVR5 Value with Microsoft Windows 10 Enterprise 21H2 LTSC and Avigilon Control Center, 3 Year Next Business Day Warranty
NVR5-VAL-12TB	12 TB (16 TB Raw) NVR5 Value with Microsoft Windows 10 Enterprise 21H2 LTSC and Avigilon Control Center, 3 Year Next Business Day Warranty
NVR5-VAL-16TB	16 TB (24 TB Raw) NVR5 Value with Microsoft Windows 10 Enterprise 21H2 LTSC and Avigilon Control Center, 3 Year Next Business Day Warranty
NVR5-VAL-24TB	24 TB (32 TB Raw) NVR5 Value with Microsoft Windows 10 Enterprise 21H2 LTSC and Avigilon Control Center, 3 Year Next Business Day Warranty
NVR5-STD-16TB-W10	16 TB (24 TB Raw) NVR5 Standard with Microsoft Windows 10 v1809 LTSC and Avigilon Control Center
NVR5-STD-16TB-S19	16 TB (24 TB Raw) NVR5 Standard with Microsoft Windows Server 2019 LTSC and Avigilon Control Center
NVR5-STD-24TB-W10	24 TB (32 TB Raw) NVR5 Standard with Microsoft Windows 10 v1809 LTSC and Avigilon Control Center
NVR5-STD-24TB-S19	24 TB (32 TB Raw) NVR5 Standard with Microsoft Windows Server 2019 LTSC and Avigilon Control Center
NVR5-STD-32TB-W10	32 TB (48 TB Raw) NVR5 Standard with Microsoft Windows 10 v1809 LTSC and Avigilon Control Center
NVR5-STD-32TB-S19	32 TB (48 TB Raw) NVR5 Standard with Microsoft Windows Server 2019 LTSC and Avigilon Control Center
NVR5-STD-48TB-W10	48 TB (64 TB Raw) NVR5 Standard with Microsoft Windows 10 v1809 LTSC and Avigilon Control Center
NVR5-STD-48TB-S19	48 TB (64 TB Raw) NVR5 Standard with Microsoft Windows Server 2019 LTSC and Avigilon Control Center
NVR5-STD-64TB-W10	64 TB (80 TB Raw) NVR5 Standard with Microsoft Windows 10 v1809 LTSC and Avigilon Control Center
NVR5-STD-64TB-S19	64 TB (80 TB Raw) NVR5 Standard with Microsoft Windows Server 2019 LTSC and Avigilon Control Center
NVR5-PRM-96TB-S19	96 TB (120 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center
NVR5-PRM-128TB-S19	128 TB (160 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center
NVR5-PRM-160TB-S19	160 TB (192 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center
NVR5-PRM-192TB-S19	192 TB (256 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center
NVR5-PRM-224TB-S19	224 TB (288 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center
NVR5-PRM-252TB-S19	252 TB (324 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center
NVR5-PRM-288TB-S19	288 TB (360 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center
NVR5-PRM-360TB-S19	360 TB (432 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center
NVR5-PRM-432TB-S19	432 TB (504 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center
Avigilon Control Center licenses must be purchased separately. Avigilon Appearance Search and facial recognition requires Enterprise version of the ACC software.	

ACCESSORIES (NVR5 PRM 252-432 TB)	
NVR5-SFPPLUS-DA	3 m (10 ft) SFP+ 10 GbE Twinax Direct Attach cable
HD-NVR4-SFPPLUS-DA	3 m (10 ft) SFP+ 10 GbE Twinax Direct Attach cable
NVR5-SFPPLUS-SR-B	SFP+ Transceivers for Short Range (Multi-mode) on server side, NVR5 >= 252 TB
NVR5-SFPPLUS-LR-B	SFP+ Transceivers for Long Range (Single-mode) between SAN switches, NVR5 >= 252 TB
NVR5-10GBASET-B	Network Card, QP 10 G-Base-T NVR5 PRM >= 252 TB
NVR5-RAM-16GB-B	RAM Upgrade Kit for 1 CPU Processor Only, 2 x 8 GB DDR4 3200 MT/s DIMMs, NVR5 PRM >= 252 TB
NVR5-PSU-1000W	1000 W Flex Slot Titanium Hot Plug/Swappable Power Supply Kit, NVR5 PRM >= 252 TB
NVR5-HDDS-INT-18TB	Spare hard drive, 18 TB, internal bay, compatible with NVR5 PRM >= 252 TB
NVR5-HDDS-HOT-18TB	Spare hard drive, 18 TB, front/rear bay, compatible with NVR5 PRM >= 252 TB
AVA-HED1-NVR5-CONNECT-B	AVA Connectivity Kit for Direct Attachment of a NVR5 PRM >= 252 TB
AVA-SAN-CONNECT-1	AVA Head Unit Connectivity Kit, includes 1 x transceiver and fiber optic cable for SAN networking

ACCESSORIES (NVR5 PRM 252-432 TB)

AVA-SAN-CONNECT-8	AVA Head Unit Connectivity Kit, includes 8 × transceivers and fiber optic cables for SAN networking with two network switches
NVR5-AVA-SAN-CONNECT-B	Connectivity Kit for AVA SAN networking, compatible with NVR5 PRM >= 252 TB (excluding AVA Transceiver and Fiber Optic Cables included in AVA-HED1-NVR5-CONNECT-B)
NVR-KYD-WARR-5YR-B	5-year Keep-Your-Drive Warranty Upgrade for NVR5 PRM >= 252 TB

ACCESSORIES (NVR5 STD/PRM 16-224 TB)

NVR5-SFPPLUS-DA	3 m (10 ft) SFP+ 10 GbE Twinax Direct Attach cable
HD-NVR4-SFPPLUS-DA	3 m (10 ft) SFP+ 10 GbE Twinax Direct Attach cable
NVR4X-SFPPLUS-SR	SFP+ Transceivers for Short Range (Multi-mode) on server side
NVR5-SFPPLUS-SR-A	SFP+ Transceivers for Short Range (Multi-mode) on server side, NVR5 16-224 TB
NVR5-SFPPLUS-LR-A	SFP+ Transceivers for Long Range (Single-mode) between SAN switches, NVR5 16-224 TB
NVR5-STD-10GBE	Network Card, DP 10 GbE SFP+ NVR5 STD 16-64 TB
NVR5-10GBASET-A1	Network Card, QP 10 G-Base-T NVR5 STD/PRM 16-160 TB (excluding 2nd CPU for NVR5 STD)
NVR5-10GBASET-A2	Network Card, QP 10 G-Base-T NVR5 PRM 192-224 TB
NVR5-RAM-16GB-A	RAM Upgrade Kit for 1 CPU Processor Only, 2 × 8 GB DDR4 3200 MT/s DIMMs, NVR5 STD/PRM 16-224 TB
NVR5-STD-2NDCPU1	2nd CPU Upgrade Kit, 2 × 8 GB DDR4 3200 MT/s DIMMs, NVR5 STD 16-64 TB
NVR5-PRM-2NDCPU	2nd CPU Upgrade Kit, 6 × 8 GB DDR4 3200 MT/s DIMMs, NVR5 PRM 192-224 TB
NVR5-PSU-800W	800 W Hot Plug/Swappable Power Supply Kit, NVR5 STD 16-64 TB
NVR5-PSU-1100W-A1	1100 W Hot Plug/Swappable Power Supply Kit, NVR5 STD 16-64 TB and NVR5 PRM 96-160 TB
NVR5-PSU-1100W-A2	1100 W Hot Plug/Swappable Power Supply Kit, NVR5 PRM 192-224 TB
NVR5-HDD-HOT-4TB	Spare hard drive, 4 TB, front/rear bay, compatible with NVR5 STD 16-24 TB
NVR5-HDD-HOT-8TB	Spare hard drive, 8 TB, front/rear bay, compatible with NVR5 STD 32-64 TB
NVR5-HDDS-HOT-12TB	Spare hard drive, 12 TB, front/rear bay, compatible with NVR PRM 96 TB
NVR5-HDDS-INT-16TB	Spare hard drive, 16 TB, internal bay, compatible with NVR5 PRM 192-224 TB
NVR5-HDDS-HOT-16TB-A1	Spare hard drive, 16 TB, front/rear bay, compatible with NVR5 PRM 128-160 TB
NVR5-HDDS-HOT-16TB-A2	Spare hard drive, 16 TB, front/rear bay, compatible with NVR5 PRM 192-224 TB
AVA-HED1-NVR5-CONNECT-A	AVA Connectivity Kit for Direct Attachment of a NVR5 STD/PRM <= 224 TB (excluding 2nd CPU for NVR5 STD)
AVA-SAN-CONNECT-1	AVA Head Unit Connectivity Kit, includes 1 × transceiver and fiber optic cable for SAN networking
AVA-SAN-CONNECT-8	AVA Head Unit Connectivity Kit, includes 8 × transceivers and fiber optic cables for SAN networking with two network switches
NVR5-AVA-SAN-CONNECT-A	Connectivity Kit for AVA SAN networking, compatible with NVR5 STD/PRM <= 224 TB (excluding 2nd CPU for NVR5 STD as well as AVA Transceiver and Fiber Optic Cables included in AVA-HED1-NVR5-CONNECT-A)
NVR5-S19-UPG	Windows Server 2019 Upgrade Kit for NVR5 STD/VAL
NVR-KYD-WARR-5YR-A	5-year Keep-Your-Drive Warranty Upgrade for NVR5 STD/PRM 16-224 TB
NVR5-STD-WARR-5Y4HMC	5-year 4-Hour-Mission-Critical Warranty Upgrade for NVR5 STD 16-64 TB

¹ Additional power is required in order to enable the 2nd CPU kit in the NVR5 Standard systems. To achieve this, replace the 800W PSU with an 1100W PSU (NVR5-PSU-1100W-A1), add a second 800W PSU (NVR5-PSU-800W) and disable PSU redundancy support, or replace the 800W PSU with two 1100W PSUs (NVR5-PSU-1100W-A1) and enable PSU redundancy support.

ACCESSORIES (NVR5 VAL)

NVR5-VAL-ANK	Analytics Kit for NVR5 VAL
NVR5-VAL-ANK-PLUS	Analytics Plus Kit for NVR5 VAL
NVR5-HDD-HOT-2TB	Spare hard drive, 2 TB, front/rear bay, compatible with NVR5 VAL 6 TB
NVR5-HDD-HOT-4TB	Spare hard drive, 4 TB, front/rear bay, compatible with NVR5 VAL 12 TB

ACCESSORIES (NVR5 VAL)	
NVR5-HDD-HOT-8TB	Spare hard drive, 8 TB, front/rear bay, compatible with NVR5 VAL 16/24 TB
NVR5-S19-UPG	Windows Server 2019 Upgrade Kit for NVR5 STD/VAL
NVR5-VAL-WARR-5Y4HMC	5-year 4-Hour-Mission-Critical Warranty Upgrade for NVR5 VAL. Must be purchased together with NVR5-VAL-WARR-EXTEND-2YR.
NVR5-VAL-WARR-EXTEND-2YR	2-year Warranty Extension for NVR5 VAL
NVR5-VAL-KYD-WARR-5YR	5-year Keep-Your-Drive Warranty Upgrade for NVR5 VAL
NVR5-VAL-IDRAC9-ENT-UPG	iDRAC Enterprise upgrade

SUPPORT

Learn more and find additional documentation at [avigilon.com](https://www.avigilon.com) or email sales@avigilon.com for specific product support.



AVIGILON™

Jun 2023 | Rev 4

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Deploying Avigilon Solutions: A Guide to Networking Best Practices

This document is intended to provide recommended networking architecture for optimum system performance when deploying Avigilon's video solutions. The networking topologies outlined in this guide cover many of the typical Network Video Recorder, AI NVR, and Avigilon AI Appliance deployments and offer guidance to optimize your video surveillance system.

<i>AI NVR Value</i>	2
<i>AI NVR Standard</i>	6
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<i>NIC Teaming Overview</i>	35

AI NVR Value

AI NVR Value brings together a high performance NVR and AI Appliance in a small 1U form factor. This budget-friendly AI NVR includes two 1 GbE network ports that can take in up to 900 Mbps of recording throughput on a single port. Additionally, the AI NVR Value supports running server-side Classified Object Detection, Avigilon Appearance Search, and Face Recognition on up to 5 non-analytic cameras, or can support Avigilon Appearance Search and Face Recognition on up to 50 H5A cameras.

The AI NVR Value is available with the Avigilon Hardened OS.

Network Architectures

- Avoid cascading switches as this will reduce fault tolerance and may create network bottlenecks.
- Having multiple switches on a critical path increases the chances that a single switch failure can sever the connection to a large group of cameras.

Network Environment

NIC Teaming Enabled (recommended)

- Since the AI NVR Value only has two network ports, if NIC teaming is used, you will no longer be able to separate recording and playback traffic with IP subnets .
- The network configuration is completed using the NIC teaming settings on the AI NVR Value instead of configuring any of the AI NVR Value network ports individually.

NIC Teaming Disabled

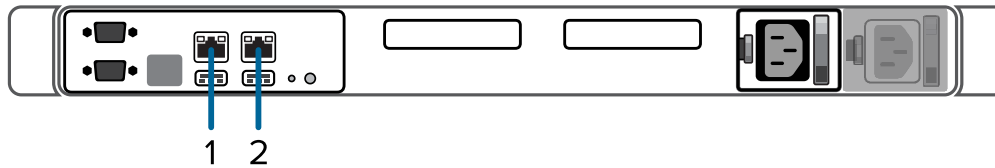
- Keep incoming (recording) traffic and outgoing (client) traffic isolated on different networks using different IP subnets or VLANs.
- Every network port used on the AI NVR Value must be configured into unique IP subnets.
- Only one network port on the AI NVR Value (typically the client network port) must be configured with a default gateway IP address. The remaining network ports must only be configured with the IP address and subnet mask.

The following table shows the recommended number of network interfaces for a given recording and client throughput.

Recording Network Interfaces Required	Client Network Interfaces Required	Recording Throughput	Client Recorded Playback Throughput (Or Live Throughput)
One 1 GbE	One 1 GbE	Up to 900 Mbps	Up to 800 Mbps

Network Interface Connections

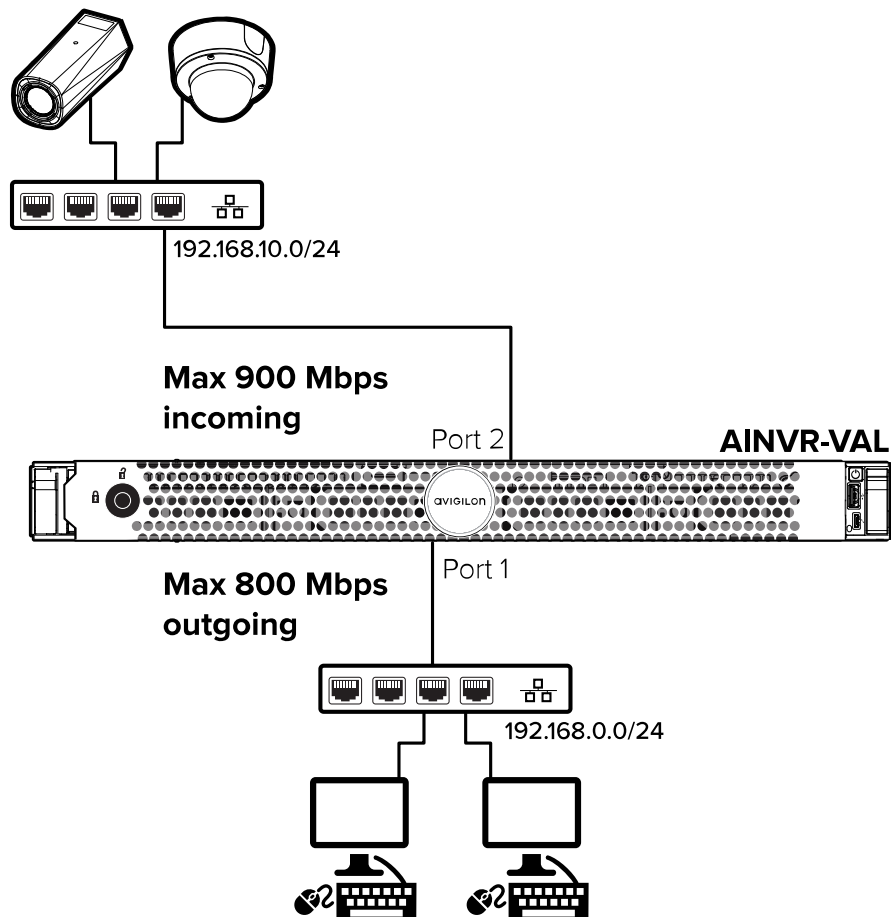
- Either port one or two can be used for incoming or outgoing traffic.



Sample Network Topologies

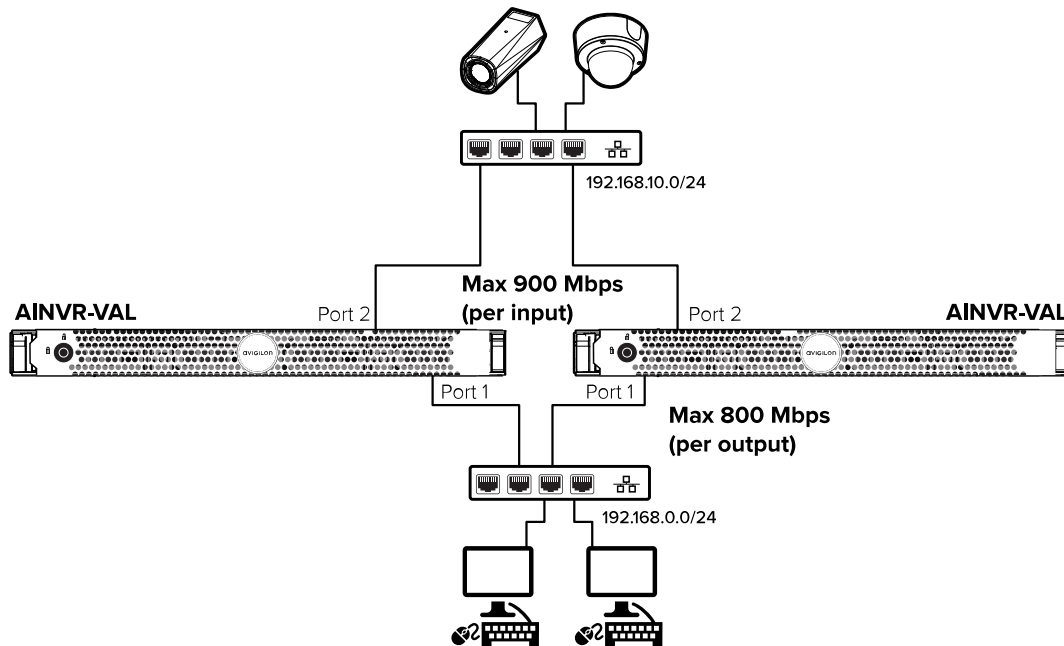
Network Topology with 1 AI NVR Value

Suitable for sites with less than 900 Mbps of recording throughput. This is a simple deployment, but it does not provide any network redundancy.



Network Topology with Multiple AI NVR Value

Suitable for deployments that require network redundancy. Connecting multiple AI NVRs (n AI NVRs) through the same IP subnets will ensure that cameras will continue to record in the event that a single AI NVR fails. Primary and secondary AI NVRs can be set up for each camera from within the ACC system. When deploying this solution, ensure that $1/n$ of each AI NVR's throughput is available to take over traffic from cameras that have been disconnected from their primary AI NVR.



NIC Teaming on AI NVR Value

Note: Coming soon with ACC 7.12.4.

To further increase network resilience, it is recommended to use NIC teaming. The AI NVR Value supports three types of NIC teaming: Active Backup, Dynamic Link Aggregation (IEEE 802.3ad), and Adaptive Load Balancing.

Tip: Since the AI NVR Value only has two network ports, if NIC teaming is used, you will no longer be able to separate recording and playback traffic with IP subnets.

Active Backup

In this mode, one of the two network ports are designated as the primary port, and the other is set as the backup port. While the primary network port is functioning properly, the backup port will not be used. In the event that the primary network port fails, the backup network port will take over. Both network ports work as unique virtual network interfaces with a single mac address visible to other network devices.

Dynamic Link Aggregation (IEEE 802.3ad)

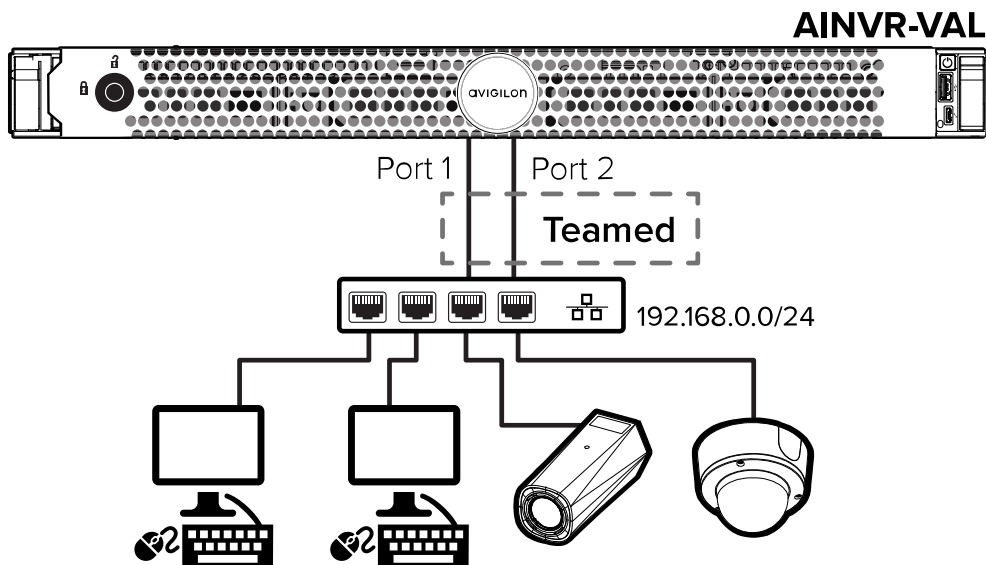
In this mode, the bandwidth of both network ports will be aggregated into a single 2 Gb/s connection. Both network ports will be utilized simultaneously in this mode and all devices using the teamed ports will operate at the same speed and duplex. If one network port were to fail, then all traffic will be forced through the remaining network port and your bandwidth will be reduced to 1 Gb/s.

Note: This mode requires a switch that can support IEEE 802.3ad Dynamic Link Aggregation, and will require some setup on that switch.

Adaptive Load Balancing

In this mode, both network ports will be used as separate 1 Gb/s connections, but the AI NVR Value will attempt to dynamically load balance the transmitted and received traffic that passes through each network port. Each network port can be connected to different network switches on the same IP subnet to increase redundancy. In the even that one network port fails, all traffic will be redirected to the working network port.

This mode provides many of the benefits of Dynamic Link Aggregation without the need for any switch configuration or support. Additionally, this mode supports network ports of different speeds (10 Gb/s and 1 Gb/s) to be teamed together.



AI NVR Standard

AI NVR Standard merges an enterprise-grade NVR with a built-in AI Appliance. This AI NVR includes four 1-GbE network ports that support up to 900 Mbps of recording throughput. Additionally, AI NVR Standard supports running server side Classified Object Detection, Avigilon Appearance Search, and Face Recognition on up to 10 non-analytic cameras, or can support Avigilon Appearance Search and Face Recognition on up to 100 H5A cameras.

The AI NVR Standard is available with the Avigilon Hardened OS.

Network Architectures

- Avoid cascading switches as this will reduce fault tolerance and may create network bottlenecks.
- Having multiple layers of switches on a critical path increases the chances that a single switch failure can sever the connection to a large group of cameras.

Network Environment

NIC Teaming Enabled (recommended)

- Since the AI NVR Standard has four network ports, recording and client traffic can still be isolated on different networks using different IP subnets or VLANs . This can be achieved by creating two separate NIC teaming groups with two network ports per group.
- The network configuration is completed using the NIC teaming settings on the AI NVR Standard instead of configuring any of the AI NVR Standard network ports individually.

NIC Teaming Disabled

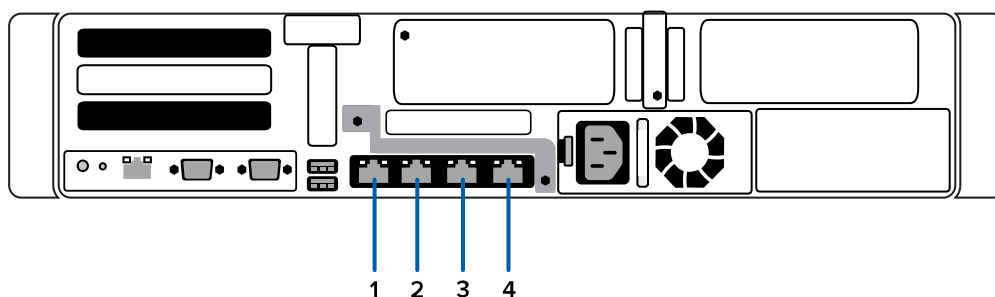
- Keep incoming (recording) traffic and outgoing (client) traffic isolated on different networks using different IP subnets or VLANs.
- Every network port used on the AI NVR Standard must be configured into unique IP subnets.
- Only one network port on the AI NVR Standard (typically the client network port) must be configured with a default gateway IP address. The remaining network ports must only be configured with the IP address and subnet mask.

The following table shows the recommended number of network interfaces for a given recording and client throughput.

Recording Network Interfaces Required	Client Network Interfaces Required	Recording Throughput	Client Recorded Playback Throughput (Or Live Throughput)
One 1 GbE	One 1 GbE	Up to 900 Mbps	Up to 800 Mbps

Network Interface Connections

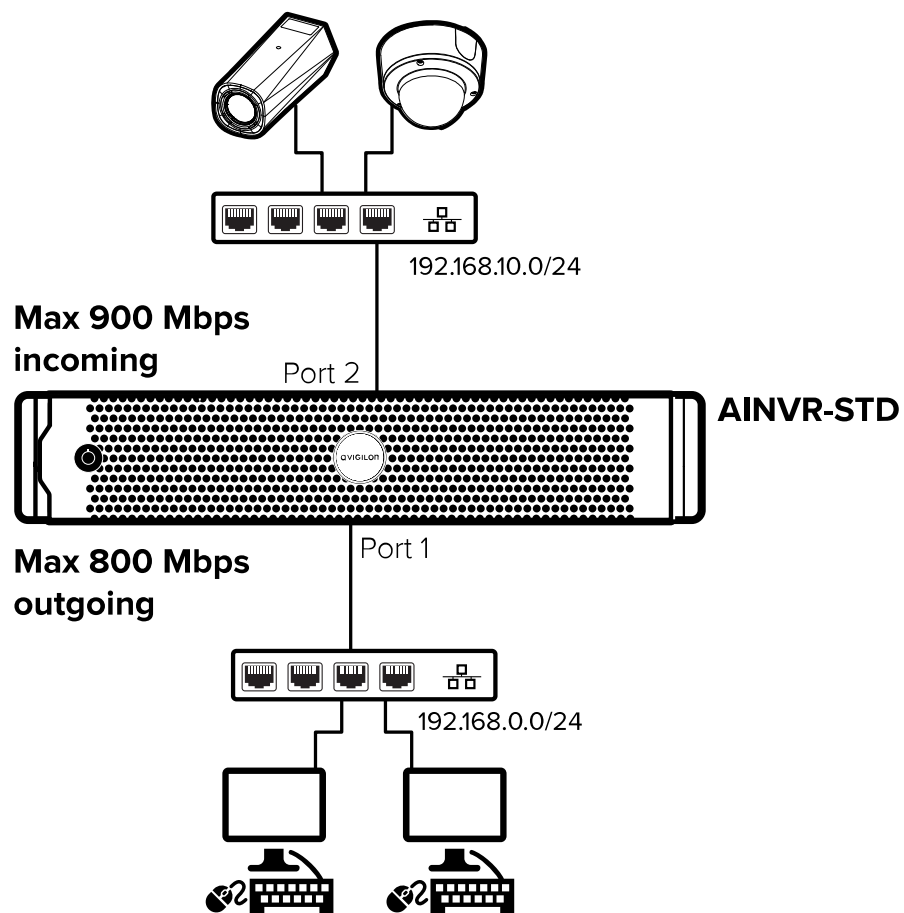
- Any of the 4 ports can be used for incoming or outgoing traffic.



Sample Network Topologies

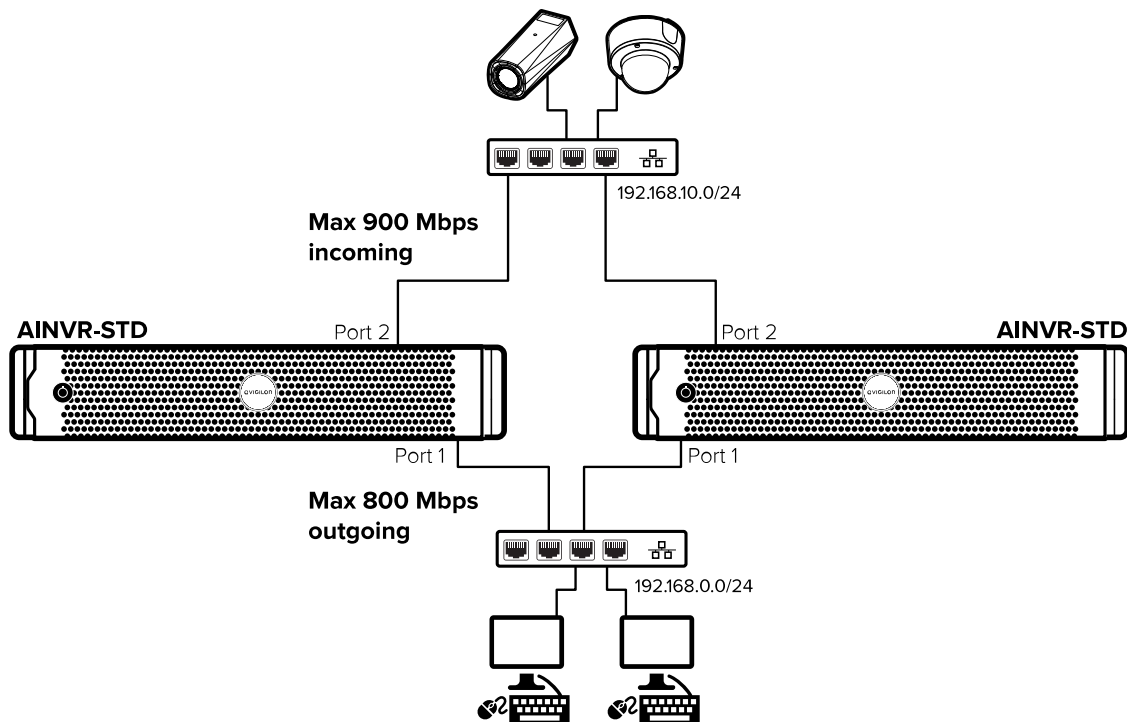
Network Topology with 1 AI NVR Standard

Suitable for sites with less than 900 Mbps of recording throughput. This simple deployment does not provide any network redundancy.



Network Topology with Multiple AI NVR Standard

Suitable for deployments that require network redundancy. Connecting multiple AI NVRs (n AI NVRs) through the same IP subnets will ensure that cameras will continue to record in the event that a single AI NVR fails. Primary and secondary AI NVRs can be set up for each camera from within the ACC system. When deploying this solution, ensure that $1/n$ of each AI NVR's throughput is available to take over traffic from cameras that have been disconnected from their primary AI NVR.



NIC Teaming on AI NVR Standard

Note: Coming soon with ACC 7.12.4.

To further increase network resilience, it is recommended to use network interface controller (NIC) teaming. The AI NVR Standard supports three types of NIC teaming: Active Backup, Dynamic Link Aggregation (IEEE 802.3ad), and Adaptive Load Balancing.

Active Backup

In this mode, one port out of the teamed network ports is designated as the primary port, and the others are set as the backup ports. While the primary network port is functioning properly, the backup ports will not be used. In the event that the primary network port fails, the backup network ports will take over. Both network ports work as unique virtual network interfaces with a single mac address visible to other network devices.

Dynamic Link Aggregation (IEEE 802.3ad)

In this mode, all of the teamed network ports will be aggregated into a single connection that has a

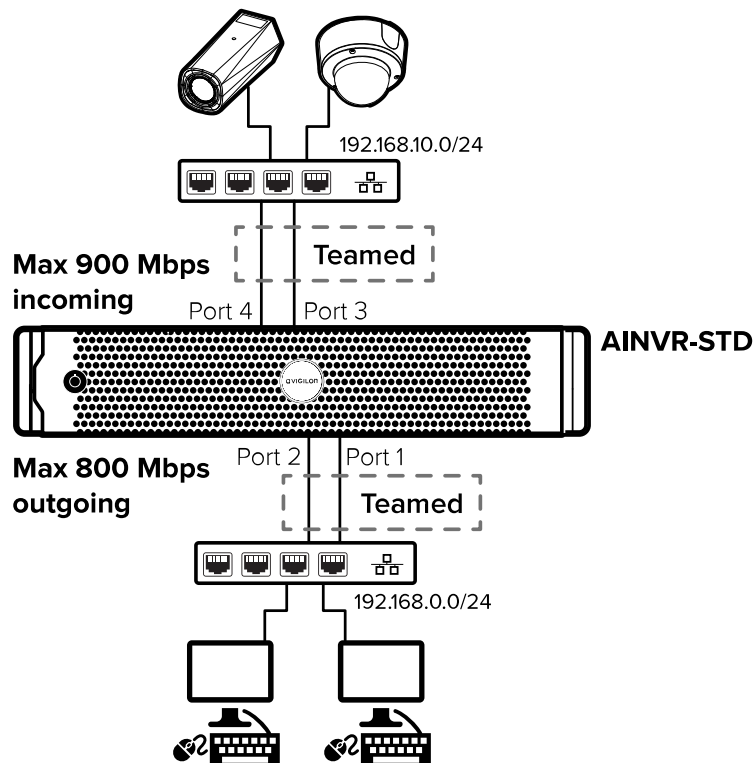
combined bandwidth equal to the sum of all the teamed port's individual bandwidth. All teamed network ports will be utilized simultaneously while in this mode and all devices using the teamed ports will operate at the same speed and duplex. If one network port were to fail, then all traffic will be forced through the remaining network ports and your bandwidth will be reduced to the sum of the remaining ports' bandwidth.

Note: This mode requires a switch that can support IEEE 802.3ad Dynamic Link Aggregation, and will require some setup on that switch.

Adaptive Load Balancing

In this mode, both network ports will be used as separate 1 Gb/s connections, but the AI NVR Standard will attempt to dynamically load balance the transmitted and received traffic that passes through each network port. Each network port can be connected to different network switches on the same IP subnet to increase redundancy. In the event that one network port fails, all traffic will be redirected to the remaining working network port.

This mode provides many of the benefits of Dynamic Link Aggregation without the need for any switch configuration or support. Additionally, this mode supports network ports of different speeds (10 Gb/s and 1 Gb/s) to be teamed together.



NVR4 Value

NVR4 Value provides strong performance and various storage options in a 1U form factor. This budget-friendly NVR includes two 1 GbE network ports that can take in up to 300 Mbps of recording throughput when both network ports are used. Additionally, the NVR4 Value can be upgraded to take advantage of Avigilon Appearance Search™ technology with the optional Analytics Kit (NVR-ANK2-1).

The NVR4 Value is available with Windows 10 IoT Enterprise OS and can be upgraded to Windows Server 2019 with an optional OS upgrade kit (NVR4-S19-COA).

Network Architectures

- Avoid cascading switches as this will reduce fault tolerance and may create network bottlenecks.
- Having multiple switches on a critical path increases the chances that a single switch failure can sever the connection to a large group of cameras.

Network Environment

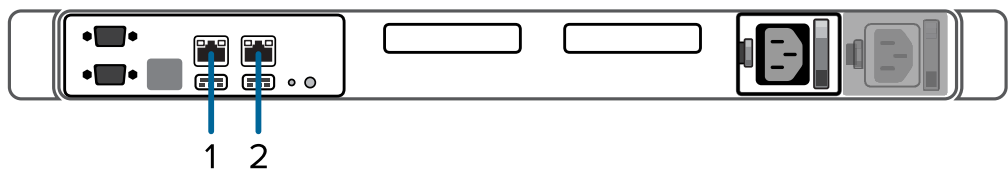
- Keep incoming (recording) traffic and outgoing (client) traffic isolated on different networks using different IP subnets or VLANs.
- Every network port used on the NVR4 Value must be configured into unique IP subnets.
- Only one network port on the NVR4 Value (typically the client network port) must be configured with a default gateway IP address. The remaining network ports must only be configured with the IP address and subnet mask.

The following table shows the recommended number of network interfaces for a given recording and client throughput.

Recording Network Interfaces Required	Client Network Interfaces Required	Recording Throughput	Client Recorded Playback Throughput (Or Live Throughput)
One 1 GbE	One 1 GbE	Up to 300 Mbps	Up to 128 Mbps

Network Interface Connections

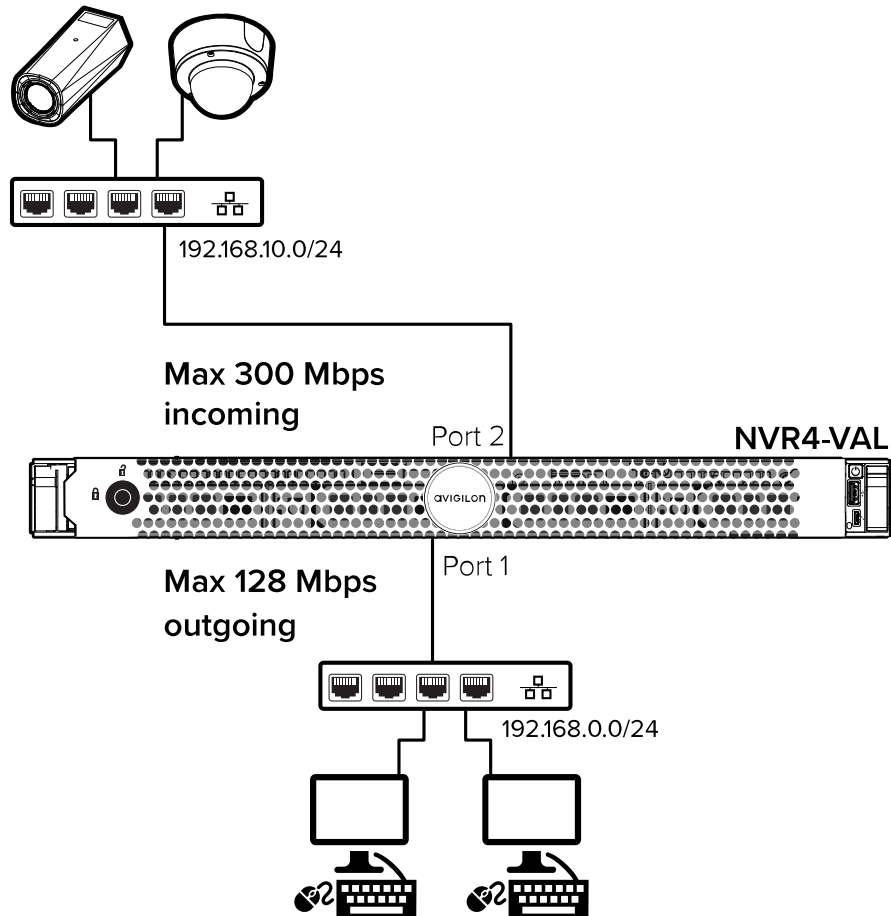
- Either port one or two can be used for incoming or outgoing traffic.



Sample Network Topologies

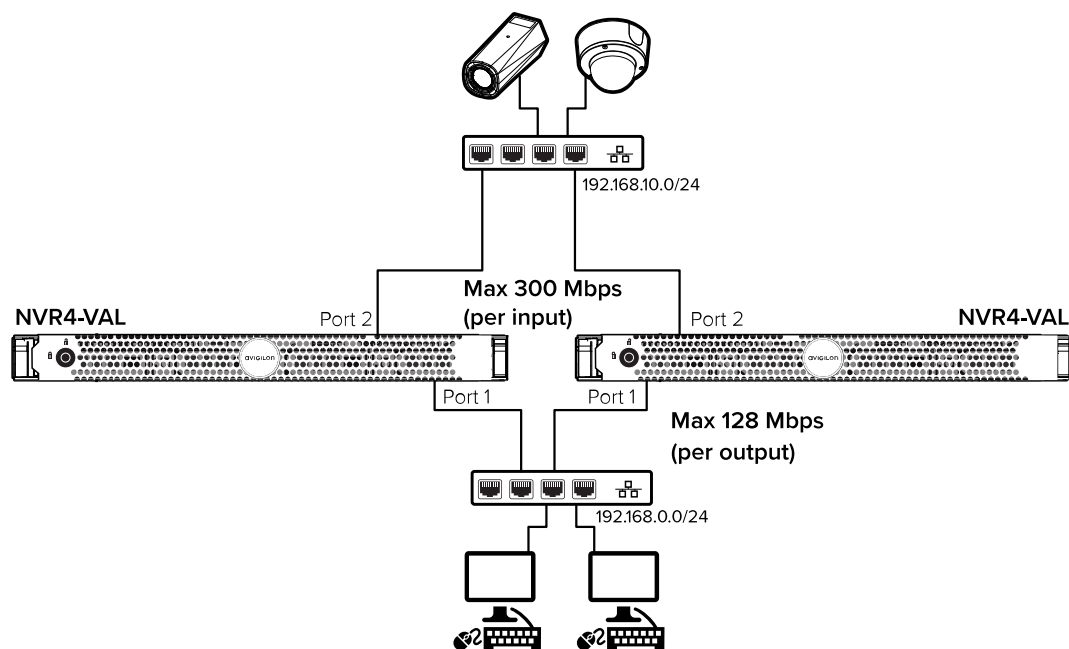
Network Topology with 1 NVR4 Value

Suitable for sites with less than 300 Mbps of recording throughput. This is a simple deployment, but it does not provide any network redundancy.



Network Topology with Multiple NVR4 Value

Suitable for deployments that require network redundancy. Connecting multiple NVR4s (n NVRs) through the same IP subnets will ensure that cameras will continue to record in the event that a single NVR fails. Primary and secondary NVR4s can be set up for each camera from within the ACC™ system. When deploying this solution, ensure that $1/n$ of each NVR's throughput is available to take over traffic from cameras that have been disconnected from their primary NVR.



NVR4X Standard

NVR4X Standard sets the standard for what a professional network video recorder should be. It includes four 1-GbE network ports that support up to 700 Mbps of recording throughput when three 1-GbE network ports are used, and has Avigilon Appearance Search technology built-in. Additionally, it can easily be upgraded to take advantage of increased capacity, secondary power supplies, 10 GbE networking, and additional CPUs.

The NVR4X Standard is available with Windows 10 IoT Enterprise or Windows Server 2016 and can be upgraded to Windows Server 2019 with an optional OS upgrade kit (NVR4-S19-COA).

Network Architectures

- Avoid cascading switches as this will reduce fault tolerance and may create network bottlenecks.
- Having multiple layers of switches on a critical path increases the chances that a single switch failure can sever the connection to a large group of cameras.

Network Environment

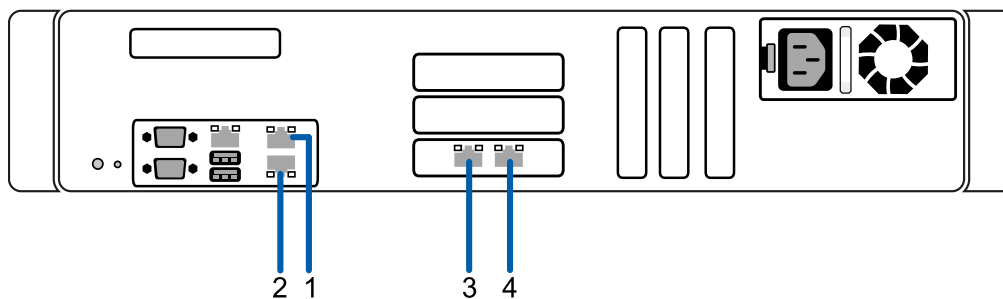
- Keep incoming (recording) traffic and outgoing (client) traffic isolated on different networks using different IP subnets or VLANs.
- Every network port used on the NVR must be configured into unique IP subnets.
- Only one network port on the NVR (typically the client network port) must be configured with a default gateway IP address. The remaining network ports must only be configured with the IP address and subnet mask.
- When possible, attempt to equally distribute incoming (recording) traffic across all network ports, IP subnets, or VLANs being used. The Avigilon System Design Tool can estimate traffic coming from groups of cameras.

The following table shows the recommended number of network interfaces for a given recording and client throughput.

Recording Network Interfaces Required	Client Network Interfaces Required	Recording Throughput	Client Recorded Playback Throughput (Or Live Throughput)
One 1 GbE	One 1 GbE	Up to 250 Mbps	Up to 450 Mbps
Two 1 GbE	One 1 GbE	Up to 450 Mbps	Up to 450 Mbps
Three 1 GbE	One 1 GbE	Up to 700 Mbps	Up to 450 Mbps

Network Interface Connections

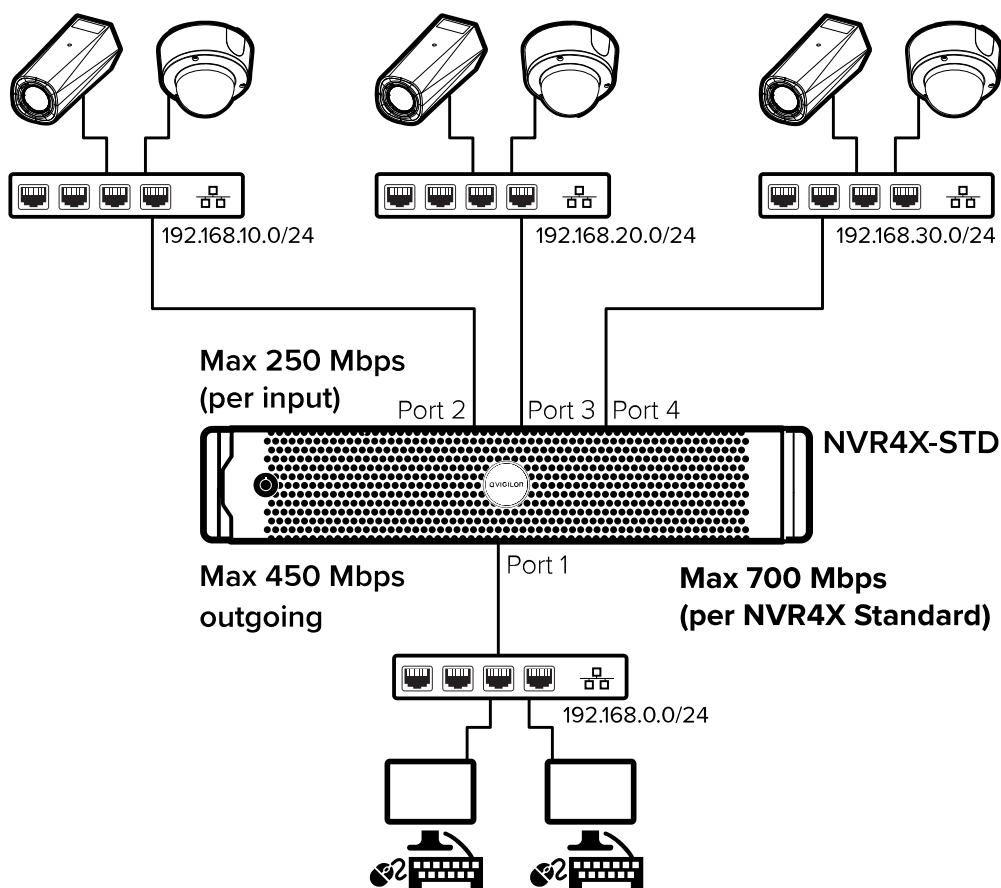
- It is recommended to use network ports three and four first for recording traffic. Ports one and two share the same network controller hardware and should be primarily used for client traffic, but one of them can be used for recording traffic if needed.



Sample Network Topologies

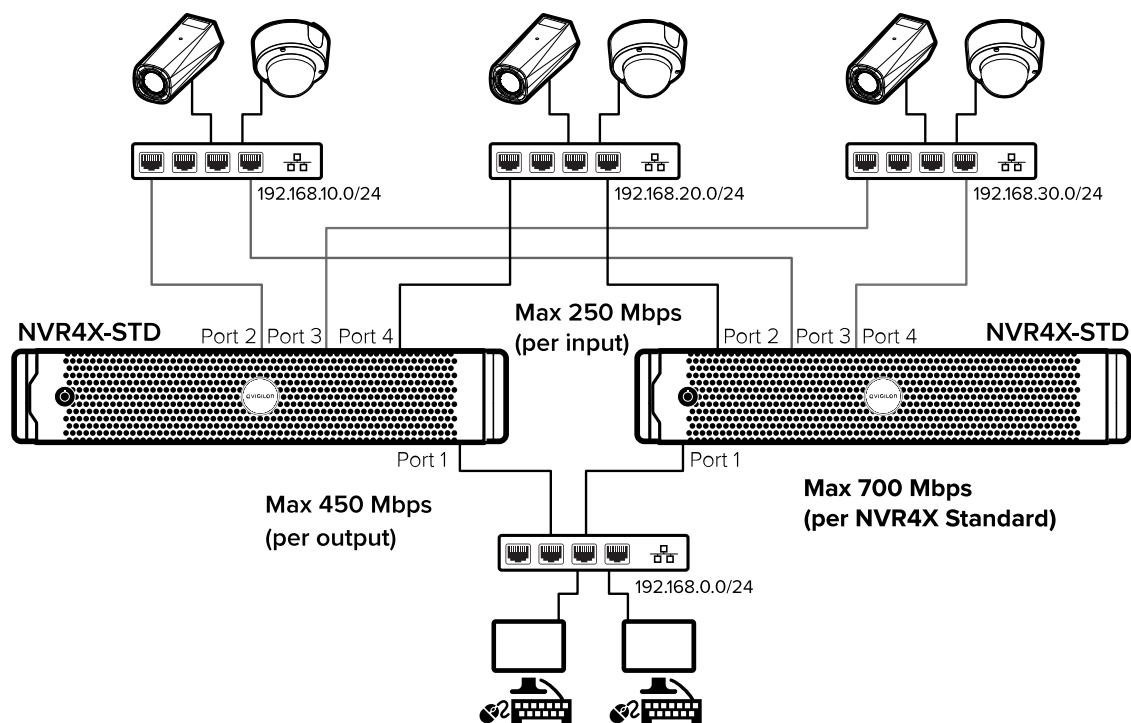
Network Topology with 1 NVR4X Standard

Suitable for sites with less than 700 Mbps of recording throughput. This simple deployment does not provide any network redundancy.



Network Topology with Multiple NVR4X Standard

Suitable for deployments that require network redundancy. Connecting multiple NVR4Xs (n NVRs) through the same IP subnet will ensure that cameras will continue to record in the event that a single NVR fails. Primary and secondary NVR4Xs can be set up for each camera from within the ACC system. When deploying this solution, ensure that $1/n$ of each NVR's throughput is available to take over traffic from cameras that have been disconnected from their primary NVR.



NVR4 Standard

NVR4 Standard sets the standard for what a professional network video recorder should be. It includes four 1-GbE network ports that support up to 700 Mbps of recording throughput when three 1-GbE network ports are used, and has Avigilon Appearance Search technology built-in. Additionally, it can easily be upgraded to take advantage of increased capacity, secondary power supplies, 10 GbE networking, and additional CPUs.

The NVR4 Standard is available with Windows 10 IoT Enterprise or Windows Server 2016 and can be upgraded to Windows Server 2019 with an optional OS upgrade kit (NVR4-S19-COA).

Network Architectures

- Avoid cascading switches as this will reduce fault tolerance and may create network bottlenecks.
- Having multiple layers of switches on a critical path increases the chances that a single switch failure can sever the connection to a large group of cameras.

Network Environment

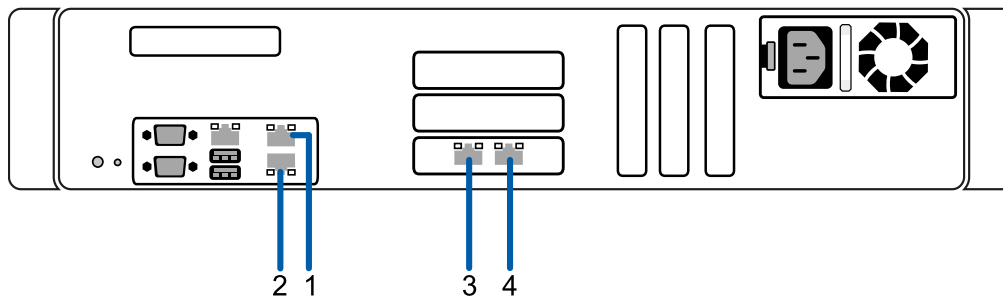
- Keep incoming (recording) traffic and outgoing (client) traffic isolated on different networks using different IP subnets or VLANs.
- Every network port used on the NVR must be configured into unique IP subnets.
- Only one network port on the NVR (typically the client network port) must be configured with a default gateway IP address. The remaining network ports must only be configured with the IP address and subnet mask.
- When possible, attempt to equally distribute incoming (recording) traffic across all network ports, IP subnets, or VLANs being used. The Avigilon System Design Tool can estimate traffic coming from groups of cameras.

The following table shows the recommended number of network interfaces for a given recording and client throughput.

Recording Network Interfaces Required	Client Network Interfaces Required	Recording Throughput	Client Recorded Playback Throughput (Or Live Throughput)
One 1 GbE	One 1 GbE	Up to 250 Mbps	Up to 450 Mbps
Two 1 GbE	One 1 GbE	Up to 450 Mbps	Up to 450 Mbps
Three 1 GbE	One 1 GbE	Up to 700 Mbps	Up to 450 Mbps

Network Interface Connections

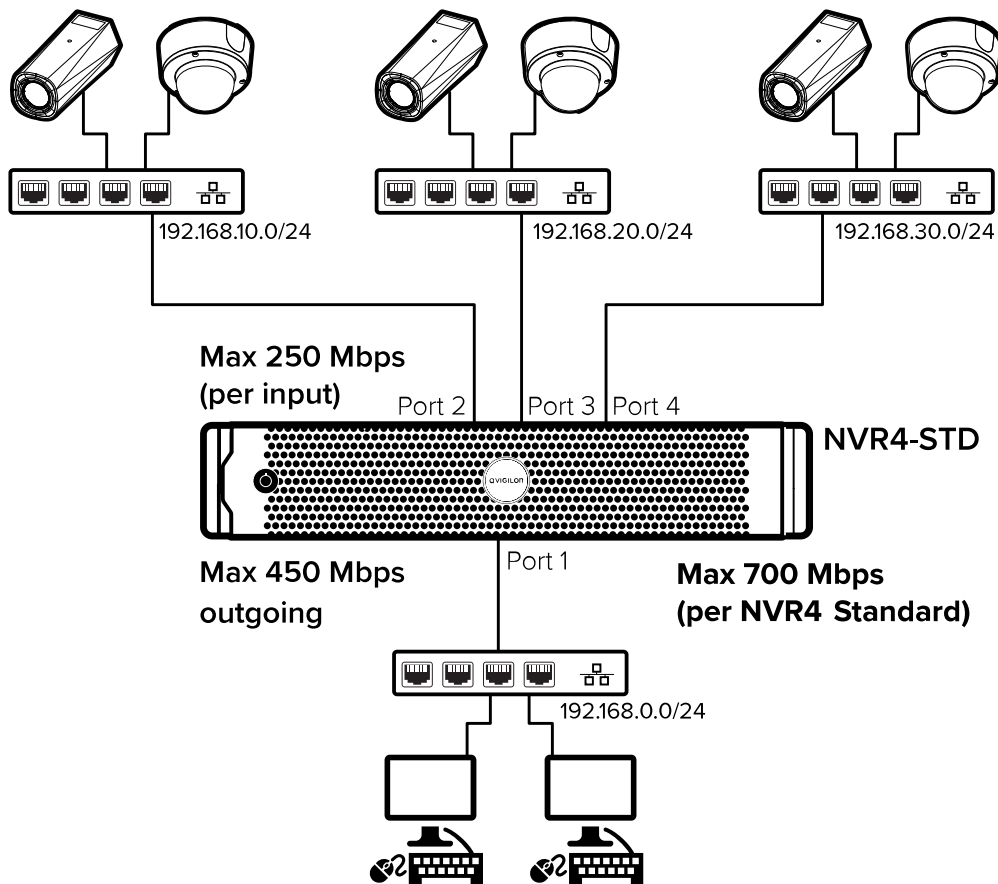
- It is recommended to use network ports three and four first for recording traffic. Ports one and two share the same network controller hardware and should be primarily used for client traffic, but one of them can be used for recording traffic if needed.



Sample Network Topologies

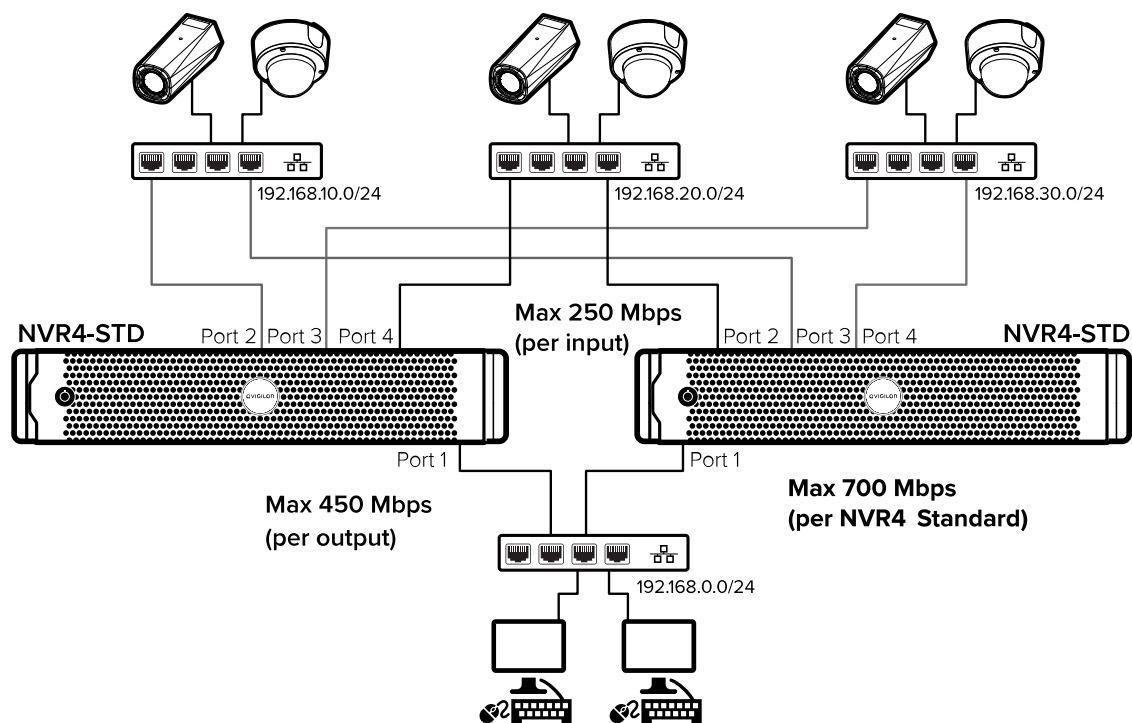
Network Topology with 1 NVR4 Standard

Suitable for sites with less than 700 Mbps of recording throughput. This simple deployment does not provide any network redundancy.



Network Topology with Multiple NVR4 Standard

Suitable for deployments that require network redundancy. Connecting multiple NVR4s (n NVRs) through the same IP subnet will ensure that cameras will continue to record in the event that a single NVR fails. Primary and secondary NVR4s can be set up for each camera from within the ACC system. When deploying this solution, ensure that $1/n$ of each NVR's throughput is available to take over traffic from cameras that have been disconnected from their primary NVR.



NVR4X Premium

NVR4X Premium has extremely high storage density and performance. It is designed for exceptional performance with two 10-GbE and up to six 1-GbE Network ports, that support up to 2.1 Gbps of total throughput when all network ports are used. NVR4X Premium comes with Avigilon Appearance Search technology and secondary power supplies built-in. Additionally, it can easily be upgraded to take advantage of secondary power supplies, fiber-optic connections, and additional CPUs.

The NVR4X Premium is available with Windows Server 2016 and can be upgraded to Windows Server 2019 with an optional OS upgrade kit (NVR4-S19-COA).

The NVR4X Premium is designed for exceptional performance, supporting up to 2.1 Gbps of total throughput, with:

- Two 10-GbE and four 1-GbE Network ports - NVR4X-PRM-192/217TB
- Two 10-GbE and six 1-GbE Network ports - NVR4X-PRM-64/96/128/157TB

Network Architectures

- Avoid cascading switches as this will reduce fault tolerance and may create network bottlenecks.
- Having multiple layers of switches on a critical path increases the chances that a single switch failure can sever the connection to a large group of cameras.

Network Environment

- Keep incoming (recording) traffic and outgoing (client) traffic isolated on different networks using different IP subnets or VLANs.
- Every network port used on the NVR4X Premium must be configured into unique IP subnets.
- Only one network port on the NVR4X Premium (typically the client network port) must be configured with a default gateway IP address. The remaining network ports must only be configured with the IP address and subnet mask.
- When possible, attempt to equally distribute incoming (recording) traffic across all network ports, IP subnets or VLANs being used. The Avigilon System Design Tool can estimate traffic coming from groups of cameras.
- If you have multiple VLANs on an edge switch, ensure that the trunk back to the core is appropriately configured to handle multiple VLAN traffic.
- On 10 GbE networks, both 10-GbE ports should be used on the NVR4X Premium:
 - For fault tolerance, connect both 10-GbE network ports to the same switch with NIC teaming in fault tolerance mode. Note that this configuration will reduce the maximum recording throughput to 1250 Mbps.
 - For maximum recording throughput, connect each 10-GbE network port to a separate switch and IP subnet or VLAN. This configuration maximizes the total recording throughput up to 1500 Mbps (with max 1250 Mbps per port).

The following table shows the recommended number of network interfaces for a given recording and client

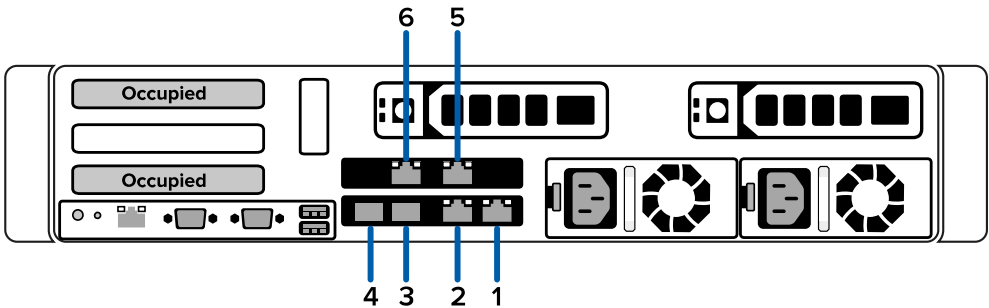
throughput.

Recording Network Interfaces Required	Client Network Interfaces Required	Recording Throughput	Client Recorded Playback Throughput (Or Live Throughput)
One or two 1 GbE	One 1 GbE	Up to 600 Mbps	Up to 600 Mbps
Three 1 GbE	One 1 GbE	Up to 700 Mbps	Up to 600 Mbps
One 10 GbE	One 1 GbE	Up to 1250 Mbps	Up to 600 Mbps
Two 10 GbE	Two 1 GbE	Up to 1500 Mbps (max 1250 Mbps per port)	Up to 600 Mbps

Network Interface Connections

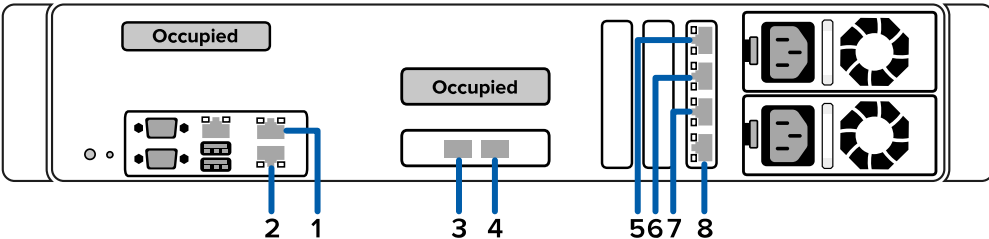
NVR4X Premium (192/217 TB)

- It is recommended to use network ports three and four for recording traffic.
- It is recommended to use network ports one, two, five and six for client traffic or lower throughput recording traffic.



NVR4X Premium (64/96/128/157 TB)

- It is recommended to use network ports three and four for recording traffic.
- It is recommended to use network ports one, two, five, six, seven and eight for client traffic or lower throughput recording traffic.

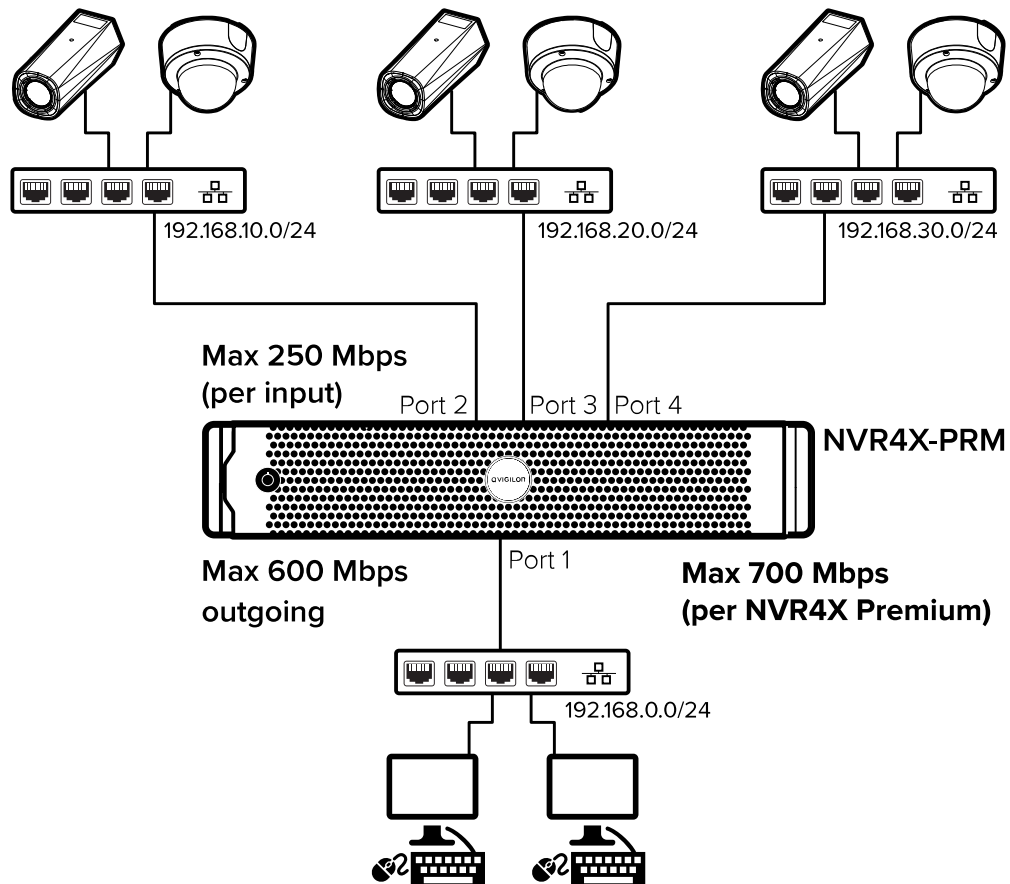


Sample Network Topologies

1-GbE Networking

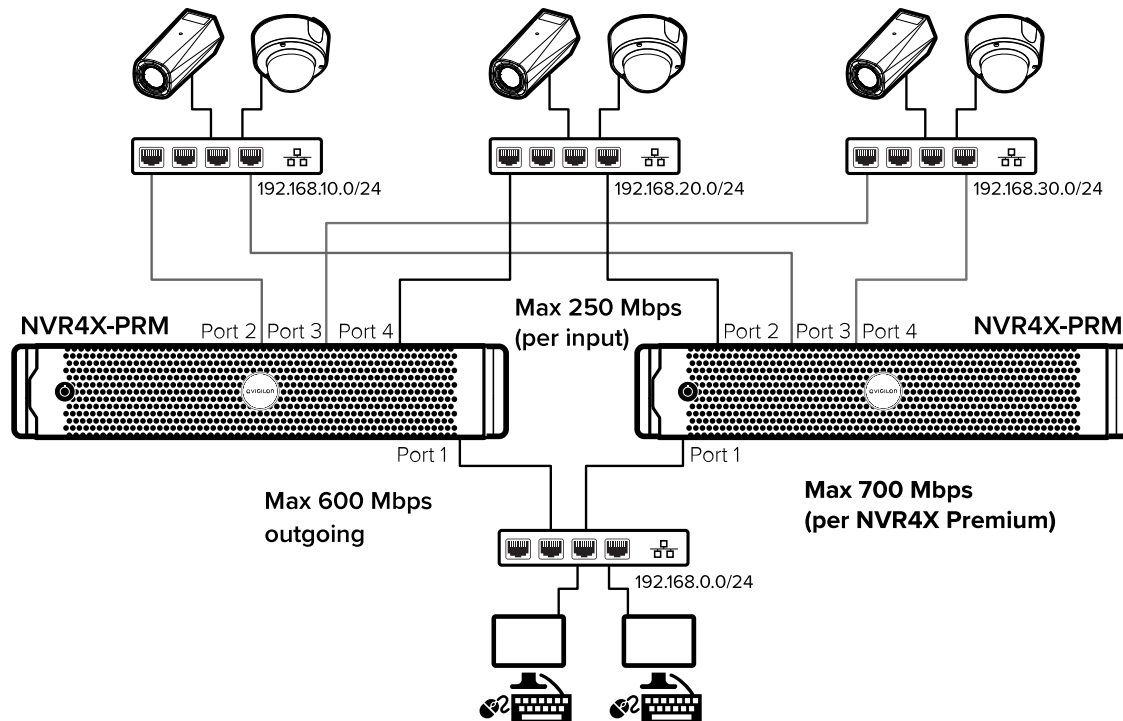
1-GbE Network Topology with 1 NVR4X Premium

Suitable for sites using 1-GbE networking with less than 700 Mbps of recording throughput. This simple deployment does not provide any network redundancy.



1-GbE Network Topology with Multiple NVR4X Premium

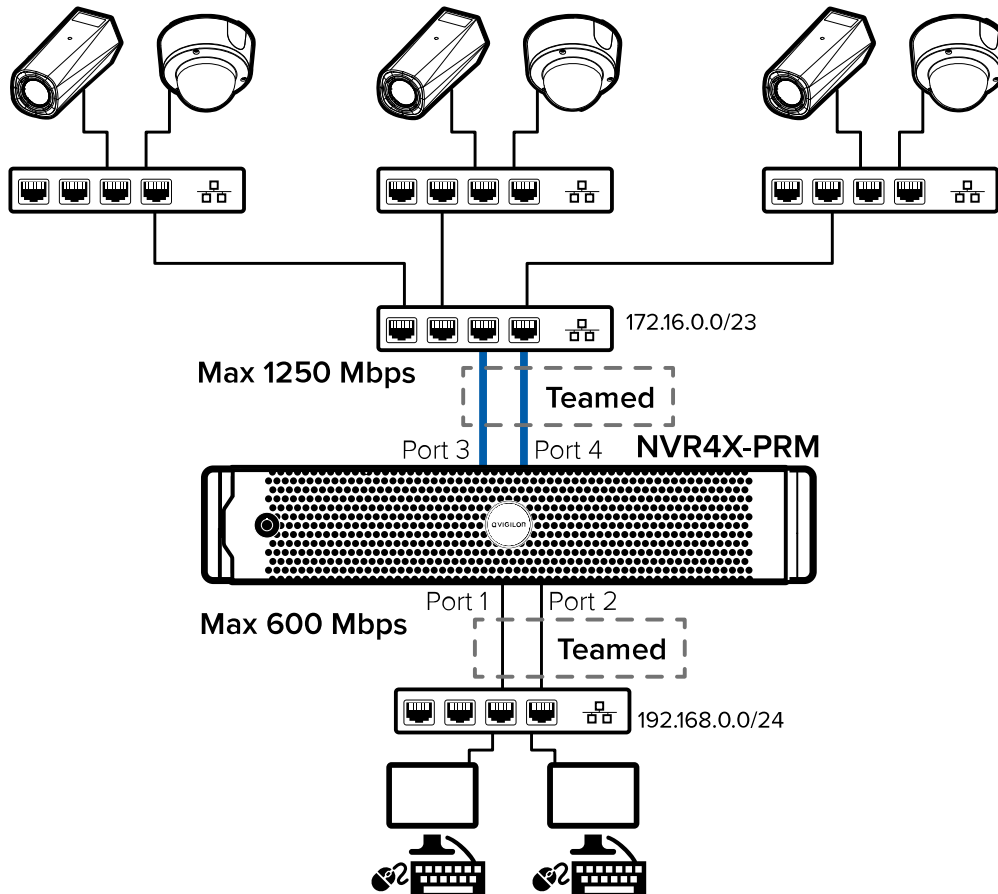
Suitable for deployments using 1-GbE Networking that require network redundancy. Connecting multiple NVR4Xs (n NVRs) through the same switch will ensure that cameras will continue to record in the event that a single NVR fails. Primary and secondary NVR4Xs can be set up for each camera from within the ACC system. When deploying this solution, ensure that $1/n$ of each NVR's throughput is available to take over traffic from cameras that have been disconnected from their primary NVR.



10-GbE Networking

10-GbE Network Topology with 1 NVR4X Premium

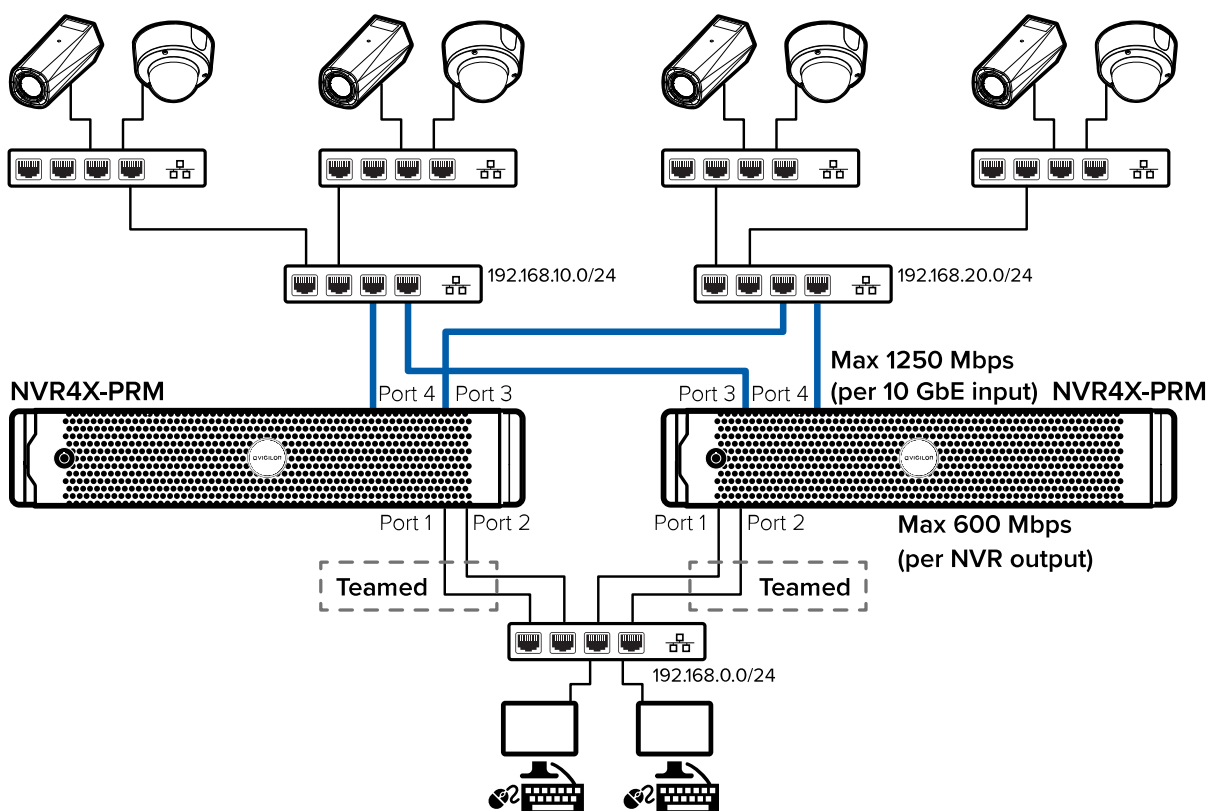
Suitable for sites using 10-GbE networking with less than 1250 Mbps of recording throughput with two 10-GbE network ports configured to one NIC team. This simple deployment provides redundancy in the event that one 10-GbE network port on the NVR4X Premium fails. See *NIC Teaming Overview* on page 35 for steps on how to set up NIC teaming in fault tolerant mode.



10-GbE Network Topology with Multiple NVR4X Premium

Suitable for deployments using 10-GbE Networking that require network redundancy. Connecting multiple NVR4Xs (n NVRs) through the same switch will ensure that cameras will continue to record in the event that a single NVR fails. Primary and secondary NVR4Xs can be set up for each camera from within the ACC system. When deploying this solution, ensure that $1/n$ of each NVR's throughput is available to take over traffic from cameras that have been disconnected from their primary NVR. Additionally the use of NIC teaming on the playback ports provides redundancy in the event that one network port on the NVR4X Premium fails. See *NIC Teaming Overview* on page 35 for steps on how to set up NIC teaming in fault tolerant mode.

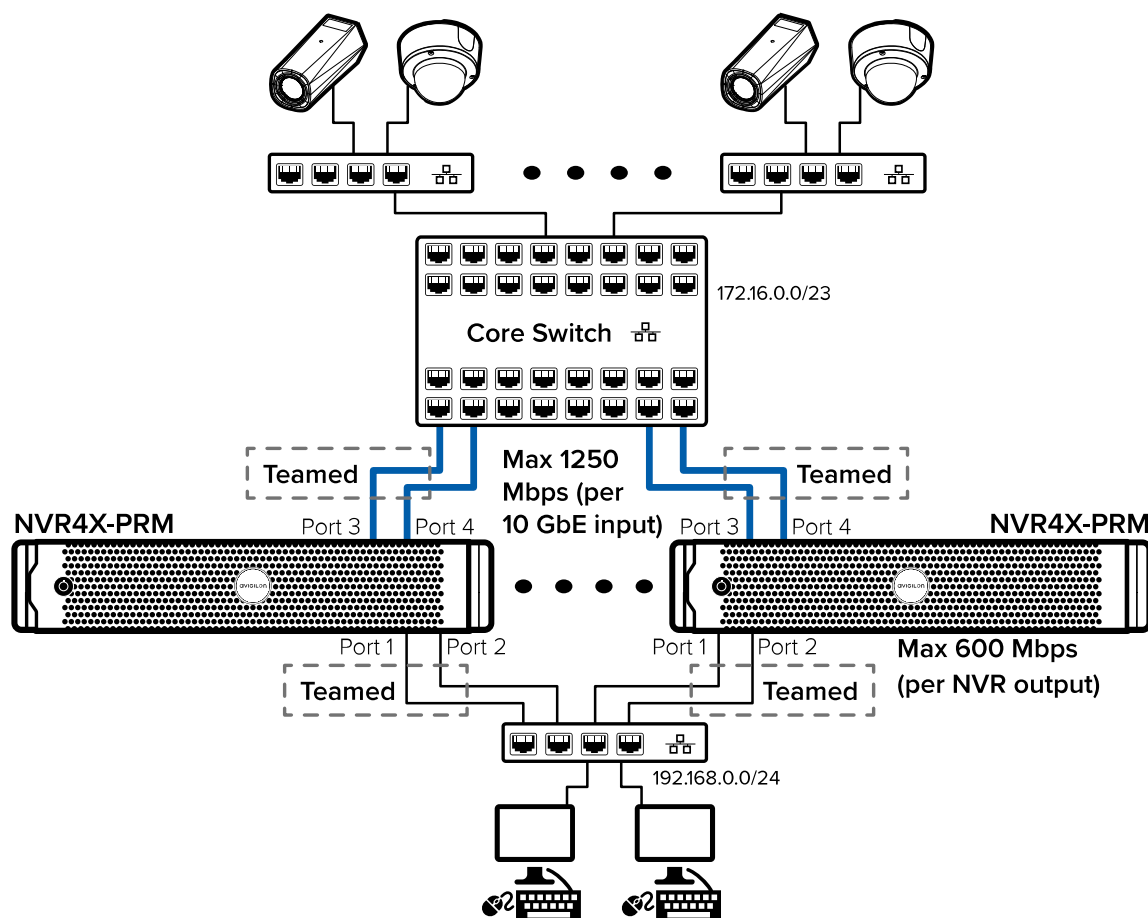
Note: NIC teaming is not used on the recording ports, as more robust redundancy can be achieved by using two switches.



Enterprise Networking

Enterprise Network Topology with Multiple NVR4X Premium

Suitable for deployments using 10-GbE networking that require robust network redundancy. An enterprise level core switch is used to simplify network connections with multiple NVR4Xs (n NVRs). Primary and secondary NVR4Xs should be set up for each camera from within the ACC system. When deploying this solution, ensure that $1/n$ of each NVR's throughput is available to take over traffic from cameras that have been disconnected from their primary NVR. Additionally the use of NIC teaming on the recording and playback ports provides redundancy in the event that one network port on the NVR4X Premium fails. See *NIC Teaming Overview* on page 35 for steps on how to set up NIC teaming in fault tolerant mode.



NVR4 Premium

NVR4 Premium has extremely high storage density and performance. It is designed for exceptional performance with two 10-GbE and two 1-GbE Network ports, that support up to 2.1 Gbps of total throughput when all network ports are used. NVR4 Premium comes with Avigilon Appearance Search technology and secondary power supplies built-in. Additionally, it can easily be upgraded to take advantage of secondary power supplies, fiber-optic connections, and additional CPUs.

The NVR4 Premium is available with Windows Server 2016 and can be upgraded to Windows Server 2019 with an optional OS upgrade kit (NVR4-S19-COA).

Network Architectures

- Avoid cascading switches as this will reduce fault tolerance and may create network bottlenecks.
- Having multiple layers of switches on a critical path increases the chances that a single switch failure can sever the connection to a large group of cameras.

Network Environment

- Keep incoming (recording) traffic and outgoing (client) traffic isolated on different networks using different IP subnets or VLANs.
- Every network port used on the NVR4 Premium must be configured into unique IP subnets.
- Only one network port on the NVR4 Premium (typically the client network port) must be configured with a default gateway IP address. The remaining network ports must only be configured with the IP address and subnet mask.
- When possible, attempt to equally distribute incoming (recording) traffic across all network ports, IP subnets or VLANs being used. The Avigilon System Design Tool can estimate traffic coming from groups of cameras.
- If you have multiple VLANs on an edge switch, ensure that the trunk back to the core is appropriately configured to handle multiple VLAN traffic.
- On 10 GbE networks, both 10-GbE ports should be used on the NVR4 Premium:
 - For fault tolerance, connect both 10-GbE network ports to the same switch with NIC teaming in fault tolerance mode. Note that this configuration will reduce the maximum recording throughput to 1250 Mbps.
 - For maximum recording throughput, connect each 10-GbE network port to a separate switch and IP subnet or VLAN. This configuration maximizes the total recording throughput up to 1500 Mbps (with max 1250 Mbps per port).

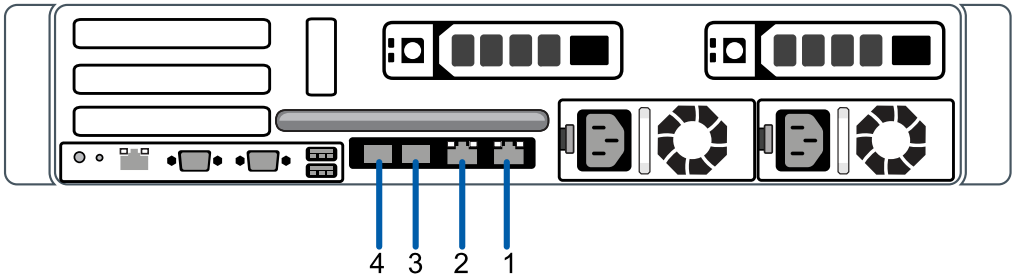
The following table shows the recommended number of network interfaces for a given recording and client throughput.

Recording Network Interfaces Required	Client Network Interfaces Required	Recording Throughput	Client Recorded Playback Throughput (Or Live Throughput)
One or two 1 GbE	One 1 GbE	Up to 600 Mbps	Up to 600 Mbps
One 10 GbE	One 1 GbE	Up to 1250 Mbps	Up to 600 Mbps
Two 10 GbE	Two 1 GbE	Up to 1500 Mbps (max 1250 Mbps per port)	Up to 600 Mbps

Network Interface Connections

NVR4 Premium

- It is recommended to use network ports three and four for recording traffic.
- It is recommended to use network ports one and two for client traffic or lower throughput recording traffic.

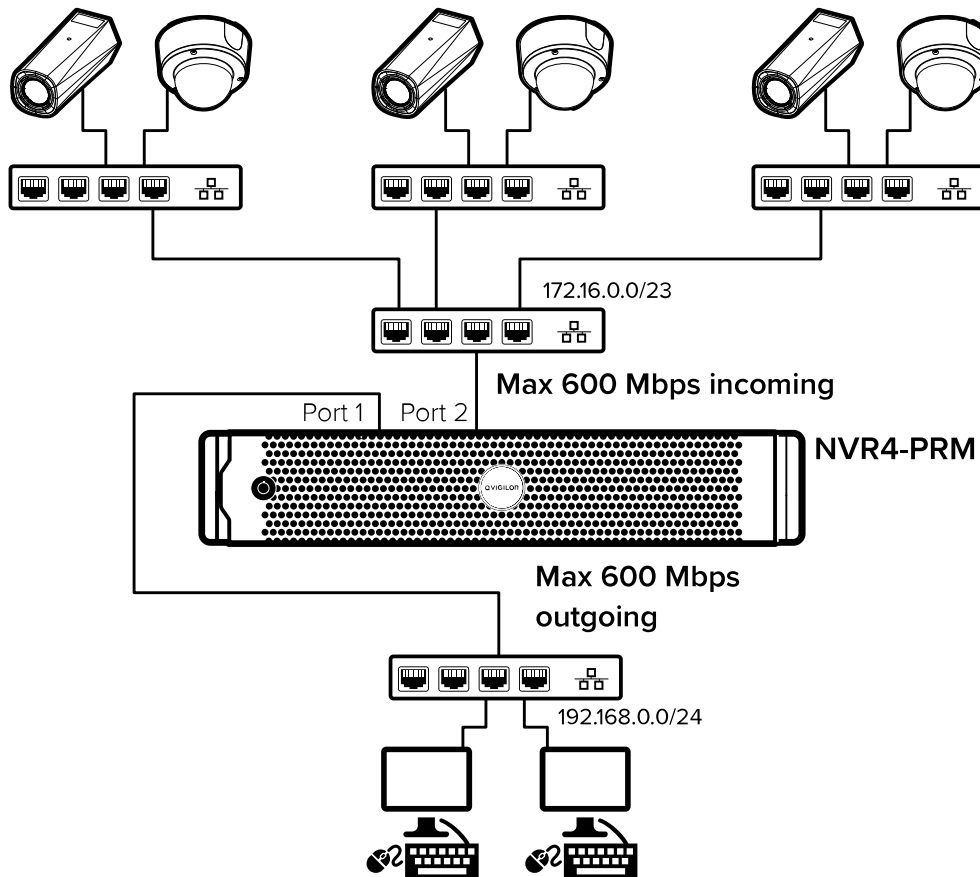


Sample Network Topologies

1-GbE Networking

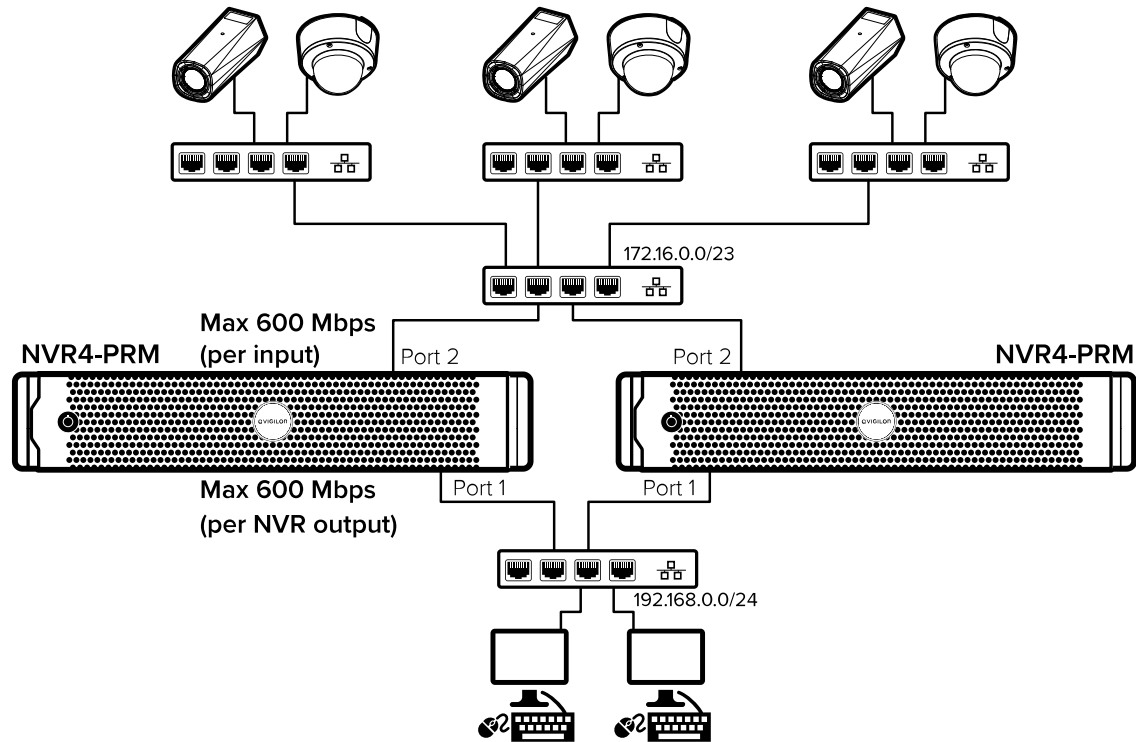
1-GbE Network Topology with 1 NVR4 Premium

Suitable for sites using 1-GbE networking with less than 600 Mbps of recording throughput. This simple deployment does not provide any network redundancy.



1-GbE Network Topology with Multiple NVR4 Premium

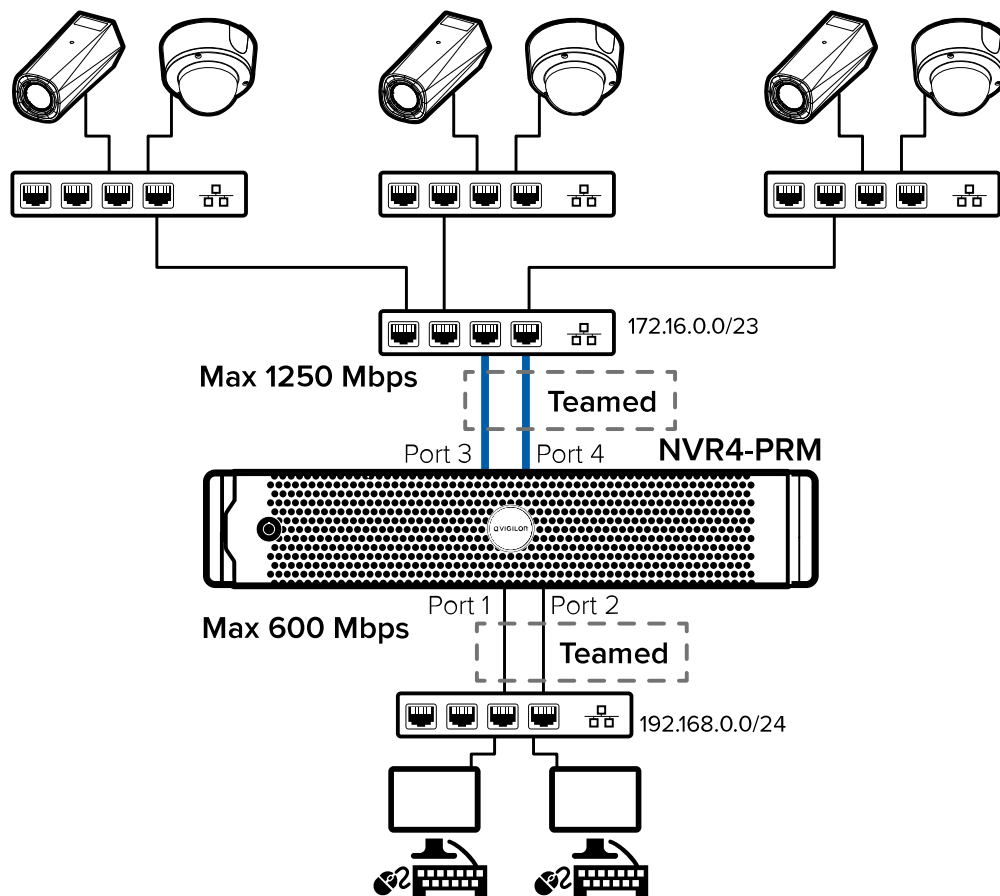
Suitable for deployments using 1-GbE Networking that require network redundancy. Connecting multiple NVR4s (n NVRs) through the same switch will ensure that cameras will continue to record in the event that a single NVR fails. Primary and secondary NVR4s can be set up for each camera from within the ACC system. When deploying this solution, ensure that $1/n$ of each NVR's throughput is available to take over traffic from cameras that have been disconnected from their primary NVR.



10-GbE Networking

10-GbE Network Topology with 1 NVR4 Premium

Suitable for sites using 10-GbE networking with less than 1250 Mbps of recording throughput with two 10-GbE network ports configured to one NIC team. This simple deployment provides redundancy in the event that one 10-GbE network port on the NVR4 Premium fails. See *NIC Teaming Overview* on page 35 for steps on how to set up NIC teaming in fault tolerant mode.



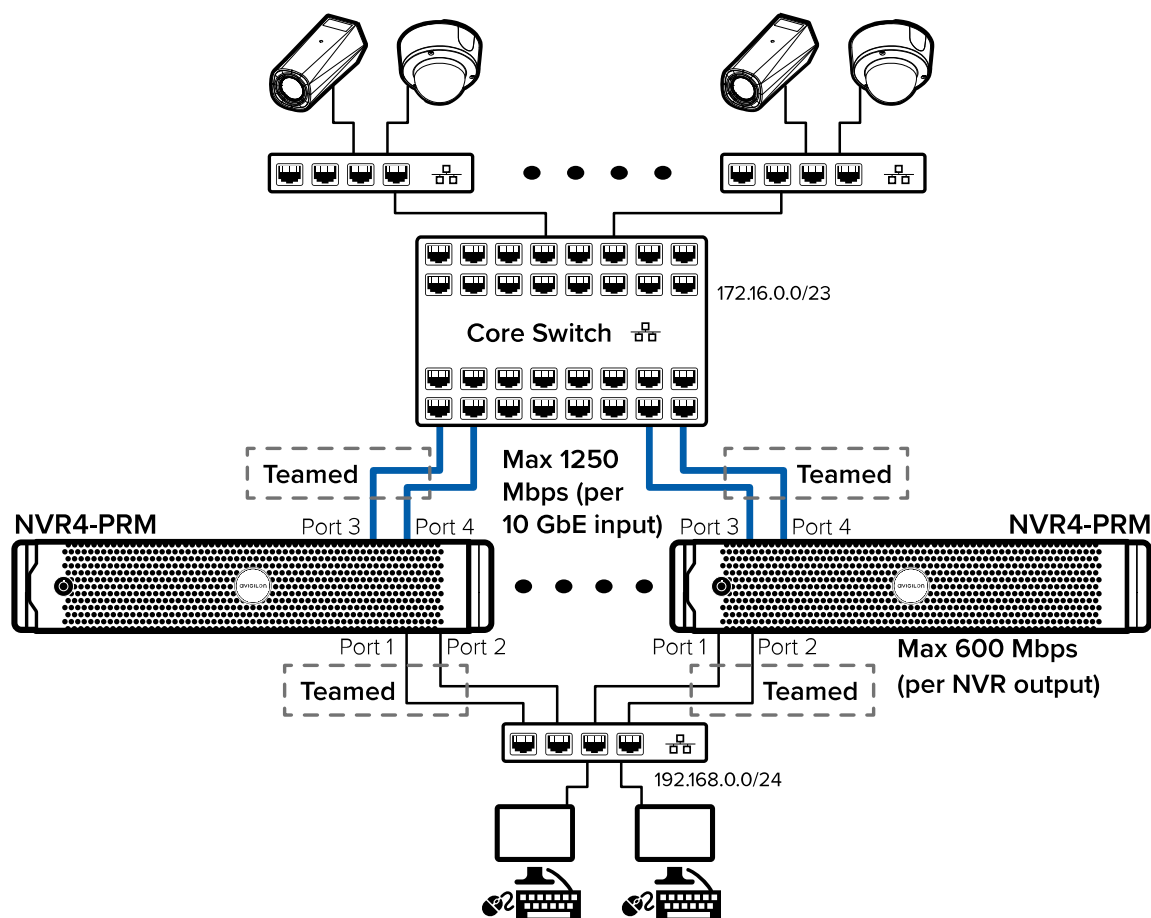
Suitable for deployments using 10-GbE Networking that require network redundancy. Connecting multiple NVR4s (n NVRs) through the same switch will ensure that cameras will continue to record in the event that a single NVR fails. Primary and secondary NVR4s can be set up for each camera from within the ACC system. When deploying this solution, ensure that $1/n$ of each NVR's throughput is available to take over traffic from cameras that have been disconnected from their primary NVR. Additionally the use of NIC teaming on the playback ports provides redundancy in the event that one network port on the NVR4 Premium fails. See *NIC Teaming Overview* on page 35 for steps on how to set up NIC teaming in fault tolerant mode.

The diagram illustrates a dual-NVR system setup for 10GbE PoE cameras. Two NVR4-PRM units are connected to two 10GbE switches (192.168.10.0/24 and 192.168.20.0/24) via their 10GbE ports (Port 3 and Port 4). The NVRs are also connected to a central switch (192.168.0.0/24) via their 10GbE ports (Port 1 and Port 2). The central switch is connected to two desktop computers. The NVRs are labeled with their maximum throughput: Max 1250 Mbps (per 10 GbE input) and Max 600 Mbps (per NVR output). The NVRs are also labeled with their model number, NVR4-PRM.

Enterprise Networking

Enterprise Network Topology with Multiple NVR4 Premium

Suitable for deployments using 10-GbE networking that require robust network redundancy. An enterprise level core switch is used to simplify network connections with multiple NVR4s (n NVRs). Primary and secondary NVR4s should be set up for each camera from within the ACC system. When deploying this solution, ensure that $1/n$ of each NVR's throughput is available to take over traffic from cameras that have been disconnected from their primary NVR. Additionally the use of NIC teaming on the recording and playback ports provides redundancy in the event that one network port on the NVR4 Premium fails. See *NIC Teaming Overview* on page 35 for steps on how to set up NIC teaming in fault tolerant mode.



Deploying an Avigilon AI Appliance

AI Appliance and NVR Interoperability Considerations

- Video analytic processing on the Avigilon AI Appliance will source live video from enabled cameras through the NVRs in the site (note the video streaming is not direct from a camera). From a NVR throughput performance perspective, this video streaming is equivalent to ACC Client live streaming and does not degrade or consume NVR camera recording capacity.
- Upgrades, restarts and other outages on the Avigilon AI Appliance will not affect NVR video recording and will not interrupt camera to NVR connections. The only result of an outage will be gaps in analytic events, metadata and appearance search results for searches within the outage window. Expect the following when an Avigilon AI Appliance fails:
 - Motion recording will stop for non-analytic cameras that are configured for classified object motion detection and not configured for pixel motion detection.
 - Rules and alarms related to analytic events for cameras linked to the AI appliance will not trigger, and will not display on the Focus of Attention tab.
- Recorded video analytic and appearance search data is persisted on the NVR and will be retained on the NVR even after the AI Appliance is removed. Archives from the NVR will also contain this data.
- **At initial setup time, the ACC Client PC must be on a network with connectivity to the AI Appliance and the ACC site. Once the AI Appliance has joined the ACC site, this is no longer a requirement.**

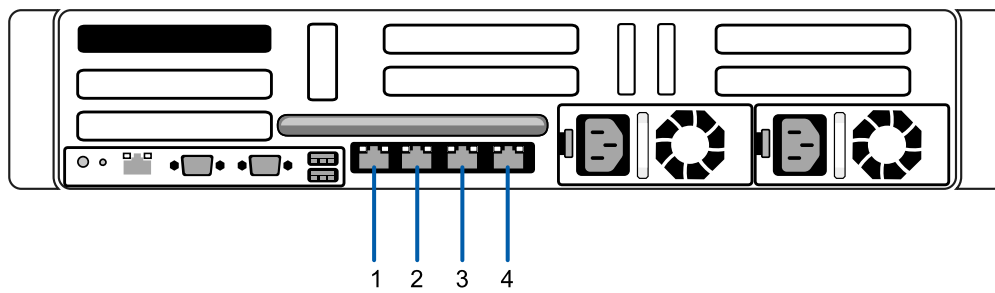
Network Architectures

- Enabling n cameras with AI Appliance video analytic processing will result in n video live streams between the NVR and AI Appliance.

E.g. Enabling video analytic processing on 50 x 2 Mbps cameras will result in at most 50 x 2 Mbps live streams from the NVR to AI Appliance. This bandwidth may be reduced for HDSM SmartCodec™ enabled cameras.
- The AI Appliance sends analytics data to connected NVRs. This traffic has a negligible network load (less than 100 Kbps per enabled camera).
- The AI Appliance must be installed with network connectivity to all ACC Site member NVRs and does not require network connectivity to cameras.
- To limit cross-network traffic, it is preferable that the AI Appliance is co-located with the ACC NVRs connected to the cameras on which the AI Appliance will be performing video analytic processing.
- The AI Appliance will still function well in non co-located deployments given sufficient network throughput and reasonable latency between NVR and AI Appliance.

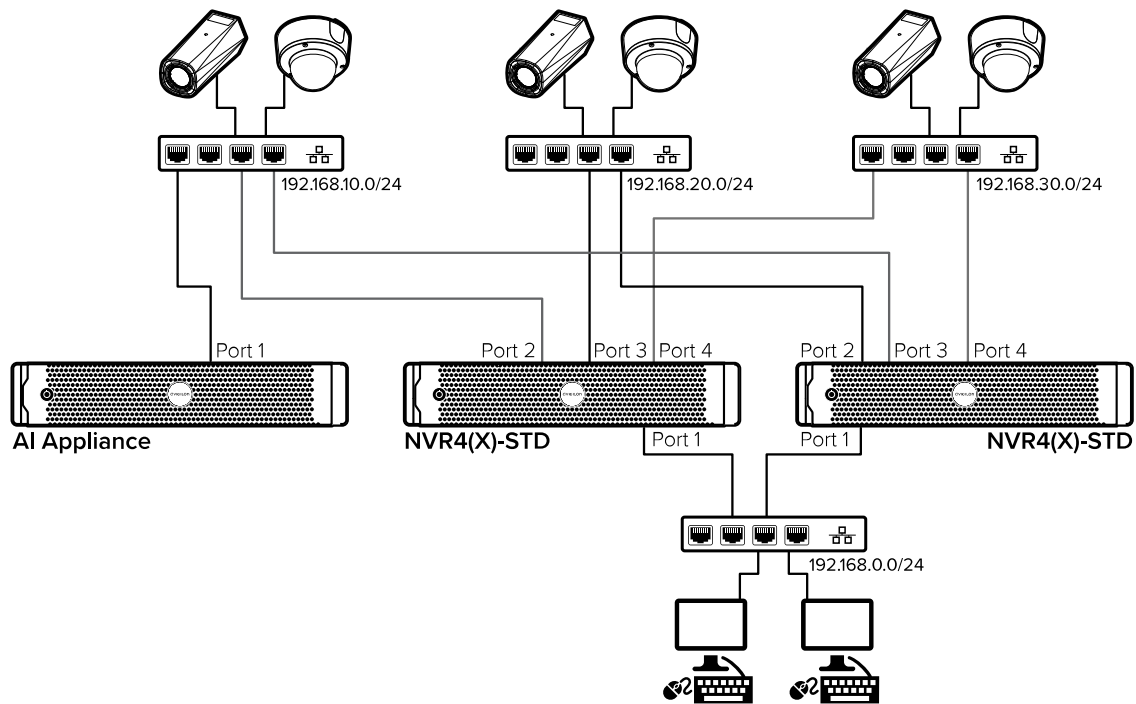
Network Interface Connections

The Avigilon AI Appliance requires only a single network connection to handle its rated 600 Mbps of video analytics processing throughput. However, up to 4 network interfaces are available to accommodate advanced site networking deployments and traffic segmentation and distribution in the future.



Sample Network Topologies

AI Appliance Networking



NIC Teaming Overview

Note: The NIC teaming described in this section applies to the NVR4 and NVR4X windows-based NVRs. For more information on NIC teaming with AI NVRs, see *NIC Teaming on AI NVR Value* on page 4 or *NIC Teaming on AI NVR Standard* on page 8.

NIC teaming in fault tolerance mode is currently supported on NVR4(X) Premium. It is handled at the NVR level through Windows Server 2016. Refer to the following sections to set it up.

Introduction

Purpose

The purpose of this document is to provide an overview of the switch independent, active/standby Network Interface Controller (NIC) teaming strategy and its configuration details as recommended by Avigilon for the fourth-generation NVR Premium.

Scope

This overview discusses the benefits, setup details, expected behavior, and the limitations that arise when implementing the switch independent, active/standby NIC teaming strategy. This NIC teaming strategy is used with the intent of providing redundancy when the NVR is connected to two segmented networks or subnets with one camera network and one client network.

Note: NIC teams that provide bandwidth aggregation require switch-side configuration. These types of network topologies are not supported and are outside the scope of this document.

Audience

This document is intended to be used by installers who want to set up their NVR with the switch independent, active/standby NIC teaming configuration.

Design and Implementation

Link Aggregation Overview

Link aggregation is used to configure more than one physical NIC into a single logical group that behaves as if it were a single NIC. The logical group has its own modified IP address, but it uses the MAC address of a group member. The native implementation of link aggregation in Windows Server 2016 is called NIC teaming.

When NIC teaming is aggregated using a suitable configuration, it can provide one or both of the following benefits:

- Failover during NIC failure → Increased availability
- Increased performance → Load sharing and bandwidth aggregation

In Windows Server 2016, to configure NIC teaming to allow bandwidth aggregation requires switch-side configuration as well.

Recommended Strategy

The NIC teaming strategy supported on the NVR provides failover during NIC failure. Bandwidth aggregation is not a requirement.

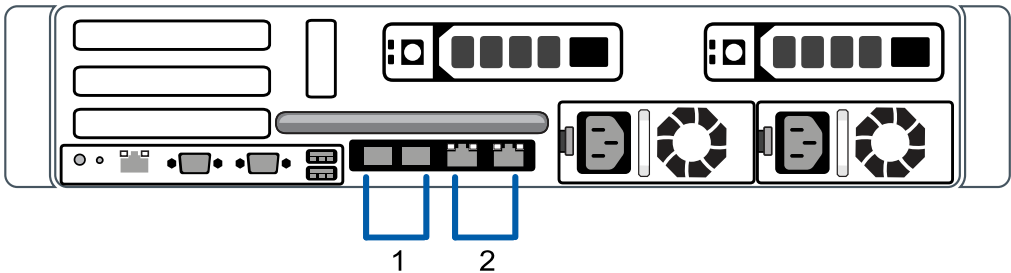
To implement this strategy, configure the NIC teaming to be switch independent, active/standby:

- Switch independent means that the NIC team is not confined to one switch and switch-side configuration is not required, allowing for a wider range of possible network topologies. In Windows Server 2016, this strategy assumes that teams will have exactly two essential NICs.
- Active/standby means that the NIC team operates with one NIC active and all other team members in standby mode. The active NIC serves all traffic for the NIC team, while those in standby mode transfer no data.

This strategy requires only configuration done in Windows.

Port Configuration

The NVR Premium has two 10GbE ports and two 1GbE ports, for a total of four NICs. The recommended server NIC teaming configuration uses two NIC teams: two 10GbE NICs in one team and two 1GbE NICs in the other team. Both teams are configured in a similar way. A sample topology using this strategy is outlined below:



NIC Team	Team Name	Network Segment
1	10GbE NIC Team	Camera Network (incoming data)
2	1GbE NIC Team	Client Network (outgoing data)

Note: Combining one or more 10GbE NICs in a team with one or more 1GbE NICs will limit the speed of the teamed 10GbE NICs to match the speed of the 1GbE NICs. A requirement for NIC teaming is that all NICs have to be of the same speed.

Failover Behavior and Limitations

Upon failure of the active NIC, network traffic will failover to the standby NIC and data transfer interruption

will be mitigated. The described NIC teaming configuration will provide redundancy in the event that a NIC fails or in the event that one NIC per connected network segment fails.

During a failover event, data transfer is taken over immediately by the standby NIC with minimal packet loss. When the active NIC resumes functioning, it carefully takes over data transfer from the standby NIC with no packet loss.

The IP address of the NIC team is shared by all team members. During a failover event, Windows Server 2016 handles the hand-off of the NIC team IP address and MAC address assignment.

The following limitations arise when using this NIC teaming configuration:

- Bandwidth aggregation is not provided.
- Failure of two NICs on one network connection will result in a network interruption.
- Only two networks can be connected to the NVR using 1GbE and 10GbE ports.
- The server will experience some packet loss during a failover event.

This NIC teaming topology is useful for providing NIC redundancy and graceful failover of network traffic in the event of a NIC failure. Other scenarios are not provided for this configuration.

Recommended Configuration Details

Use the Server Manager in Windows Server 2016 to configure the two NIC teams.

For the first NIC team, use the following configuration details when adding a new team:

Team name	10GbE NIC Team
Member adapters	NIC1. NIC2
Teaming mode	Switch Independent
Load balancing mode	Address Hash
Standby adapter	NIC2

For the second NIC team, use the following configuration details when adding a new team:

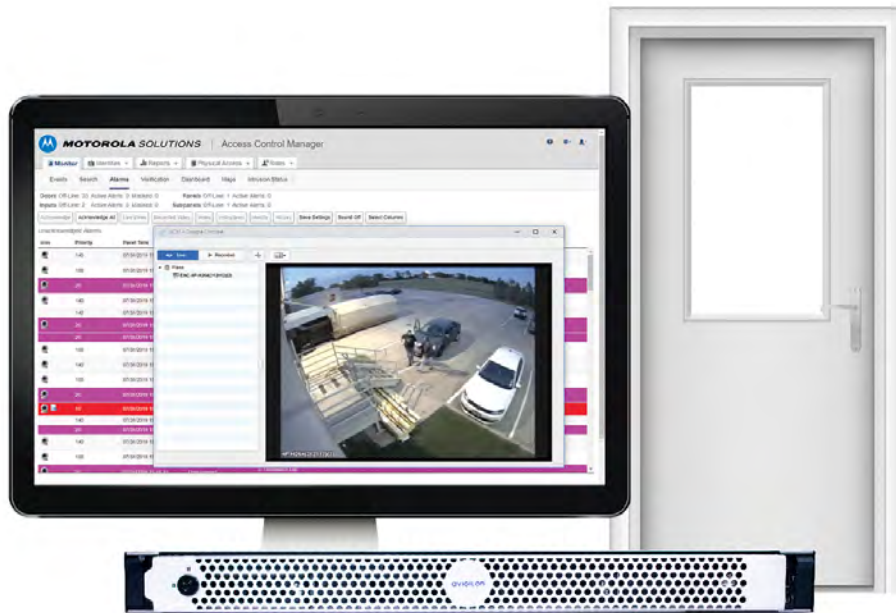
Team name	1GbE NIC Team
Member adapters	NIC3. NIC4
Teaming mode	Switch Independent
Load balancing mode	Address Hash
Standby adapter	NIC4

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Revision: 5 - EN
20210330

ACCESS CONTROL MANAGER™ 6 ENTERPRISE AND ENTERPRISE PLUS SYSTEMS

The Access Control Manager (ACM) Enterprise and Enterprise Plus systems are an IT-friendly Physical Access Control System (PACS) from Motorola Solutions for enterprise-class installations. It's a complete access solution that is designed to keep your focus on securing your people, property and assets, and maximizing your time by helping you respond immediately to alerts wherever you are. The ACM™ system is a browser-based solution that can integrate with existing IT/HR systems, minimizing the need for duplicate data entry. It comes with a full set of standard features that not only offer an intuitive and easy-to-use user interface, but will reliably safeguard your information.



FEATURES



OPEN ARCHITECTURE

Leverages open field hardware investments.



SCALABILITY

Scalable from one access door to thousands of doors per Enterprise appliance.



AUTO FAILOVER

Auto-failover capability enables seamless redundancy to keep critical security data safe.



TURNKEY SOLUTION

Powerful 1U rack mount chassis with pre-installed Access Control Manager software from Motorola Solutions.



DATA REPLICATION

Automatically synchronizes security data across all Enterprise/Enterprise Plus appliances in real-time.



EASY INTEGRATION WITH EXISTING SYSTEMS

Seamless integration with existing IT, logistical and physical security systems.

SPECIFICATIONS

SYSTEM	ENTERPRISE	ENTERPRISE PLUS
Processor	Intel® Xeon® E-2124 3.3GHz, 8M cache, 4C/4T, turbo (71W)	Intel Xeon E3-1270 v6 3.8GHz, 8M cache, 4C/8T, Turbo (72W)
Memory	1×8GB 2666MT/s DDR4 ECC UDIMM	32 GB (2 × 16GB), 2400MT/s DDR4 DIMMs, UDIMMs
Card Readers	16 - 400	16 - 2048
Inputs	5,060	10,120
Outputs	5,060	10,120
Max. Identities	250,000	500,000
Max. Controllers	1,024	1,024
Max. Simultaneous Operators	20	50
Max. Stored Events	150,000,000	150,000,000
Hard Disk Drive Configuration	1TB 7.2K RPM SATA 6Gbps 3.5in Cabled Hard Drive	4 × 480GB Solid State Drives, RAID5, 1.3TB effective storage
Transactions (60 minutes sustained)	50,000	150,000
Network Adapter Card	2 × 10/100/1000 Mbps Network Interface Controller (NIC) ports	2 × 10/100/1000 Mbps NIC ports
Remote Management	iDrac9 Basic	iDRAC 9 Enterprise

MECHANICAL		
Form Factor	1U rack-mount chassis	1U rack-mount chassis
Dimensions (HxWxD)	42.8 mm x 482.4 mm x 676.92 mm; 1.68" x 18.99" x 26.65"	42.8 mm x 482.4 mm x 677.3 mm; 1.68" x 18.99" x 26.66"
Weight	8.77 kg (19.32 lbs)	13.4 kg (29.54lb)
Cable Management	1U/2U Static Rails for 2-Post and 4-Post Racks	Dell ReadyRails Sliding Rails With Cable Management Arm

ELECTRICAL		
Power Input	90 to 264 VAC, 47-63 Hz	90 to 264 VAC, 47-63 Hz
Power Supply	Single non-redundant	Power supply redundancy: dual 350W Hot Plug
Power Consumption	250 W	350W

ENVIRONMENTAL	
Operating Temperature	10° C to 35° C (50° F to 95° F)
Storage Temperature	-40° C to 65° C (-40° F to 149° F)
Operating Humidity	10 - 80% Relative humidity (non-condensing)
Storage Humidity	5 - 95% Relative humidity (non-condensing)
Operating Vibration	0.26Grms at 5–350Hz for 15 minutes
Storage Vibration	1.88Grms at 10–500Hz for 15 minutes
Operating Shock	Six consecutively executed shock pulses in the positive and negative x, y, and z axis of 6 G for up to 11 ms.
Storage Shock	Six consecutively executed shock pulses in the positive and negative x, y, and z axis (one pulse on each side of the system) of 71 G for up to 2 ms.
Operating Altitude	-15.2 m (-50 ft) to 3048 m (10,000 ft)
Storage Altitude	-15.2 m (-50 ft) to 12,000 m (39,370 ft)

CERTIFICATIONS					
ACMA/C-Tick	BELLIS	BSMI	CE	CNCA/CCC	EAC
FCC	ICES	IECEE CB	INSM	KCC	KEBS
KSA ICCP	KUCAS	KVALITET	NEMKO	NRCS	NRTL
NYCE/NOM	OTAN-CKT	SABS	SCC	SII	SONCAP
STZ	TUV	UKRTEST/ UKRSERTCOMPUTER	VCCI		

SUPPORTED ACCESS CONTROL SOLUTIONS	SUPPORTED VIDEO INTEGRATION SOLUTIONS
HID® VertX EVO™ HID Global® HID PivCLASS® Mercury Security ASSA ABLOY Allegion Farpointe Data® EasyLobby® by HID LifeSafety Power® ViRDI Simons Voss Salto Elmdene	Avigilon Control Center™ Pelco VideoXpert® Exacq Technologies by Tyco Security Milestone Systems IndigoVision® Control Center Compass Decision Management System™

ORDERING INFORMATION

ORDERING INFORMATION	
AC-APP-16R-ENT2-6	Access Control Enterprise Appliance with 16 readers (can be upgraded to 400 readers)
AC-APP-32R-ENT2-6	Access Control Enterprise Appliance with 32 readers (can be upgraded to 400 readers)
AC-APP-64R-ENT2-6	Access Control Enterprise Appliance with 64 readers (can be upgraded to 400 readers)
AC-APP-128R-ENT2-6	Access Control Enterprise Appliance with 128 readers (can be upgraded to 400 readers)
AC-APP-256R-ENT2-6	Access Control Enterprise Appliance with 256 readers (can be upgraded to 400 readers)
AC-APP-ENT2-WARR-EXTEND-1YR	1 Year Extended Warranty for Access Control Manager Enterprise Appliance
AC-APP-ENT2-WARR-EXTEND-2YR	2 Year Extended Warranty for Access Control Manager Enterprise Appliance
AC-APP-16R-ENT-Plus-6	Access Control Enterprise Plus Appliance with 16 readers (can be upgraded to 2048 readers)
AC-APP-256R-ENT-Plus-6	Access Control Enterprise Plus Appliance with 256 readers (can be upgraded to 2048 readers)
AC-APP-512R-ENT-Plus-6	Access Control Enterprise Plus Appliance with 512 readers (can be upgraded to 2048 readers)
AC-APP-1024R-ENT-Plus-6	Access Control Enterprise Plus Appliance with 1024 readers (can be upgraded to 2048 readers)
AC-APP-2048R-ENT-Plus-6	Access Control Enterprise Plus Appliance with 2048 readers
AC-APP-ENT-PLUS-WARR-EXTEND-1YR	1 Year Extended Warranty for Access Control Manager Enterprise Plus Appliance
AC-APP-ENT-PLUS-WARR-EXTEND-2YR	2 Year Extended Warranty for Access Control Manager Enterprise Plus Appliance

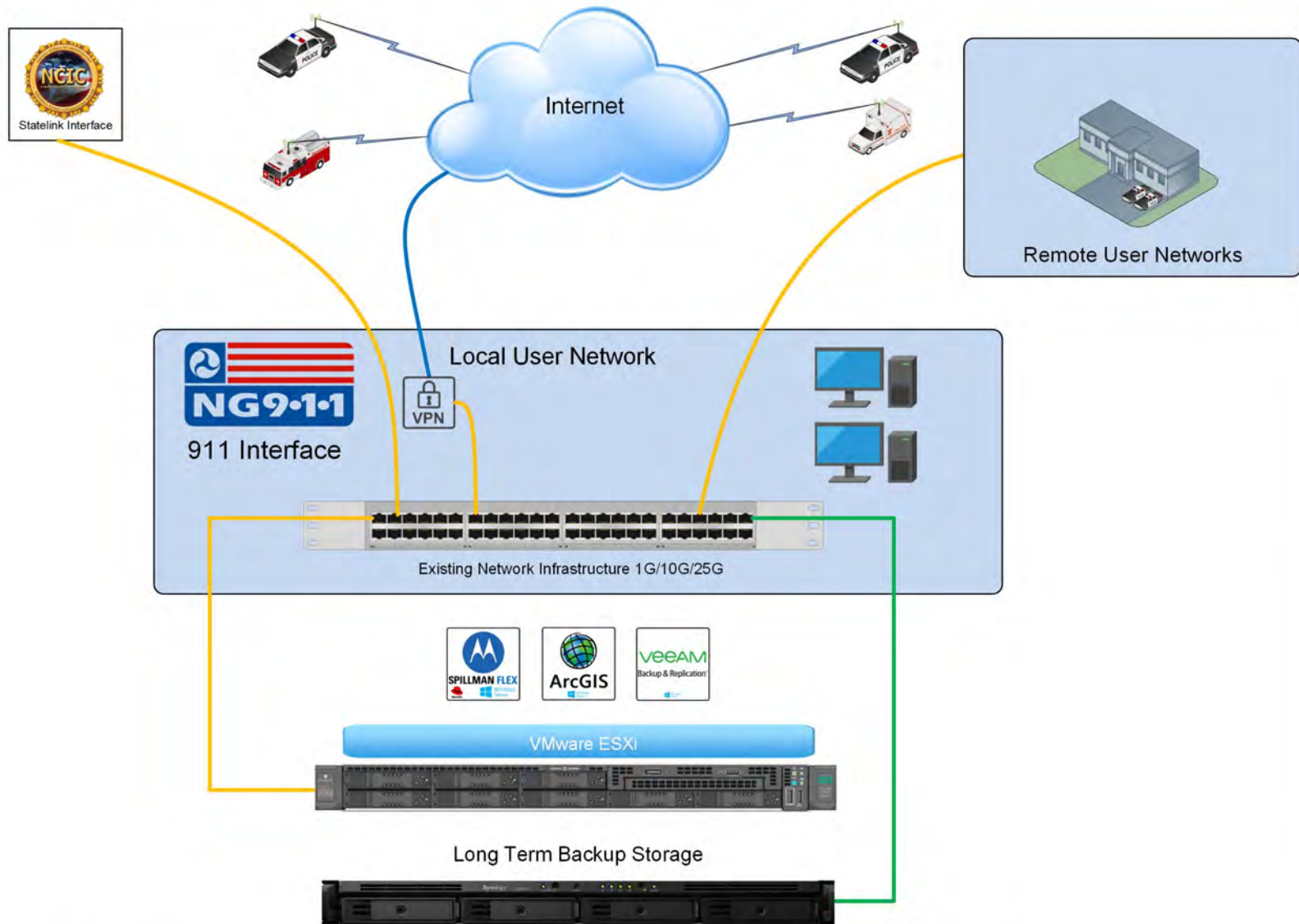
SUPPORT

Learn more and find additional documentation at avigilon.com or email sales@avigilon.com for specific product support.



Feb 2022 | Rev 8

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Title: Single Server with Veeam Backup

Author

Jared Street

Date

July 19, 2022

This solution uses a single server with local, all flash storage, combined with Veeam Backup and Replication software for data protection. An external NAS is used as a backup target, enabling long term retention of data with the ability to restore your entire VM or individual files. This architecture minimizes data loss in the event of a catastrophic failure of the server and is easily upgradeable to add offsite backups and DR capabilities. This solution is best for clients that require a complete, reliable and easy to manage solution that has been proven to work in Flex environments throughout the country.

7.2 Appendix B Huntington Park VMS Device List

Attached is the Huntington Park VMS Device List.

City Hall VMS Project

[illegible]

Drawing Page		Location Information:		Section #3- System Mgmt. & Display															NOTES:	
				(Anything in the IT Closet or workstation)																
				Avigilon, Server License	Avigilon, Camera License	ACC Enterprise Smart Plan, 1 year	NVR	SFP's	PoE Injector	Belden, Patch Panel (24 Port)	KeyConnect, Patch Panel (48-port) 2U, Black	1 Ft Patch Cable CAT6 (GREEN)	7 Ft Patch Cable CAT6 (GREEN)	Workstation	Monitor	Triplite KVM Switch/LCD	Large Display (Monitor)	Printer (single or double)	UPS	
Location Number	Description	IT Closet Location #	ACC7-ENT	ACC7-ENT	ACC-ENT-SMART-1YR	NVR5-PRM-128TB-S19-NA	NVR5-SFPPLUS-LR-A			AX103253	AX103255	C601105001	C601104007			8040-008-19				
2	17	City Hall - East Entrance		1																
1	18	City Hall - Building Inspector's Office		1																
1	19	City Hall - Lobby Stairwell		1																
1	20	City Hall - West Council Chambers		1					1											
1	21	City Hall - South Council Chambers		1																
1	22	City Hall - Corridor A		1																
1	23	City Hall - 2nd Floor Elevator Lobby		1																
1	24	City Hall - East 2nd Floor Entrance		1																
1	25	City Hall - Corridor B		1																
1	26	City Hall - SW Parking Lot		1					1											
1	27	City Hall - South Parking Lot		1					1											
1	28	City Hall - SE Corner Parking Lot		1					1											
1	29	City Hall - NE Corner Park View		1					1											
1	30	City Hall - Courthouse Open Space		1																
1	31	City Hall - IDF-1																		
1	32	City Hall - IDF-2																		
1	33	Cuty Hall - MDF	1			1	2				1	29	2			1			1	
Total Qty.			1	30	-	1	2	11	-	1	29	2	-	-	-	1	-	-	1	

				Section #1- Camera Hardware																				Section #2- Communication Hardware																							
				(Camera Type)										(Camera Accessories: Mount, Adapter, IR)										(Examples: Cable, Fiber, Enclosure, & Radio)																							
Location Information:				DESC.	360° Multisensor	270° Multisensor	Corner Mount	Dual Head	Dome (Indoor)	Dome (Indoor)	PTZ	Fish Eye	Network Horn Speaker		Ceiling Mount	Wall Mount for Multi-sensors	Wall Mount for Dual Head	Pendant Mount	Parapet Mount\	NPT Adapter for Multi-sensors	Corner Mount	Pole Mount	IR Illuminator Ring (always include PoE++ when used)	Outdoor Dome Cover for Multisensor	Junction Box for Dual Head	NPT Adapter for Dual Head	NPT adapter for 2.0C and 6.0C Cameras	Cat 6	Cat 6 (Plenum)	Cat 6 (Direct Burial)	Color Blue	Color Green	CommScope Cat6 Cable	Fiber	Radio (Point to Point)	Radio (Point to Multi-Point)	CAT5e- Ubiquiti, UISP Cable Carrier, black (per ft.)	Ubiquiti Mount	Enclosure								
Drawing Page	Location Number	Description	IT Closet Location #	MODEL #		24C-H5A-3MH	3.0C-H5A-CR2-IR	10.0C-H5DH-DO1-IR	4.0C-H6A-DO2-IR	2.0C-H6A-DO1-IR	4.0C-H6A-PTZ-DPM30	12.0W-H5A-FE-DO1-IR			WLMT-1001	WLMT-1021	H5AMH-AD-PEND1	PP350	NPTA-1001	CRNMT-1001	PLMT-1001	H4AMH-AD-IRIL	H5AMH-DO-COVR1	H5DH-DO-JBOX1	H5DH-MT-NPTA1	H6A-MT-NPTA1	51021105		WG-51101008							NBE-SAC-GEN2	USIP-CABLE-CARRIER	Quickmount	ATEIX 24X10X9 Weatherproof NEMA Enclosure								
1 2 3 1 2 3 1 2 3 2 2 2 2	46	Police Dept. - Investigations	54							1																	125																				
	47	Police Dept. - Back Stairwell A	54										1														150																				
	48	Police Dept. - Back Stairwell B	54											1													150																				
	49	Police Dept. - 2nd Floor Stairwell	54											1													150																				
	50	Police Dept. - Jail Corridor 2	54							1							1										1	125																			
	51	Police Dept - Man Gate	54			1											1	1	1	1			1	1			150																				
	52	Police Dept. - 2nd Floor Corridor 2	54										1														150																				
	53	Police Dept. - 2nd Floor Back Exit Stairwell	54							1																	150																				
	54	IDF - 1st Floor																																													
	55	NE Corner PTP Radio (Location 2)	54																									150										1		1							
Total Qty.					-	8	19	4	3	4	1	13	-	-	-	7	8	8		1	3	4	8	8	-	4	2	6,075	-	-	-	-	-	-	-	-	7	45	7	3	-	-	-				

				Section #3- System Mgmt. & Display																			NOTES:	
				(Anything in the IT Closet or workstation)																				
Location Information:				Conduit			Avigilon, Camera License	Fiber SFP Adapter	NVR	Network Switch, Cisco	Switch Power Supply	PoE Injector	Belden, Patch Panel (24 Port)	KeyConnect, Patch Panel (48-port) 2U, Black	1 Ft Patch Cable CAT6 (GREEN)	7 Ft Patch Cable CAT6 (GREEN)				Triplite KVM Switch/LCD				APC Smart UPS X Line Interactive 2000VA 2U
Drawing Page	Location Number	Description	IT Closet Location #				Unity 8-ENT	NVR5SFPPLUS-IR-LB	NVR5-PRM-432TB-S19-NA	IE-1000-8P2S-LM	PWR-IE480W-PCAC-L	POE-INJ2-95W-NA	AX103253	AX103255	C601105001	C601104007					B040-008-19			SMX2KRMLVNCUS
1 2 3 1 2 3 1 2 3 1 2 2 2 2 2	46	Police Dept. - Investigations	54				1																	
	47	Police Dept. - Back Stairwell A	54				1																	
	48	Police Dept. - Back Stairwell B	54				1																	
	49	Police Dept. - 2nd Floor Stairwell	54				1																	
	50	Police Dept. - Jail Corridor 2	54				1																	
	51	Police Dept - Man Gate	54	50			1					1												
	52	Police Dept. - 2nd Floor Corridor 2	54				1																	
	53	Police Dept. - 2nd Floor Back Exit Stairwell	54				1																	
	54	IDF - 1st Floor						2	1					1	1	51	2				1			1
	55	NE Corner PTP Radio (Location 2)	54																					
Total Qty.				125	-	-	51	2	1	1	1	5	1	1	51	2	-	-	-	1	-	-	1	

Device Layout VMS

Location Information:				Section #1- Camera Hardware																		Section #2- Communication Hardware																					
				(Camera Type)										(Camera Accessories: Mount, Adapter, IR)								(Examples: Cable, Fiber, Enclosure, & Radio)																					
				DESC.	360° Multisensor	270° Multisensor	180° Multisensor	Dual Head	Dome (Outdoor)	Dome (Indoor)	Bullet	Fish Eye	Network Horn Speaker		Ceiling Mount	Wall Mount	Recessed Mount	Pendant Mount	Parapet Mount	Corner Mount	Pole Mount	IR Illuminator Ring (always include PoE++ when used)	Outdoor Dome Cover for Multisensor	Outdoor pendant mount adapter	NPT Adapter		Cat 6	Cat 6 (Plenum)	Cat 6 (Direct Burial)	Color Blue	Color Green	CommScope Cat6 Cable	Fiber	Radio (Point to Point)	Radio (Point to Multi-Point)	CAT5e- Ubiquiti, UISP Cable Carrier, black (per ft.)		Enclosure					
Drawing Page	Location Number	Description	IT Closet Location #	MODEL #		24C-H5A-3MH									WLMT-1001		H5AMH-AD-PEND1	NPTA-1001	CRNMT-1001		H4AMH-AD-IRIL	H5AMH-DO-COVR1				51021105			WG-51101008							UISP-CABLE-CARRIER		ATEPIX 24X16X9 Weatherproof NEMA Enclosure					
5	1	Bldg 5 NW Corner				1									1		1		1		1	1				90																	
	2	Storage Building Corner				1									1		1		1		1	1				90							2		50		1						
	3	Bldg 3 SW Corner				1									1		1		1		1	1				90																	
	4	Bldg 3 SE Corner				1									1		1		1		1	1				90																	
	5	Bldg 1 NW Corner				1									1		1		1		1	1				90																	
	6	Bldg 2 SW Corner				1									1		1		1		1	1				80																	
	7	Bldg 3 NW Corner				1									1		1		1		1	1				90																	
	8	Bldg 1 SW Corner				1									1		1		1		1	1				90																	
	9	Bldg 1 Interior				1									1		1				1	1				50																	
	10	Bldg 2 South				1									1		1				1	1				80																	
	11	Bldg 2 SE Corner				1									1		1		1		1	1				80																	
	12	Bldg 3 NE Corner				1									1		1		1		1	1				90																	
	13	Bldg 4 South Multi				1									1		1				1	1				100																	
	14	Bldg 4 Talk Down Speaker											1													100																	
	15	Storage Building Center				1									1		1	1			1	1				?																	
	16	Bldg 5 NE Corner				1									1		1	1	1		1	1				90																	
	17	Bldg 5 SW Corner				1									1		1	1	1		1	1				90																	
Total Qty.					-	16	-	-	-		-	1	-	-	16	-	16	3	12	-	16	16	-	-	-	1,390	-	-	-	-	-	-	-	2	-	50	-	1	-	-	-	-	



						Section #3- System Mgmt. & Display																	NOTES:	
						(Anything in the IT Closet or workstation)																		
Location Information:				Conduit		Avigilon, Server License	Avigilon, Camera License	ACC Enterprise Smart Plan, 1 year	NVR	Network Switch	PoE Injector	Belden, Patch Panel (24 Port)	KeyConnect, Patch Panel (48-port) 2U, Black	1 Ft Patch Cable CAT6 (GREEN)	7 Ft Patch Cable CAT6 (GREEN)		Workstation	Monitor	Triplite KVM Switch/LCD	Large Display (Monitor)	Printer (single or double)	UPS		
Drawing Page	Location Number	Description	IT Closet Location #			ACC7-ENT	ACC7-ENT	ACC-ENT-SMART-1YR	AINVR-PRM-64TB-NA			AX103253	AX103255	C601105001	C601104007				B040-008-19				VA24EHE	
5	1	Bldg 5 NW Corner					1				1													
	2	Storage Building Corner		50			1				1													
	3	Bldg 3 SW Corner					1				1													
	4	Bldg 3 SE Corner					1				1													
	5	Bldg 1 NW Corner					1				1													
	6	Bldg 2 SW Corner					1				1													
	7	Bldg 3 NW Corner					1				1													
	8	Bldg 1 SW Corner					1				1													
	9	Bldg 1 Interior					1				1													
	10	Bldg 2 South					1				1													
	11	Bldg 2 SE Corner					1				1													
	12	Bldg 3 NE Corner					1																	
	13	Bldg 4 South Multi					1																	
	14	Bldg 4 Talk Down Speaker					1																	
	15	Storage Building Center					1																	
	16	Bldg 5 NE Corner					1																	
	17	Bldg 5 SW Corner					1																	
									1		1		39	2				1				1		
Total Qty.				50	-	-	17	-	1	-	11	1	-	39	2	-	-	-	1	-	-	-	1	

					Section #3- System Mgmt. & Display																	NOTES:
					(Anything in the IT Closet or workstation)																	
Location Information:						Avigilon, Server License	Avigilon, Camera License	ACC Enterprise Smart Plan, 1 year	NVR	Network Switch	PoE Injector	Belden, Patch Panel (24 Port)	KeyConnect, Patch Panel (48-port) 2U, Black	1 Ft Patch Cable CAT6 (GREEN)	7 Ft Patch Cable CAT6 (GREEN)		Workstation	Monitor	Triplite KVM Switch/LCD	Large Display (Monitor)	Printer (single or double)	UPS
Drawing Page	Location Number	Description	IT Closet Location #			Unity8-ENT		AINVR2-VAL-24TB-NA		POE-INJ2-95W-NA	AX103253	AX103255	C601105001	C601104007					B040-008-19			SMX2KRMLVNCUS
1 1 1	12	Community Center - South Talkdown Speaker	14			1							1									
	13	Community Center - South	14			1				1			1									
	14	Community Center - IDF					1				1			2					1			1
Total Qty.				-	-	13	-	1	-	2	1	-	13	2	-	-	-	-	1	-	-	1

Raul Perez Park

Total Qty.

Huntington park

Raul Perez Park



				Section #3- System Mgmt. & Display															NOTES:		
				(Anything in the IT Closet or workstation)																	
Location Information:					Avigilon, Camera License	ACC Enterprise Smart Plan, 1 year	NVR	Network Switch	95 PoE Injector	Belden, Patch Panel (24 Port)	KeyConnect, Patch Panel (48-port) 2U, Black	1 Ft Patch Cable CAT6 (GREEN)	7 Ft Patch Cable CAT6 (GREEN)		Workstation	Monitor	Triplite KVM Switch/LCD	Large Display (Monitor)		Printer (single or double)	UPS
Drawing Page	Location Number	Description	IT Closet Location #		UNITY8-ENT	ACC-ENT-SMART-1YR	AINVR-VAL-12tb-na			AX103253	AX103255	C601105001	C601104007				B040-008-19				VA24EHE
Total Qty.	1	West Entrance Camera			1			1				1									
	2	S.W Corner Mount Cam			1			1				1									
	3	S.E Corner Mount Cam			1			1				1									
	4	Under Overhang Camera			1							1									
	5	North East Camera			1			1				1									
	6	North Camera			1			1				1									
	7	Stadium Path			1			1				1									
	8	Park PTZ			1			1				1									
		IDF					1			1				2							
Total Qty.					8	-	1	7	-	1	-	8	2	-	-	-	-	-	-	-	

Huntington Park

Veterans Park

Location Information:				Section #1- Camera Hardware																		Section #2- Communication Hardware																								
				(Camera Type)										(Camera Accessories: Mount, Adapter, IR)								(Examples: Cable, Fiber, Enclosure, & Radio)																								
Drawing Page	Location Number	Description	IT Closet Location #	DESC.	360° Multisensor	270° Multisensor	PTZ	Dual Head	Dome (Outdoor)	Dome (Indoor)	Bullet	Fish Eye	Network Horn Speaker		Wall Mount for PTZ	Wall Mount for Multi Sensors	Recessed Mount	Pendant Mount	Parapet Mount	Corner Mount	Pole Mount	IR Illuminator Ring (always include PoE++ when used)	Outdoor Dome Cover for Multisensor	Outdoor pendant mount adapter				Cat 6	Cat 6 (Plenum)	Cat 6 (Direct Burial)	Color Blue	Color Green	CommScope Cat6 Cable	Fiber	Radio (Point to Point)	Radio (Point to Multi-Point)	CAT5e- Ubiquiti, UISP Cable Carrier, black (per ft.)		Enclosure					Conduit		Cradlepoint
				MODEL #		24C-H5A-3MH	2-0C-H6A-PTZ-DPM30	10-0C-H5DH-DO1-IR									WLMT-1021	WLMT-1001		H5AMH-AD-PEND1				PLMT-1001	H4AMH-AD-IRIL1	H5AMH-DO-COVR1				S1021105			WG-51101008							USIP-CABLE-CARRIER		Altelix 24x16x9 Weatherproof NEMA				
1	1	Walnut Street Dual	1				1								1						1															10		1								1
	2	Walnut Street PTZ	1			1									1						1														10											
	3	California St Multi-Sensor	2			1										1		1			1	1	1											10		1									1	
	4	California St PTZ	2				1								1						1														10											
	5	Live Oak St Multi-Sensor	3			1										1		1			1	1	1											10		1								1		
	6	Live Oak PTZ	3				1								1						1													10												
	7	Flower St Multi-Sensor	4			1										1		1			1	1	1											10		1								1		
	8	Flower St PTZ	4				1								1						1													10												
	9	Hope St Multi-Sensor	5			1											1		1		1	1	1											10		1								1		
	10	Hope St PTZ	5				1								1						1														10											
	11	Grand Ave Multi-Sensor	6			1										1		1			1	1	1												10		1								1	
	12	Grand Ave PTZ	6				1								1						1														10											
	13	OliveSt Multi-Sensor	7			1										1		1			1	1	1												10		1								1	
	14	Olive St PTZ	7				1								1						1														10											
	15	Broadway Multi-Sensor	8			1											1		1			1	1	1											10		1								1	
	16	Broadway PTZ	8				1								1							1													10											
	17	Santa Ana St Multi-Sensor	9			1											1		1			1	1	1											10		1								1	
	18	Santa Ana St PTZ	9				1								1							1													10											
Total Qty.					-	8	9	1	-	-	-	-	-	-	10	8	-	8	-	-	18	8	8	-	-	-	-	-	-	-	-	-	-	-	-	180	-	9	-	-	-	-	-	-	9	

Huntington Park

Veterans Park



				Section #3- System Mgmt. & Display																	NOTES:
				(Anything in the IT Closet or workstation)																	
Location Information:				Avigilon, Camera License	ACC Enterprise Smart Plan, 1 year	NVR	Network Switch	Switch Power Supply	PoE Injector	Belden, Patch Panel (24 Port)	KeyConnect, Patch Panel (48-port) 2U, Black	1 Ft Patch Cable CAT6 (GREEN)	7 Ft Patch Cable CAT6 (GREEN)		Workstation	Monitor	Triplite KVM Switch/LCD	Large Display (Monitor)	Printer (single or double)	UPS	
Drawing Page	Location Number	Description	IT Closet Location #	Unity8-ENT		ENVR2-PLUS-8P4-NA	IE-1000-8P25-LM	PWR-IE480W-PCAC-L	POE-IN12-95W-NA	AX103253	AX103255	C601105001	C601104007				B040-008-19				VA24EHE
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	Walnut Street Dual	1	1		1	1	1													
	2	Walnut Street PTZ	1	1																	
	3	California St Multi-Sensor	2	1		1	1	1	1												
	4	California St PTZ	2	1																	
	5	Live Oak St Multi-Sensor	3	1		1	1	1	1												
	6	Live Oak PTZ	3	1																	
	7	Flower St Multi-Sensor	4	1		1	1	1	1												
	8	Flower St PTZ	4	1																	
	9	Hope St Multi-Sensor	5	1		1	1	1	1												
	10	Hope St PTZ	5	1																	
	11	Grand Ave Multi-Sensor	6	1		1	1	1	1												
	12	Grand Ave PTZ	6	1																	
	13	OliveSt Multi-Sensor	7	1		1	1	1	1												
	14	Olive St PTZ	7	1																	
	15	Broadway Multi-Sensor	8	1		1	1	1	1												
	16	Broadway PTZ	8	1																	
	17	Santa Ana St Multi-Sensor	9	1		1	1	1	1												
	18	Santa Ana St PTZ	9	1																	
Total Qty.				18	-	9	9	9	8	-	-	-	-	-	-	-	-	-	-	-	

NOTES:

Huntington Park

Well 12

Location Information:				& Display (workstation)							NOTES:
					Workstation	Monitor	Triplite KVM Switch/LCD	Large Display (Monitor)	Printer (single or double)	UPS	
Drawing Page	Location Number	Description	IT Closet Location #				B040-008-19			SMX2KRMLVNCUS	
1 1 1	1	Well 12 - West Wall	3								
	2	Well 12 - East Wall	3								
	3	Well 12 - Inside Bldg	3				1			1	
	4										
	5										
	6										
	7										
	8										
	9										
	10										
Total Qty.							1			1	

Location Information:				Section #1- Camera Hardware														Section #2- Communication Hardware										Section #3- System Mgmt. & Display														OTE					
				(Camera Type)				(Camera Accessories: Mount, Adapter, IR)										(Examples: Cable, Fiber, Enclosure, & Radio)										(Anything in the IT Closet or workstation)																			
Drawing Page	Location Number	Description	IT Closet Location #	MODEL #	DESC.	360° Multisensor	270° Multisensor	Dual Head	Fish Eye	Network Horn Speaker		Ceiling Mount	Wall Mount	Pendant Mount	Corner Mount	Pole Mount	IR Illuminator Ring (always include PoE++ when used)	Outdoor Dome Cover for Multisensor	Outdoor pendant mount adapter	NPT Adapter		Cat 6: Color Blue Feet	Radio (Point to Multi-Point)	CAT5e- Ubiquiti, UISP Cable Carrier, black (per ft.)		Enclosure	Pole	Conduit		Avigilon, Server License	Avigilon, Camera License	ACC Enterprise Smart Plan, 1 year	NVR	Network Switch	Switch Power Supply	PoE Injector	Belden, Patch Panel (24 Port)	KeyConnect, Patch Panel (48-port) 2U, Black	1 Ft Patch Cable CAT6 (GREEN)	7 Ft Patch Cable CAT6 (GREEN)	Triplite KVM Switch/LCD	Printer (single or double)	UPS				
						9C-H5A-3MH	12.0W-H5A-FE-DO1-IR			WLMT-1001	H5AMH-AD-PEND1		PLMT-1001	H4AMH-AD-IRIL1	H5AMH-DO-COVR1												51021105		USIP-CABLE-CARRIER		Altelix 24x16x9 Weatherproof NEMA Enclosure	CP12-OMT				Unity8-ENT	ACC-ENT-SMART-1YR	ENVR2-PLUS-8P8-NA	E-1000-8P25-LM	PWR-IE480W-PCAC-L	POE-INJ2-95W-NA	AX103253	AX103255	C601105001	C601104007	B040-008-19	
1	1	Well 14 - Entrance	2			1						1	1			1	1	1				300					1		300			1				1			3	2							
	2	Well 14 - Inside Building						1														100				1					1		1	1	1				3	2							
	3	Well 14 - NE Corner Exterior	2			1						1	1			1	1	1				200					1		200			1				1											
	4																																														
	5																																														
	6																																														
	7																																														
	8																																														
	9																																														
	10																																														
Total Qty.						-	2	-	1	-	-	-	2	2	-	2	2	2	-	-	-	600	-	-	-	-	1	2	#	500	-	-	3	-	1	1		2	1	-	3	2	-	-	-		

Huntington Park

Well 15

				Section #1- Camera Hardware																		Section #2- Communication Hardware																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
				(Camera Type)									(Camera Accessories: Mount, Adapter, IR)									(Examples: Cable, Fiber, Enclosure, & Radio)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Location Information:				DESC.	360° Multisensor	270° Multisensor	180° Multisensor	Dual Head	Dome (Outdoor)	Dome (Indoor)	Bullet	Fish Eye	Network Horn Speaker		Ceiling Mount	Wall Mount	Wall Mount for Dual Head	Pendant Mount	NPT Adapter for Multi-sensors	Corner Mount	Pole Mount	IR Illuminator Ring (always include PoE++ when used)	Outdoor Dome Cover for Multisensor	Outdoor pendant mount adapter	NPT Adapter		Cat 6	Cat 6 (Plenum)	Cat 6 (Direct Burial)	Color Blue	Color Green	CommScope Cat6 Cable	Fiber	Radio (Point to Point)	Radio (Point to Multi-Point)	CAT5e- Ubiquiti, UISP Cable Carrier, black (per ft.)		Enclosure						Conduit																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				MODEL #		24C-H5A-3MH		10.0C-H5DH-DO1-IR			12.0W-H5A-FE-DO1-IR				WLMT-1001	WLMT-1021	H5AMH-AD-PEND1	NPTA-1001			H4AMH-AD-IRIL	H5AMH-DO-COVR1				51021105			WG-51101008							UISP-CABLE-CARRIER			Altelix 24x16x9 Weatherproof NEMA Enclosure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1111	Drawing Page	Location Number	Description	IT Closet Location #																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		



				Section #3- System Mgmt. & Display																	NOTES:	
				(Anything in the IT Closet or workstation)																		
Location Information:																						
Drawing Page	Location Number	Description	IT Closet Location #	Avigilon, Server License	Avigilon, Camera License	ACC Enterprise Smart Plan, 1 year	NVR	Network Switch	Switch Power Supply	PoE Injector	Belden, Patch Panel (24 Port)	KeyConnect, Patch Panel (48-port) 2U, Black	1 Ft Patch Cable CAT6 (GREEN)	7 Ft Patch Cable CAT6 (GREEN)		Workstation	Monitor	Triplite KVM Switch/LCD	Large Display (Monitor)	Printer (single or double)		UPS
1 1 1 1	1	Well 15 - East	4		1																	
	2	Well 15 - North	4		1																	
	3	Well 15 - South	4		1																	
	4	Well 15 - Interior			1		1	1	1	3	1		4	2								
	Total Qty.				-	4	-	1	1	1	3	1	-	4	2	-	-	-	-	-	-	-



Device Layout VMS

Location Information:				Section #1- Camera Hardware												Section #2- Communication Hardware								Section #3- System Mgmt. & Display												NOTES:					
				(Camera Type)				(Camera Accessories: Mount, Adapter, IR)								(Examples: Cable, Fiber, Enclosure, & Radio)								(Anything in the IT Closet or workstation)																	
				DESC.	360° Multisensor	270° Multisensor	Bullet	Fish Eye	Network Horn Speaker		Ceiling Mount	Wall Mount	Pendant Mount	NPT Adapter for Multi-sensors	Corner Mount	IR Illuminator Ring (always include PoE++ when used)	Outdoor Dome Cover for Multisensor		Cat 6		Enclosure					Conduit		Avigilon, Server License	Avigilon, Camera License	NVR	Network Switch	Switch Power Supply	PoE Injector	Belden, Patch Panel (24 Port)	KeyConnect, Patch Panel (48-port) 2U, Black		1 Ft Patch Cable CAT6 (GREEN)	7 Ft Patch Cable CAT6 (GREEN)	Triplite KVM Switch/LCD	UPS	
Drawing Page	Location Number	Description	IT Closet Location #	MODEL #		9C-H5A-3MH	8-0C-H6A-BO2-IR	12-0W-H5A-FE-DO1-IR			WLMT-1001	H5AMH-AD-PEND1	NPTA-1001	CRNMT-1001	H4AMH-AD-IRIL	H5AMH-DO-COVR1		51021105		Altelix 24x16x9 Weatherproof NEMA Enclosure							Unity8-ENT	AINVR2-VAL-12TB-NA	IE-1000-8P2S-LM	PWR-IE480W-PCAC-L	POE-INI2-95W-NA	AX103253	AX103255	C601105001	C601104007	B040-008-19	VA24EHE				
1 1 1 1	1	Well 16 - North	4				1											100									1														
	2	Well 16 - SW Corner	4			1					1	1	1	1	1	1		100									1														
	3	Well 16 - SE Corner	4			1					1	1	1	1	1	1		100									1														
	4	Well 16 - Interior						1										100		1							1	1	1	1	2	1			4	2					
Total Qty.					-	2	1	1	-	-	2	2	2	2	2	2	-	400	-	1	-	-	-	-	-	-	4	1	1		2	1	-		4	2	-	-			



Location Information:				Section #1- Camera Hardware														Section #2- Communication Hardware								Section #3- System Mgmt. & Display												NOTES:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				(Camera Type)				(Camera Accessories: Mount, Adapter, IR)										(Examples: Cable, Fiber, Enclosure, & Radio)								(Anything in the IT Closet or workstation)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Drawing Page	Location Number	Description	IT Closet Location #	MODEL #	DESC.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

Huntington Park
Bear Ave Well



Location Information:				Section #1- Camera Hardware																	Section #2- Communication Hardware							Section #3- System Mgmt. & Display														NOTES:		
				(Camera Type)				(Camera Accessories: Mount, Adapter, IR)													(Examples: Cable, Fiber, Enclosure, & Radio)							(Anything in the IT Closet or workstation)																
				DESC.	PTZ	270° Multisensor	180° Multisensor	Fish Eye	Network Horn Speaker		Ceiling Mount	Wall Mount	Wall mount for PTZ	Pendant Mount	NPT Adapter for Multi-sensors	Corner Mount	Pole Mount	IR Illuminator Ring (always include PoE++ when used)	Outdoor Dome Cover for Multisensor		Cat 6		Enclosure					Conduit			Avigilon, Server License	Avigilon, Camera License	NVR	Network Switch	Switch Power Supply	PoE Injector	Belden, Patch Panel (24 Port)	KeyConnect, Patch Panel (48-port) 2U, Black	1 Ft Patch Cable CAT6 (GREEN)	7 Ft Patch Cable CAT6 (GREEN)	Triplite KVM Switch/LCD	UPS		
Drawing Page	Location Number	Description	IT Closet Location #	MODEL #																																								
1 1 1 1 1 1 1 1 1 1 1	1	SE Exterior Multi	4			1						1		1	1		1	1	1		100											1												
	2	NE Exterior Multi	4			1						1		1	1		1	1	1		100											1												
	3	NE Exterior PTZ	4			1							1				1				100											1												
	4	Interior						1													100		1									1	1	1	3	1		5	2					
	5	SE Corner	4				1					1		1		1		1	1		100											1												
	6																																											
	7																																											
	8																																											
	9																																											
	10																																											
	Total Qty.					1	2	1	1	-	-	-	3	1	3	2	1	3	3	3	-	500	-	1	-	-	-	-	-	-	-	5	1	1	1	3	1	-	5	2	-	-		

7.3 Appendix C Huntington Park ACS Device List

Attached is the Huntington Park ACS Device List.

City Hall

[illegible]

Huntington Park

Courthouse ACS



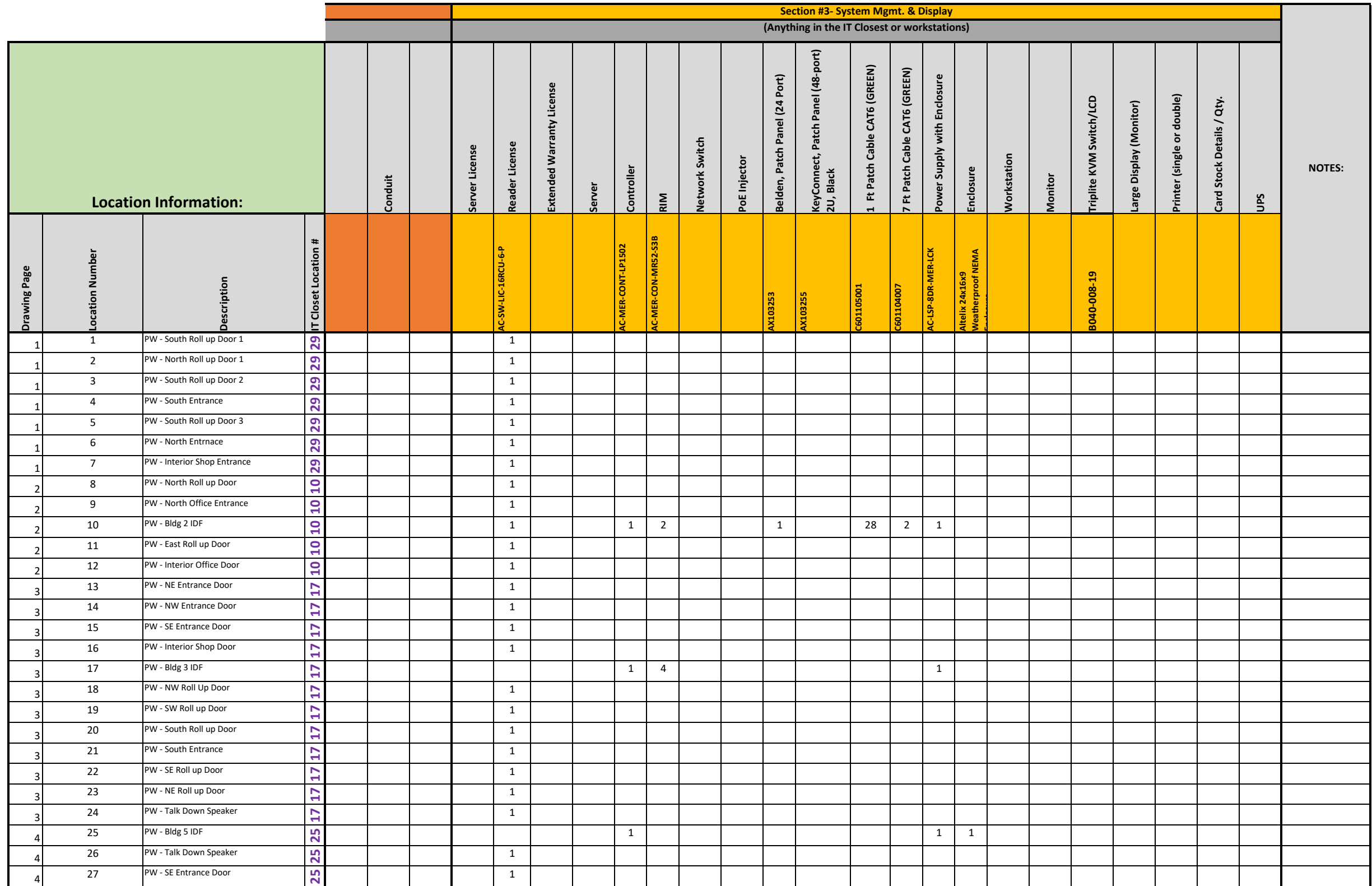
				Section #3- System Mgmt. & Display																	NOTES:	
				(Anything in the IT Closet or workstations)																		
Location Information:				Extended Warranty License	Server	Controller	RIM	Network Switch	PoE Injector	Belden, Patch Panel (24 Port)	KeyConnect, Patch Panel (48-port) 2U, Black	1 Ft Patch Cable CAT6 (GREEN)	7 Ft Patch Cable CAT6 (GREEN)	Power Supply with Enclosure	Enclosure	Workstation	Monitor	Triplite KVM Switch/LCD	Large Display (Monitor)	Printer (single or double)		Card Stock Details / Qty.
Drawing Page	Location Number	Description	IT Closet Location #			AC-MER-CONT-LP1502	AC-MER-CON-MRS2-S3B			AX109253	AX109255	C601105001	C601104007	FP0150/250-2C82D8PE8M2				8040-008-19				
1	1	West Entrance (Westside)	7																			
1	2	North Entrance	7																			A2Z
1	3	Basement Stairwell	7																			
1	4	SW Exterior Entrance (Westside)	7																			
1	5	South Entrance	6																			
1	6	IDF-1				1	1							1								
1	7	IDF-2				1	4							1								
1	8	SE Exterior Entrance (Eastside)	6																			
1	9	NE Exterior Entrance (Eastside)	7																			
1	10	NE Exterior Entrance (Northside)	6																			
1	11	NW Exterior Entrance (Northside)	7																			
1	12	Open Space Door	7																			
3	13	Basement Exterior	7																			
2	14	2nd Flr West Entrance	7																			
2	15	2nd Flr East Entrance	6																			
1	16	NW Exterior Entrance (Westside)	7																			
Total Qty.				-	-	2	5	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-

Location Information:				Section #1- Door Hardware																		Section #2- Communication Hardware																		
				(ACS devices at or near the door)								(Locksmith devices at or near the door)												(Examples: Cable, Fiber, Enclosure, and Radio)																
Drawing Page	Location Number	Description	IT Closet Location #	DESC.	Tarvos RFID Reader Kit	Signo 40 Keypad Reader (Pin & Prox)	Signo 20 Keypad Reader (Pin & Prox) Mullion	Door Contact (Recessed)	Door Contact (Surface)	Motion Detector (REX)	Door Release Button	Panic Button	Intercom	HES, Electric Strike (for cylindrical lockset)	Surface Mounted Electric Strike (SES)	Elec. Lever (EL)	Elec. Mortise Lock (EM)	Mag-Lock	Mag-Lock for Cells	Elec. Panic Bar RETROFIT KIT	Locksmithing, Schlage, SPARTA LEVER, Storeroom Func., Satin	Hinge Closer	Door Closer	Locksmithing, Filler Plate, 2-1/4"X1 1/8" (Prime Coated)	Locksmithing, Schlage FSIC,CORE ONLY, S145 KWY,US26D	Armored Cable	Transfer Hinge	18awg x 2 Conductor (per ft.)	18awg x 4 Conductor (per ft.)	18awg x 6 Conductor (per ft.)	CAT6	CAT6 (Plenum)	CAT6 (Direct Burial)	Cable Color Blue	Cable Color Green	Bannana Cable- Access Control Cable, Plenum-CMP, 3-22 AWG pairs, 4-18 AWG, 4-22 AWG, & 2-22 AWG conductors		Fiber		
					MODEL #																																			
					ST200W	HID, 40NKS00-000000-AVG	HID, 20NKS00-000000-AVG	GRI:120T-12-W		DS150i	EEB2			310-4-24D-630				1200D	SDC, 1511VD			CS319103		CS813303	CS422285	CS511684								Genesis_Cable:51021105				Belden:658AFJ 0041000		
2	24	Police Dept - 2nd Floor Detective's Office A				1	1																														150			
2	25	Police Dept - 2nd Floor Detective's Office B				1	1																														150			
2	26	Police Dept - 2nd Floor Detective's Office C				1	1																														150			
2	27	Police Dept - Extrior 2nd Floor Detective Office Entrance				1	1		1																												200			
2	28	Police Dept - 2nd Floor Detective's Office D				1																															150			
2	29	Police Dept - Evidence Room A				1	1		1					1								1			1												150			
2	30	Police Dept - Training Room				1																															150			
2	31	Police Dept - Storage				1																															150			
2	32	Police Dept -				1																															150			
2	33	Police Dept -				1	1																														150			
2	34	Police Dept -				1	1		1																												150			
2	35	Police Dept -				1																															150			
2	36	Police Dept -				1																															150			
2	37	Police Dept -				1																															150			
2	38	Police Dept -				1	1		1					1								1			1												150			
3	39	Police Dept -				2								1									1														150			
3	40	Police Dept - Gate Entrance				2		1																				200									200			
3	41	Police Dept - Vehicle Entrance			1	1							1																								200			
2	42	Police Dept -				1	1							1																							180			
Total Qty.					1	17		25	1	16	2	-	2	17	-	-	-	2	2	-	12		10	2	12	-	2	-	-	-	-	-	325	-	-	-	6,030	-	-	

				Section #3- System Mgmt. & Display																							NOTES:					
				(Anything in the IT Closet or workstations)																												
Location Information:					Radio (Point to Point)	Radio (Point to Multi-Point)	CAT5e- Ubiquiti, UISP Cable Carrier, black (per ft.)	Conduit		Server License	Reader License	Extended Warranty License	Server	Controller	RIM	Network Switch	PoE Injector	Belden, Patch Panel (24 Port)	KeyConnect, Patch Panel (48-port) 2U, Black	1 Ft Patch Cable CAT6 (GREEN)	7 Ft Patch Cable CAT6 (GREEN)	LifeSafety, Power Supply for Card Access and Lock Power (MAIN)	Power Supply for Cell Mag-Locks	Workstation	Zenith, Clear UHF headlamp tag	Triplite KVM Switch/LCD		Large Display (Monitor)	Printer (single or double)	Card Stock Details / Qty.	UPS	
Drawing Page	Location Number	Description	IT Closet Location #				UISP-CABLE-CARRIER			AC-SW-LIC-16RCU-6-P			LP-1502	MR52-S3				AX103253	AX103255	C601105001	C601104007	FP0150/250-2C82D8PEBM2			SZ-UMT-002							
	24	Police Dept - 2nd Floor Detective's Office A								1																					Use existing electrified door HW	
2	25	Police Dept - 2nd Floor Detective's Office B								1																					Use existing electrified door HW	
2	26	Police Dept - 2nd Floor Detective's Office C								1																					Use existing electrified door HW	
2	27	Police Dept - Extrior 2nd Floor Detective Office Entrance								1																						
2	28	Police Dept - 2nd Floor Detective's Office D								1																					Use existing electrified door HW	
2	29	Police Dept - Evidence Room A								1																						
2	30	Police Dept - Training Room								1																					Use existing electrified door HW	
2	31	Police Dept - Storage								1																					Use existing electrified door HW	
2	32	Police Dept -								1																					Use existing electrified door HW	
2	33	Police Dept -								1																					Use existing electrified door HW	
2	34	Police Dept -								1																					Use existing electrified door HW	
2	35	Police Dept -								1																						
2	36	Police Dept -								1																						
2	37	Police Dept -								1																						
2	38	Police Dept -								1																					Relocate Reader to RH Side pull new cables	
3	39	Police Dept -								2																					Heavy Duty Door Closer	
3	40	Police Dept - Gate Entrance								1																						
3	41	Police Dept - Vehicle Entrance								2																						
2	42	Police Dept -								1																					Use existing electrified door HW	
Total Qty.				-	-	-	-	-	-	1	45	-	1	1	20	-	-	-	1	41	2	1	-	-	100	-	-	-	-	-	-	

				Section #1- Door Hardware																		Section #2- Communication Hardware															
				(ACS devices at or near the door)							(Locksmith devices at or near the door)											(Examples: Cable, Fiber, Enclosure, and Radio)															
Location Information:				DESC.	Reader (Prox)	Keypad Reader (Pin & Prox)	Door Contact (Recessed)	Door Contact (Surface)	Motion Detector (REX)	Door Release Button	Panic Button	Intercom	Elec. Strike (ES)	Surface Mounted Electric Strike (SES)	Elec. Lever (EL)	Elec. Mortise Lock (EM)	Mag-Lock	Elec. Panic Bar	Elec. Panic Bar RETROFIT KIT	Lever (Storeroom Func.)	Door Closer	Cover Plates	Key-Way	Armored Cable	Transfer Hinge	18awg x 2 Conductor (per ft.)	18awg x 4 Conductor (per ft.)	18awg x 6 Conductor (per ft.)	CAT6	CAT6 (Plenum)	CAT6 (Direct Burial)	Cable Color Blue	Cable Color Green	Bannana Cable- Access Control Cable, Plenum-CMP, 3-22 AWG pairs, 4-18 AWG, 4-22 AWG, & 2-22 AWG conductors		Fiber	
Drawing Page	Location Number	Description	IT Closet Location #	MODEL #		HID_40NKS00-000000-AVG	GRI120T-12-W	SN-CMET-4418	DS150i			ACC-SPEAKER	310-4-24D-630								CS319103	CS813303															
2	28	PW - Talk Down Speaker	10																																		
1	29	PW Bldg 1 IDF																																			
Total Qty.					-	23	17	5	10	-	-	2	11	-	-	-	-	-	-	-	11	3	-	-	-	-	-	-	-	150	-	-		1,990	-	-	

Public Works



				Section #3- System Mgmt. & Display																				NOTES:				
				(Anything in the IT Closet or workstations)																								
Location Information:					Conduit		Server License	Reader License	Extended Warranty License	Server	Controller	RIM	Network Switch	PoE Injector	Belden, Patch Panel (24 Port)	KeyConnect, Patch Panel (48-port 2U, Black	1 Ft Patch Cable CAT6 (GREEN)	7 Ft Patch Cable CAT6 (GREEN)	Power Supply with Enclosure	Enclosure	Workstation	Monitor	Triplite KVM Switch/LCD		Large Display (Monitor)	Printer (single or double)	Card Stock Details / Qty.	UPS
Drawing Page	Location Number	Description	IT Closet Location #				AC-SW-LIC-16RCU-6-P	1			AC-MER-CONT-LP1502	AC-MER-CON-MR52-53B				AX103253	AX103255	C601105001	C601104007	AC-LSP-8DR-MER-LCK	Altelix 24x16x9 Weatherproof NEMA 3R Enclosure			B040-008-19				
2	28	PW - Talk Down Speaker	10																									
1	29	PW Bldg 1 IDF									1	3								1								
Total Qty.				-	-	-	-	26	-	-	4	9	-	-	1	-	28	2	4	1	-	-	-	-	-	-	-	-

Huntington Park

Community/Frank Park

[illegible]

Raul Perez Park

[illegible]

Huntington Park

Salt Lake Park



				Section #3- System Mgmt. & Display																		NOTES:
				(Anything in the IT Closet or workstations)																		
Location Information:				Extended Warranty License	Server	Controller	RIM	Network Switch	PoE Injector	Belden, Patch Panel (24 Port)	KeyConnect, Patch Panel (48-port) 2U, Black	1 Ft Patch Cable CAT6 (GREEN)	7 Ft Patch Cable CAT6 (GREEN)	Power Supply with Enclosure	Enclosure	Workstation	Monitor	Triplite KVM Switch/LCD	Large Display (Monitor)	Printer (single or double)	Card Stock Details / Qty.	
Drawing Page	Location Number	Description	IT Closet Location #							AX103253	AX103255	C601105001	C601104007					B040-008-19				
1	1	Fitness Center/Gym Entrance																				
1	2	Main Entrance																				
1	3	Kitchen Entrance																				
1	4	West Entrance																				
1	5	MDF			1	3	5			1		5	2	1								
Total Qty.				-	1	3	5	-	-	1	-	5	2	1	-	-	-	-	-	-	-	-

NOTES:



COHP Avigilon Camera System and Door Access System Citywide

QUOTE #002034 V1



PREPARED FOR

City of Huntington Park

Rick Reyes
rreyes@hpcg.gov

PREPARED BY

LAN WAN Enterprise IT Solutions

Sales Department
sales@lanwane.com



Summary Page

Good morning Rick,

I hope my message find you well, although we provided you with a proposal from LanWan for the Door Access and the Cameras, attached is a version of the proposal that includes the full CMAS contract details required by the State for CMAS awarding. We noticed that the City of Huntington Park has the same attorney firm as the City of Lynwood and just so you know , in the past the, the law firm has asked us to provide the CMAS details from the beginning therefore we decided to send you the proposal containing those details. Please see attachment our proposal with full CMAS details and itemization with state agreements (Attached in Email) as required by CMAS guidelines.

Please note that we are using the exact same template that Alvarez-Glasman & Colvin Law Firm recently asked us to use for contract that were recently awarded by the city of City of Lynwood through CMAS, please note Austin and Noel were the point of contact through that process in Lynwood.

Again thank you for thinking of us and for the opportunity to provide a proposal.

Price Summary

PROJECT	List Price	Completion
*AVIGILON VIDEO MANAGEMENT SOLUTION (HARDWARE/ SOFTWARE/ SERVICES)	\$1,397,917.80	7 Months
**AVIGILON DOOR ACCESS CONTROL SOLUTION (HARDWARE/ SOFTWARE/ SERVICES)	\$496,029.40	5 Months
Shipping	\$2,500.00	
Estimated Sales Taxes	\$72,000.00	

* Breakdown of Camera Video items, including CMAS agreement numbers, begins on page 6.

** Breakdown of Door Access items, including CMAS agreement numbers, begins on page 15.



Product Warranty

Product Line ▼	Warranty Period ▼
All Cameras	5 Years
Cameras NVR	3 Years
Access Control Readers	2 years
Access Control Panels	3 years
Software	Unity 8.0
#Maintenance and Support	3 Years Covered

Maintenance and Support : To ensure your camera and door access systems operate at peak performance, it's important to have a robust maintenance and support agreement in place. At LAN WAN Enterprise, we are committed to providing comprehensive support, including the first three years free of charge. Here are five essential elements that should be included in the agreement:

1. Regular System Inspections and Preventive Maintenance:

- Schedule of routine inspections and maintenance to ensure cameras and access control systems are functioning optimally, including cleaning, firmware updates, and hardware checks.

2. 24/7 Technical Support and Emergency Services:

- Availability of round-the-clock technical support for troubleshooting and resolving any issues, as well as emergency services for critical system failures.

3. Warranty and Replacement Coverage:

- Clear terms outlining the warranty period for hardware, including coverage for repair or replacement of faulty components.

4. Software Updates and Licenses:

- Provision for regular software updates, including security patches, new features, and renewal of any necessary licenses to keep the systems secure and up to date.

5. Response Time and Service Level Agreements (SLAs):

- All service tickets are guaranteed a response time of 1-2 hours, with a resolution time of less than 4 hours, unless it's a hardware issue. In cases of hardware failure, we will initiate the RMA process and ensure the shipment of a new device as quickly as possible to minimize downtime.



Door Access System Installation Sites

- Huntington Park Town Hall
- Huntington Park Police Department
- Huntington Park Court House
- Huntington Park Public Works
- Frank Park Community Center
- Raul Perez Park
- Salt Lake Park

Camera System Installation Sites

- Huntington Park Town Hall
- Huntington Park Police Department
- Huntington Park Court House
- Huntington Park Public Works
- Frank Park Community Center
- Raul Perez Park
- Salt Lake Park
- Veterans Park
- Well Site 12
- Well Site 14
- Well Site 15
- Well Site 16
- Well Site 17
- Bear Ave Well

Main: 949-955-2451
Email: sales@lanwane.com
Web: www.lanwane.com



LAN WAN
Enterprise
IT Solutions





Camera System - Hardware

Description		Price	Qty	Ext. Price
Avigilon Cameras Management Solution				
2x 5MP H5A Dual Head Camera. Outdoor camera with built-in IR CMAS Contract# 3-24-01-1003		\$1,362.00	18	\$24,516.00
12.0 MP, Fisheye Dome Camera, Day/Night, WDR, 1.6mm f/2.0, Next-Generation Analytics, Integrated IR CMAS Contract# 3-24-01-1003		\$998.65	25	\$24,966.25
H5A, 2MP 40x Pendant PTZ Dome CMAS Contract# 3-24-01-1003		\$2,345.75	1	\$2,345.75
2MP H6A Outdoor IR Dome Camera with 2.8-12mm Lens CMAS Contract# 3-24-01-1003		\$869.85	7	\$6,088.95
3X8MP, WDR, 270 degree max field of view, Lightcatcher, 3.3-5.7MM, Camera Only CMAS Contract# 3-24-01-1003		\$1,987.40	62	\$123,218.80
Avigilon H5A Corner Camera, 2.3mm Fixed Lens, 3 MP, White Steel CMAS Contract# 3-24-01-1003		\$1,098.45	19	\$20,870.55
4MP H6A Outdoor IR Dome Camera with 10.9-29mm Lens CMAS Contract# 3-24-01-1003		\$1,139.65	3	\$3,418.95
CAM, H6A PTZ, Pendant, 4MP, 30X Non specific Price (NSP)		\$2,183.00	1	\$2,183.00
6MP H6A Outdoor IR Dome Camera with 4.4-9.3mm Lens CMAS Contract# 3-24-01-1003		\$1,214.00	27	\$32,778.00
8MP H6A Bullet IR Camera with 31x Zoom CMAS Contract# 3-24-01-1003		\$1,412.00	1	\$1,412.00



Camera System - Hardware

Description	Price	Qty	Ext. Price
3X3MP, WDR, 270 degree max field of view, Lightcatcher, 3.3-5.7MM, Camera Only CMAS Contract# 3-24-01-1003	\$1,475.00	7	\$10,325.00
H6A PTZ, Pendant, 2MP, 30X CMAS Contract# 3-24-01-1003	\$2,065.00	12	\$24,780.00
3.0MP, H4 Video Intercom, WDR, LightCatcher, Day/Night, 1.83mm f/2.4, Integrated IR, Recessed Mount CMAS Contract# 3-24-01-1003	\$985.50	7	\$6,898.50
ACCESSORIES			
IP Horn Speaker that integrates with ACC Non specific Price (NSP)	\$424.80	2	\$849.60
POLE MOUNT CMAS Contract# 3-24-01-1003	\$185.75	32	\$5,944.00
Optional IR illuminator ring, up to 30m (100ft), for use with H4AMH-DO-COVR1. CMAS Contract# 3-24-01-1003	\$299.65	73	\$21,874.45
Outdoor surface mount adapter. For use with the Avigilon H5A Multisensor Non specific Price (NSP)	\$117.58	1	\$117.58
Outdoor pendant mount adapter. For use with the Avigilon H5 CMAS Contract# 3-24-01-1003	\$117.58	73	\$8,583.34
Dome bubble and cover, for outdoor surface mount or pendant mount, clear. For use with the Avigilon H5A Multisensor CMAS Contract# 3-24-01-1003	\$117.58	73	\$8,583.34
Junction Box for H5A Dual Head Camera Non specific Price (NSP)	\$62.66	8	\$501.28



Camera System - Hardware

Description	Price	Qty	Ext. Price
Pendant adapter for the H5A Dual Head camera. Also compatible with an optional wall arm, CM-MT-WALL1. Non specific Price (NSP)	\$41.77	8	\$334.16
Pendant adapter, NPT, H6A Non specific Price (NSP)	\$35.40	10	\$354.00
POLE MOUNT FOR LRGE PENDT WLMT-1001 Non specific Price (NSP)	\$67.85	32	\$2,171.20
Gigabit 802.3bt 60W PoE Injector, Indoor, single port Non specific Price (NSP)	\$106.52	1	\$106.52
Mount, Pendant Arm, 20cm Long, 1.5 NPT CMAS Contract# 3-24-01-1003	\$75.65	34	\$2,572.10
1.5 inch NPT Adapter for Large Pendant Mount Camera Non specific Price (NSP)	\$38.75	21	\$813.75
Wall Mount for cameras CMAS Contract# 3-24-01-1003	\$71.58	72	\$5,153.76
Safety Relay for H4 Video Intercom CMAS Contract# 3-24-01-1003	\$110.50	7	\$773.50
STORAGE			
AI NVR Premium, 64TB, NA CMAS Contract# 3-24-01-1003	\$26,733.00	1	\$26,733.00
AI NVR 2 Value 12TB, 1U Rack Mount, Avigilon Hardened OS, NA CMAS Contract# 3-24-01-1003	\$4,865.70	2	\$9,731.40
AI NVR 2 Value 16TB, 1U Rack Mount, Avigilon Hardened OS, NA CMAS Contract# 3-24-01-1003	\$6,245.50	1	\$6,245.50
AI NVR 2 Value 24TB, 1U Rack Mount, Avigilon Hardened OS, NA	\$8,765.00	1	\$8,765.00
ENVR2 PLUS 4 TB with Avigilon Control Center, NA Power Cord CMAS Contract# 3-24-01-1003	\$1,244.90	9	\$11,204.10



Camera System - Hardware

Description	Price	Qty	Ext. Price
ENVR2 PLUS 8 TB with Avigilon Control Center, NA Power Cord CMAS Contract# 3-24-01-1003	\$1,988.50	3	\$5,965.50
NVR PRM FORM D 128TB 2U Rack Mnt 5Y Onsite CMAS Contract# 3-24-01-1003	\$32,422.27	1	\$32,422.27
NVR6 PRM PLUS FORM H 440 TB 2U Rack Mnt, WS22, 5Y Onsite 4HMC, NA CMAS Contract# 3-24-01-1003	\$95,559.35	1	\$95,559.35
NETWORKING			
Indoor singe Port PoE Injector Gigabit, CMAS Contract# 3-22-03-1083	\$278.49	25	\$6,962.25
C2G 1000ft Cat6 Bulk Ethernet Cable - In-Wall CM-Rated - Stranded - Blue - Category 6 for Network Device - Patch Cable - 1000 ft - Bare Wire - Bare Wire - Blue CMAS Contract# 3-23-05-1052	\$280.00	10	\$2,800.00
Subtotal:			\$548,922.70



Camera System - Licenses

Description	Price	Qty	Ext. Price
Unity Enterprise camera channel CMAS Contract# 3-24-01-1003	\$215.85	186	\$40,148.10
Subtotal:			\$40,148.10

Labor Services-Camera System

Description	Price	Qty	Ext. Price
Camera System - Non-Public Works Scope- Information Technology Services CMAS Contract# 3-22-10-1022			
Labor - Project Services	\$708,962.00	1	\$708,962.00



Labor Services-Camera System

Description	Price	Qty	Ext. Price
<p>Labor - Project Services CMAS Contract# 3-22-10-1022</p> <p>Project Overview:</p> <p>PROJECT DESCRIPTION</p> <p>VIDEO SECURITY SYSTEM INSTALLATION</p> <p>This project involves the installation of a comprehensive video security system across multiple sites in Huntington Park, including town halls, police departments, courthouses, public works, and various parks. The project will be divided into eight phases (P1–P8), each detailing critical tasks and milestones to ensure a successful deployment.</p> <hr/> <p>PROJECT PHASES</p> <p>P1: Project Kickoff and Initial Planning</p> <ul style="list-style-type: none">• Conduct a project kickoff meeting with stakeholders to outline project goals, timelines, and responsibilities.• Develop a detailed project plan, including key milestones and deliverables.• Finalize project scope and align with client expectations. <p>P2: Site Survey and Assessment</p> <ul style="list-style-type: none">• Conduct a thorough site survey of each location to assess the existing infrastructure and identify any potential challenges.• Document the site conditions, including electrical and network requirements, to ensure proper installation.• Prepare a detailed report of findings and necessary preparations. <p>P3: System Design and Bill of Materials (BOM) Finalization</p> <ul style="list-style-type: none">• Finalize the system design based on site survey findings.• Create a detailed Bill of Materials (BOM) specifying all required hardware, software, and services.• Review and approve BOM with the client before proceeding with procurement. <p>P4: Procurement of Equipment</p> <ul style="list-style-type: none">• Order all necessary hardware and software as outlined in the BOM.• Coordinate with vendors to ensure timely delivery of equipment to the project site.			



Labor Services-Camera System

Description	Price	Qty	Ext. Price
<ul style="list-style-type: none"> • Verify all received items meet the specifications and quantities listed in the BOM. 			
P5: Infrastructure Preparation <ul style="list-style-type: none"> • Prepare the infrastructure at each site to support the new video security system. • Install necessary cabling, power supplies, and network equipment to ensure seamless integration. • Conduct preliminary tests to verify infrastructure readiness for system installation. 			
P7: System Integration and Configuration <ul style="list-style-type: none"> • Integrate the installed cameras and access control systems with the Avigilon HD Video Infrastructure. • Configure the system to meet the client's operational requirements, including video retention policies and user access levels. • Conduct a full system test to ensure all components function as expected. 			
P8: Project Handover, Training, and Go-Live <ul style="list-style-type: none"> • Conduct a final walkthrough with the client to review the installation and address any concerns. • Provide training to the client's staff on system operation and maintenance. • Officially hand over the system and documentation to the client. • Monitor the system during the initial go-live period to ensure optimal performance and resolve any issues promptly. 			
Sites Cameras will be installed <ul style="list-style-type: none"> • Huntington Park Town Hall • Huntington Park Police Department • Huntington Park Court House • Huntington Park Public Works • Frank Park Community Center • Raul Perez Park • Salt Lake Park • Veterans Park • Well Site 12 • Well Site 14 • Well Site 15 			



Labor Services-Camera System

Description	Price	Qty	Ext. Price																																																																					
<ul style="list-style-type: none">Well Site 16Well Site 17Bear Ave Well <p>Timeline : 7 Months</p> <table><tr><th>Job Role</th><th></th><th>Rate</th></tr><tr><td>IT Program Manager - Contractor Site</td><td></td><td>\$230.00</td></tr><tr><td>Software / Network Engineer II - Contractor Site</td><td></td><td>\$192.00</td></tr><tr><td>Software / Network Engineer III</td><td></td><td>\$245.00</td></tr><tr><td>Subject Matter Expert II</td><td></td><td>\$245.00</td></tr><tr><td>Systems Analyst IV</td><td></td><td>\$195.00</td></tr><tr><td>Subject Matter Expert III -</td><td></td><td>\$320.00</td></tr><tr><td>Systems Analyst IV</td><td></td><td>\$195.00</td></tr><tr><td>Subject Matter Expert III -</td><td></td><td>\$320.00</td></tr><tr><td>Systems Administrator II - Contractor Site</td><td></td><td>\$220.00</td></tr><tr><td>Computer Security Specialist III</td><td></td><td>\$235.00</td></tr></table> <table><tr><th colspan="4">P1: Project Kickoff and Initial Planning</th></tr><tr><th></th><th>Hrs</th><th>Rate</th><th>Total</th></tr><tr><td>Project manager</td><td>1100</td><td>\$230.00</td><td>25,300</td></tr><tr><td>Network Engineer</td><td>750</td><td>\$192.00</td><td>14,400</td></tr><tr><td>Subject Matter Expert III -</td><td>2250</td><td>\$320.00</td><td>71,840</td></tr><tr><th colspan="4">P2: Site Survey and Assessment</th></tr><tr><td>Software / Network Engineer II</td><td>560</td><td>\$192.00</td><td>10,752</td></tr><tr><td>Subject Matter Expert III</td><td>950</td><td>\$320.00</td><td>30,400</td></tr><tr><th colspan="4">P3: System Design and (BOM)</th></tr></table>	Job Role		Rate	IT Program Manager - Contractor Site		\$230.00	Software / Network Engineer II - Contractor Site		\$192.00	Software / Network Engineer III		\$245.00	Subject Matter Expert II		\$245.00	Systems Analyst IV		\$195.00	Subject Matter Expert III -		\$320.00	Systems Analyst IV		\$195.00	Subject Matter Expert III -		\$320.00	Systems Administrator II - Contractor Site		\$220.00	Computer Security Specialist III		\$235.00	P1: Project Kickoff and Initial Planning					Hrs	Rate	Total	Project manager	1100	\$230.00	25,300	Network Engineer	750	\$192.00	14,400	Subject Matter Expert III -	2250	\$320.00	71,840	P2: Site Survey and Assessment				Software / Network Engineer II	560	\$192.00	10,752	Subject Matter Expert III	950	\$320.00	30,400	P3: System Design and (BOM)						
Job Role		Rate																																																																						
IT Program Manager - Contractor Site		\$230.00																																																																						
Software / Network Engineer II - Contractor Site		\$192.00																																																																						
Software / Network Engineer III		\$245.00																																																																						
Subject Matter Expert II		\$245.00																																																																						
Systems Analyst IV		\$195.00																																																																						
Subject Matter Expert III -		\$320.00																																																																						
Systems Analyst IV		\$195.00																																																																						
Subject Matter Expert III -		\$320.00																																																																						
Systems Administrator II - Contractor Site		\$220.00																																																																						
Computer Security Specialist III		\$235.00																																																																						
P1: Project Kickoff and Initial Planning																																																																								
	Hrs	Rate	Total																																																																					
Project manager	1100	\$230.00	25,300																																																																					
Network Engineer	750	\$192.00	14,400																																																																					
Subject Matter Expert III -	2250	\$320.00	71,840																																																																					
P2: Site Survey and Assessment																																																																								
Software / Network Engineer II	560	\$192.00	10,752																																																																					
Subject Matter Expert III	950	\$320.00	30,400																																																																					
P3: System Design and (BOM)																																																																								



Labor Services-Camera System

Description				Price	Qty	Ext. Price
Finalization						
Project manager	75	\$230.00	17,250			
Software / Network Engineer II	85	\$192.00	16,320			
P4: Procurement of Equipment						
Project manager	60	\$230.00	13,800			
P5: Preparation						
Subject Matter Expert III	187	\$320.00	59,840			
Systems Analyst IV	68	\$195.00	13,260			
Software / Network Engineer III	218	\$245.00	53,410			
Level1 Technician (Multiple Man power)	328	\$220.00	72,160			
User Experience Designer	79	\$195.00	15,405			
P7: System Integration and Configuration						
Subject Matter Expert III	320	\$320.00	102,400			
Software / Network Engineer III	276	\$245.00	67,620			
P8: Project Handover, Training, and Go-Live						
Computer Security Specialist III	145	\$245.00	35,525			
Subject Matter Expert III -	279	\$320.00	89,280			
• Total non-Public works Cost:						708,962



Labor Services-Camera System

Description	Price	Qty	Ext. Price																												
Camera System Public Works - Labor in accordance with CMAS Public Contract Code(PCC)\$ 1101. We are aware of the requirements of Labor Code Sections 1720 et seq. and 1770 et seq., as well as California Code of Regulations, Title 8, Section 16000 et seq. ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on certain "public works" and "maintenance" projects. Since the work covered by this Agreement involves an applicable "public works" or "maintenance" project, as defined by the Prevailing Wage Laws, and since the total compensation is \$1,000 or more, Contractor agrees to fully comply with such Prevailing Wage Laws as set forth in the foregoing statutes and in the Special Provisions of the Contract Documents.																															
Camera System Labor - in accordance with CMAS Public Contract Code(PCC)\$ 1101. Labor - Project Services CMAS Contract# 3-22-10-1022 P6: Installation of Cameras and Access Control Systems <ul style="list-style-type: none"> • Install cameras and access control systems at all designated locations, including Huntington Park Town Hall, Police Department, Courthouse, Public Works, community centers, and well sites. • Perform on-site configuration and integration with the existing network and security infrastructure. • Verify all installations meet the technical specifications and local regulations. 	\$99,885.00	1	\$99,885.00																												
<table border="1"> <thead> <tr> <th colspan="4">P2 Installation - Public Works Labor</th> </tr> <tr> <th>Camera Project</th> <th>Hours</th> <th>Rate</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Craft: Electrician Calss: Sound Installer Journeyman</td> <td>220</td> <td>325</td> <td>\$71,500.00</td> </tr> <tr> <td>Craft: Electrician Calss: Sound Installer Apprentice</td> <td>39</td> <td>195</td> <td>\$7,605.00</td> </tr> <tr> <td>Craft: Electrician Calss: TRANSPORTATION SYSTEMS ELECTRICIAN (CABLE SPlicing, WELDING, AND NETA TESTING) Journeyman</td> <td>60</td> <td>295</td> <td>\$17,700.00</td> </tr> <tr> <td>Craft: Electrician Calss: TRANSPORTATION SYSTEMS ELECTRICIAN (CABLE SPlicing, WELDING, AND NETA TESTING) Apprentice</td> <td>14</td> <td>220</td> <td>\$3,080.00</td> </tr> <tr> <td>Total Public Works - CMAS Public Contract Code (PCC)\$ 1101.</td> <td></td> <td></td> <td>\$99,885.00</td> </tr> </tbody> </table>				P2 Installation - Public Works Labor				Camera Project	Hours	Rate	Total	Craft: Electrician Calss: Sound Installer Journeyman	220	325	\$71,500.00	Craft: Electrician Calss: Sound Installer Apprentice	39	195	\$7,605.00	Craft: Electrician Calss: TRANSPORTATION SYSTEMS ELECTRICIAN (CABLE SPlicing, WELDING, AND NETA TESTING) Journeyman	60	295	\$17,700.00	Craft: Electrician Calss: TRANSPORTATION SYSTEMS ELECTRICIAN (CABLE SPlicing, WELDING, AND NETA TESTING) Apprentice	14	220	\$3,080.00	Total Public Works - CMAS Public Contract Code (PCC)\$ 1101.			\$99,885.00
P2 Installation - Public Works Labor																															
Camera Project	Hours	Rate	Total																												
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Total Public Works - CMAS Public Contract Code (PCC)\$ 1101.			\$99,885.00																												
Subtotal:			\$808,847.00																												



Access Door Control System - Hardware

Description	Price	Qty	Ext. Price
READERS			
Signo40K, Wall mount w/Keypad, Standard Profile, OSDP/Wiegand, Pigtail, Mobile Ready, BLE, Avigilon Logo CMAS Contract# 3-24-01-1003	\$412.75	3	\$1,238.25
Signo40, Wall mount, Standard Profile, OSDP/Wiegand, Pigtail, Mobile Ready, BLE, Avigilon Logo	\$235.75	106	\$24,989.50
POWER SUPPLIES			
Sixteen Door Mercury Dual Voltage Integrated Power System supporting one AC-MER-CONT-2DR with seven AC-MER-CON-MR52 (Mercury hardware sold separately). The advantage of a dual voltage power supply is the ability to power Mercury boards and door locks. Inc CMAS Contract# 3-24-01-1003	\$940.21	2	\$1,880.42
Eight Door Mercury Dual Voltage Integrated Power System supporting one AC-MER-CONT-2DR with three AC-MER-CON-MR52 (Mercury hardware sold separately). The advantage of a dual voltage power supply is the ability to power both Mercury boards and door locks f CMAS Contract# 3-24-01-1003	\$594.19	4	\$2,376.76
16 Door Mercury Over Sized Enclosure (OSE) with removable backplate. Enclosure holds a total of 8 mercury panel boards and two D8P auxiliary distribution modules for 16 class II power limited outputs. Battery space for 12V or 24V, 8Ah batteries is availab CMAS Contract# 3-24-01-1003	\$1,432.14	5	\$7,160.70
CONTROLLER AND SUB PANELS			
HID® Mercury™ MR52-S3B Controller Serial I/O Dual Card Reader Interface, 2-Reader Interface Module - (2 reader: mag, wiegand, 4 reader OSDP, 8 inputs, 6 relays) (Mercury MR52-S3B) CMAS Contract# 3-24-01-1003	\$519.73	57	\$29,624.61
Intelligent Controller, Linux Based with 2 doors, 8 inputs and 4 outputs, expandable up to 64 doors. (Mercury Part #: LP1502) CMAS Contract# 3-24-01-1003	\$944.50	12	\$11,334.00
Door Hardware			



Access Door Control System - Hardware

Description	Price	Qty	Ext. Price
ACCESSORIES			
GRI Magnetic Contact Non specific Price (NSP)	\$3.25	75	\$243.75
Detector - Request - To - Exit CMAS Contract#3-23-05-1052	\$69.75	60	\$4,185.00
CNTCT OH DOOR CLLOOP Non specific Price (NSP)	\$17.72	13	\$230.36
Storeroom Function Lockset Non specific Price (NSP)	\$52.00	41	\$2,132.00
Axiom 1FT CAT5E 350mhz Patch Cable Non-Booted (Green) - TAA Compliant - 1 ft Category 5e Network Cable for Network Device - First End: 1 x RJ-45 Network - Male - Second End: 1 x RJ-45 Network - Male - Patch Cable - Gold Plated Connector - 24 AWG - Green - CMAS Contract# 3-22-03-1083	\$3.12	120	\$374.40
ENET Cat.6 Patch Network Cable - 7 ft Category 6 Network Cable for Network Device - First End: 1 x RJ-45 Network - Male - Second End: 1 x RJ-45 Network - Male - Patch Cable - Blue CMAS Contract# 3-22-03-1083	\$7.61	61	\$464.21
Belden KeyConnect Cat6 48-Port Network Patch Panel - 48 - 48 Port (s) - 48 x RJ-11 - 2U High - Rack-mountable CMAS Contract# 3-22-03-1083	\$776.43	3	\$2,329.29
Belden KeyConnect Cat6 24-Port Network Patch Panel - 24 - 24 Port (s) - 24 x RJ-11 - 1U High - Rack-mountable CMAS Contract# 3-22-03-1083	\$388.21	5	\$1,941.05
Tripp Lite by Eaton NetCommander 8-Port Cat5 KVM over IP Switch - 19 in. LCD, 1 Remote + 1 Local User, 1U Rack-Mount, TAA - 8 Computer(s) - 19? LCD - 1366 x 768 - 12 x Network (RJ-45) - 1 x USB - Keyboard120 V AC, 230 V AC Input Voltage - 1U High - TAA Co CMAS Contract# 3-23-05-1052	\$1,491.27	5	\$7,456.35





Access Door Control System - Hardware

Description	Price	Qty	Ext. Price
APC by Schneider Electric Smart-UPS 1500 LCD RM 2U 100V - 2U Rack-mountable - 4 Hour Recharge - 110 V AC Input - 100 V AC Output - Sine Wave - Serial Port - USB - 6 x NEMA 5-15R - 6 x Battery/Surge Outlet  CMAS Contract# 3-23-05-1052	\$1,243.05	5	\$6,215.25
HES, Electric Strike (for cylindrical lockset) CMAS Contract# 3-24-01-1005	\$556.00	42	\$23,352.00
Subtotal:			\$127,527.90

Access Door Control System - Licenses

Description	Price	Qty	Ext. Price
ACM SOLUTIONS			
Access Control Manager Virtual 6 - Web-Based PACS Virtual for 128 Readers - includes: embedded 64 bit Linux OS & Open LDAP for configuration database Access Control Manager Security Management Software 128 Reader Count Software License One (1) ACM V CMAS Contract# 3-24-01-1003	\$5,811.50	1	\$5,811.50
Avigilon Access Control Manager v. 6.0 - Upgrade License - 16 Reader Count CMAS Contract# 3-24-01-1003	\$710.00	39	\$27,690.00
Subtotal:			\$33,501.50

Labor Services-Access Door Control System

Description	Price	Qty	Ext. Price
Access Door Control System - Non-Public Works Scope- Information Technology Services CMAS Contract# 3-22-10-1022			
Access Door Control System Labor - in accordance with CMAS Public Contract Code(PCC)\$ 1101. Labor - Project Services CMAS Contract# 3-22-10-1022	\$262,200.00	1	\$262,200.00



Labor Services-Access Door Control System

Description	Price	Qty	Ext. Price
<p>PROJECT DESCRIPTION</p> <p>ACCESS DOOR CONTROL SYSTEM INSTALLATION</p> <p>This project involves the installation of a robust Access Door Control System across multiple sites in Huntington Park, including town halls, police departments, courthouses, public works, and various parks. The project will be divided into eight phases (P1–P8), each detailing critical tasks and milestones to ensure a successful deployment.</p> <hr/> <p>PROJECT PHASES</p> <p>P1: Project Kickoff and Initial Planning</p> <ul style="list-style-type: none"> • Conduct a project kickoff meeting with stakeholders to outline project goals, timelines, and responsibilities. • Develop a detailed project plan, including key milestones and deliverables. • Finalize project scope and align with client expectations. <p>P2: Site Survey and Assessment</p> <ul style="list-style-type: none"> • Conduct a thorough site survey of each location to assess the existing infrastructure and identify any potential challenges for the access control system. • Document the site conditions, including door types, existing locks, and network requirements. • Prepare a detailed report of findings and necessary preparations for the access control system installation. <p>P3: System Design and Bill of Materials (BOM) Finalization</p> <ul style="list-style-type: none"> • Finalize the access control system design based on site survey findings. • Create a detailed Bill of Materials (BOM) specifying all required hardware, software, and services for the access control system. • Review and approve BOM with the client before proceeding with procurement. <p>P4: Procurement of Equipment</p> <ul style="list-style-type: none"> • Order all necessary hardware and software as outlined in the BOM. • Coordinate with vendors to ensure timely delivery of access control equipment to the project site. • Verify all received items meet the specifications and quantities 			



Labor Services-Access Door Control System

Description	Price	Qty	Ext. Price
<p>listed in the BOM.</p> <p>P5: Infrastructure Preparation</p> <ul style="list-style-type: none"> • Prepare the infrastructure at each site to support the new access control system. • Install necessary cabling, power supplies, and network equipment to ensure seamless integration. • Prepare door frames, install electronic strikes or magnetic locks, and verify door hardware compatibility. • Conduct preliminary tests to verify infrastructure readiness for system installation. <p>P7: System Integration and Configuration</p> <ul style="list-style-type: none"> • Integrate the installed access control systems with the central management system and existing security infrastructure. • Configure the system to meet the client's operational requirements, including user access levels, schedules, and reporting capabilities. • Conduct a full system test to ensure all components function as expected and all doors secure properly. <p>P8: Project Handover, Training, and Go-Live</p> <ul style="list-style-type: none"> • Conduct a final walkthrough with the client to review the installation and address any concerns regarding the access control system. • Provide training to the client's staff on system operation, including adding/removing users, managing access schedules, and responding to alerts. • Officially hand over the access control system and documentation to the client. • Monitor the system during the initial go-live period to ensure optimal performance and resolve any issues promptly. 			



Labor Services-Access Door Control System

Description				Price	Qty	Ext. Price																																												
<table><tr><th>Job Role</th><th></th><th>Rate</th><th></th></tr><tr><td>IT Program Manager - Contractor Site</td><td></td><td>\$230.00</td><td></td></tr><tr><td>Software / Network Engineer II - Contractor Site</td><td></td><td>\$192.00</td><td></td></tr><tr><td>Software / Network Engineer III</td><td></td><td>\$245.00</td><td></td></tr><tr><td>Subject Matter Expert II</td><td></td><td>\$245.00</td><td></td></tr><tr><td>Systems Analyst IV</td><td></td><td>\$195.00</td><td></td></tr><tr><td>Subject Matter Expert III -</td><td></td><td>\$320.00</td><td></td></tr><tr><td>Systems Analyst IV</td><td></td><td>\$195.00</td><td></td></tr><tr><td>Subject Matter Expert III -</td><td></td><td>\$320.00</td><td></td></tr><tr><td>Systems Administrator II - Contractor Site</td><td></td><td>\$220.00</td><td></td></tr><tr><td>Computer Security Specialist III</td><td></td><td>\$235.00</td><td></td></tr></table>				Job Role		Rate		IT Program Manager - Contractor Site		\$230.00		Software / Network Engineer II - Contractor Site		\$192.00		Software / Network Engineer III		\$245.00		Subject Matter Expert II		\$245.00		Systems Analyst IV		\$195.00		Subject Matter Expert III -		\$320.00		Systems Analyst IV		\$195.00		Subject Matter Expert III -		\$320.00		Systems Administrator II - Contractor Site		\$220.00		Computer Security Specialist III		\$235.00				
Job Role		Rate																																																
IT Program Manager - Contractor Site		\$230.00																																																
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Systems Administrator II - Contractor Site		\$220.00																																																
Computer Security Specialist III		\$235.00																																																
P1: Project Kickoff and Initial Planning				Hrs	Rate	Total																																												
Project manager				41	\$230.00	\$ 9,430																																												
Network Engineer				28	\$192.00	\$ 5,376																																												
Subject Matter Expert III -				83	\$320.00	\$ 26,560																																												
P2: Site Survey and Assessment																																																		
Software / Network Engineer II				22	\$192.00	\$ 4,224																																												
Subject Matter Expert III				35	\$320.00	\$ 11,200																																												
P3: System Design and (BOM) Finalization																																																		
Project manager				28	\$230.00	\$ 6,440																																												
Software / Network Engineer II				31	\$192.00	\$ 5,952																																												
P4: Procurement of Equipment																																																		
Project manager				22	\$230.00	\$ 5,060																																												
P5: Preparation																																																		
Subject Matter Expert III				69	\$320.00	\$ 22,080																																												
Systems Analyst IV				25	\$195.00	\$ 4,875																																												
Software / Network Engineer III				81	\$245.00	\$ 19,845																																												
Level1 Technician (Multiple Man power)				121	\$220.00	\$ 26,620																																												
User Experience Designer				29	\$195.00	\$ 5,655																																												
P7: System Integration and Configuration																																																		
Subject Matter Expert III				118	\$320.00	\$ 37,760																																												
Software / Network Engineer III				102	\$245.00	\$ 24,990																																												
P8: Project Handover, Training, and Go-Live																																																		
Computer Security Specialist III				54	\$245.00	\$ 13,230																																												
Subject Matter Expert III -				103	\$320.00	\$ 32,960																																												
• Total non-Public works Cost:						\$262,257																																												



Labor Services-Access Door Control System

Description	Price	Qty	Ext. Price																								
Access Door Control System Public Works - Labor in accordance with CMAS Public Contract Code(PCC)§ 1101. We are aware of the requirements of Labor Code Sections 1720 et seq. and 1770 et seq., as well as California Code of Regulations, Title 8, Section 16000 et seq. ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on certain "public works" and "maintenance" projects. Since the work covered by this Agreement involves an applicable "public works" or "maintenance" project, as defined by the Prevailing Wage Laws, and since the total compensation is \$1,000 or more, Contractor agrees to fully comply with such Prevailing Wage Laws as set forth in the foregoing statutes and in the Special Provisions of the Contract Documents.																											
Access Door Control System Labor - in accordance with CMAS Public Contract Code(PCC)§ 1101. Labor - Project Services CMAS Contract# 3-22-10-1022	\$72,800.00	1	\$72,800.00																								
P6: Installation of Access Control Systems <ul style="list-style-type: none"> • Install access control panels, readers, and door hardware at all designated locations, including Huntington Park Town Hall, Police Department, Courthouse, Public Works, community centers, and well sites. • Perform on-site configuration of access control readers, controllers, and communication with the central management system. • Verify all installations meet the technical specifications and local regulations. 																											
<table border="1"> <thead> <tr> <th colspan="4">Access Control</th> </tr> <tr> <th colspan="4">P2 Installation - Public Works Labor</th> </tr> <tr> <th></th> <th>Hours</th> <th>Rate</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Craft: Electrician Calss: Sound Installer Journeyman</td> <td>200</td> <td>325</td> <td>\$65,000.00</td> </tr> <tr> <td>Craft: Electrician Calss: Sound Installer Apprentice</td> <td>40</td> <td>195</td> <td>\$7,800.00</td> </tr> <tr> <td colspan="3">Total Public Works - CMAS Public Contract Code (PCC)§ 1101.</td> <td>\$72,800.00</td> </tr> </tbody> </table>	Access Control				P2 Installation - Public Works Labor					Hours	Rate	Total	Craft: Electrician Calss: Sound Installer Journeyman	200	325	\$65,000.00	Craft: Electrician Calss: Sound Installer Apprentice	40	195	\$7,800.00	Total Public Works - CMAS Public Contract Code (PCC)§ 1101.			\$72,800.00			
Access Control																											
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	Hours	Rate	Total																								
Craft: Electrician Calss: Sound Installer Journeyman	200	325	\$65,000.00																								
Craft: Electrician Calss: Sound Installer Apprentice	40	195	\$7,800.00																								
Total Public Works - CMAS Public Contract Code (PCC)§ 1101.			\$72,800.00																								
Subtotal:			\$335,000.00																								



COHP Avigilon Camera System and Door Access System Citywide

Prepared by:

LAN WAN Enterprise IT Solutions

Sales Department
844-526-9263
sales@lanwane.com

Prepared for:

City of Huntington Park

6550 Miles Avenue
Huntington Park, CA 90255
Rick Reyes
(323) 582-6161
rreyes@hpca.gov

Quote Information:

Quote #: 002034

Version: 1
Delivery Date: 08/15/2024
Expiration Date: 08/07/2024

Quote Summary

Description	Amount
Camera System - Hardware	\$548,922.70
Camera System - Licenses	\$40,148.10
Labor Services-Camera System	\$808,847.00
Access Door Control System - Hardware	\$127,527.90
Access Door Control System - Licenses	\$33,501.50
Labor Services-Access Door Control System	\$335,000.00
Subtotal:	\$1,893,947.20
Shipping:	\$2,500.00
Estimated Tax:	\$72,770.04
Total:	\$1,969,217.24

- Taxes, shipping, handling and other fees may apply
- Quoted costs and services are only valid for 15 days from the date of the proposal.

LAN WAN Enterprise IT Solutions

City of Huntington Park

Signature: _____

Name: Sales Department

Title: Pre\Post Sales Department

Date: 08/15/2024

Signature: _____

Name: Rick Reyes

Date: _____

maps and device layout

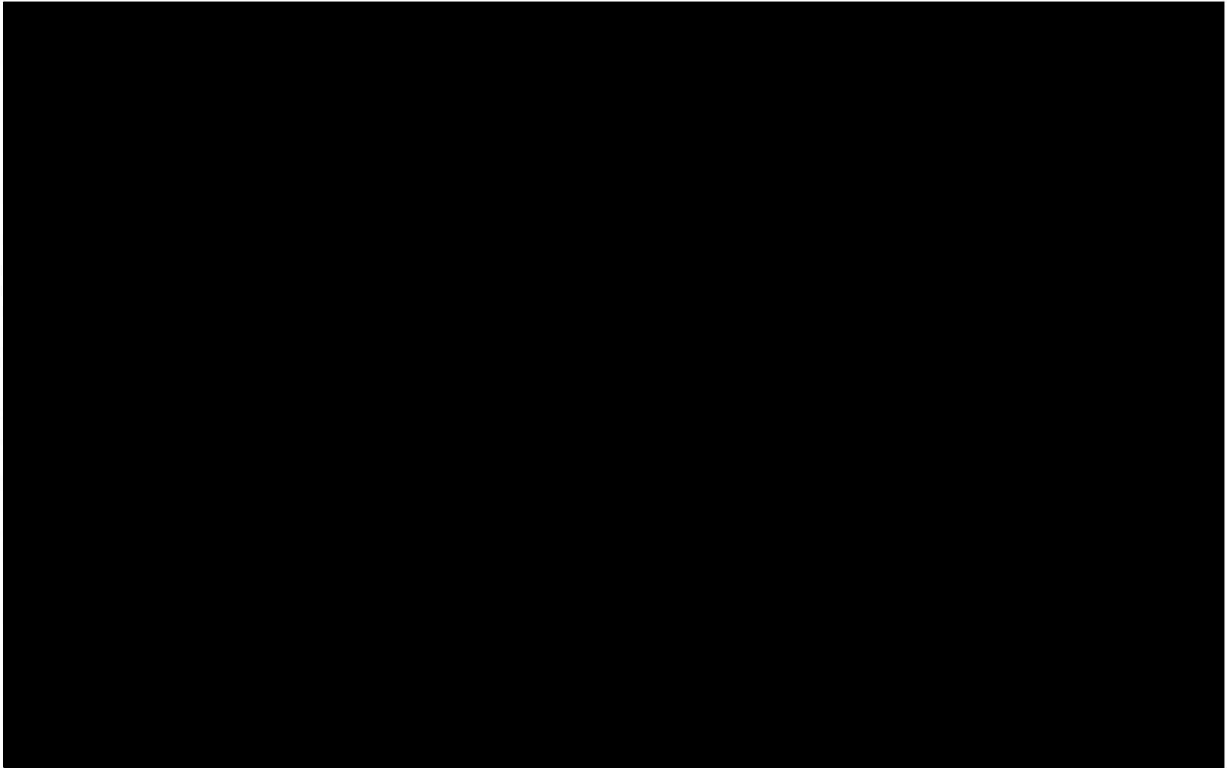


Figure 3-26: Town Hall and Courthouse - Floor 1

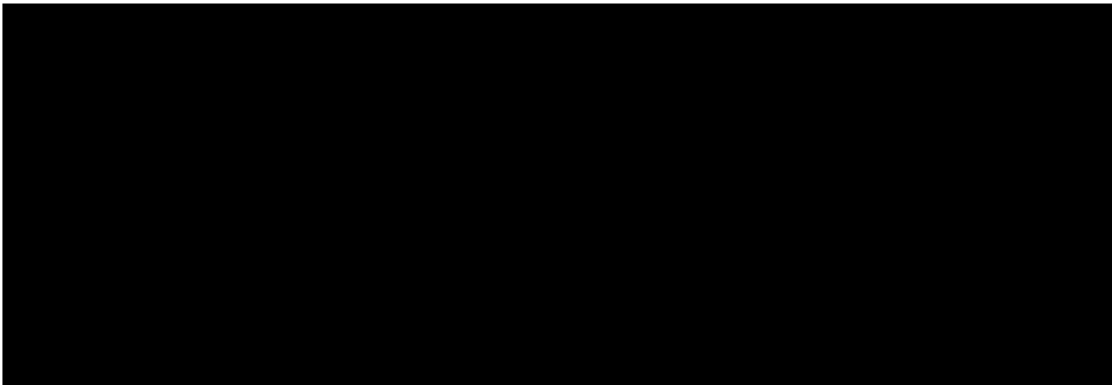


Figure 3-27: Town Hall and Courthouse - Floor 2

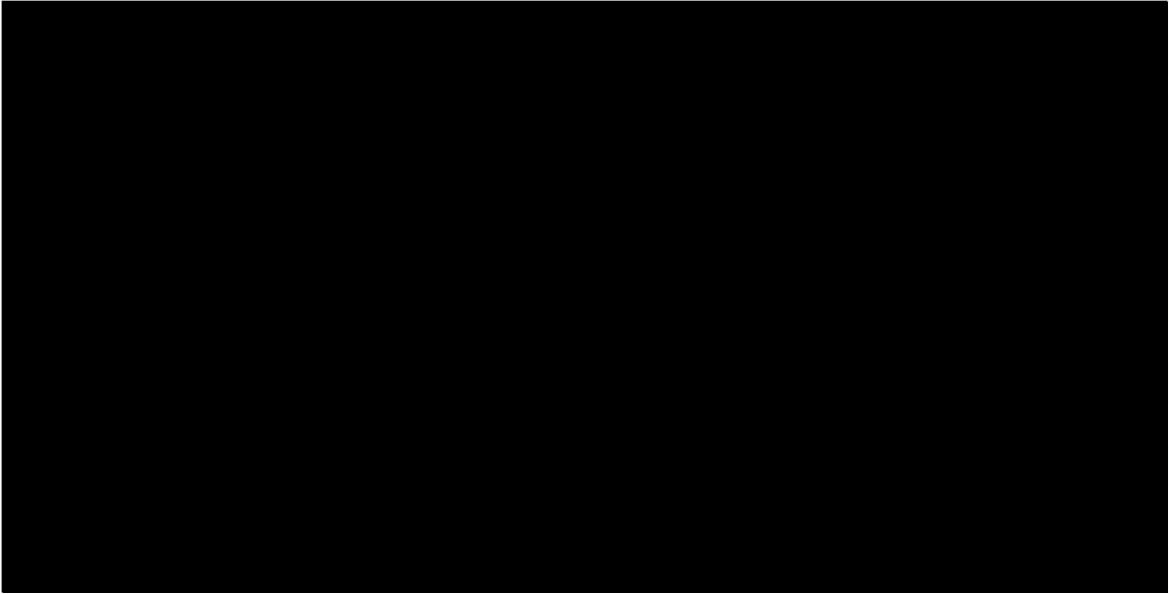


Figure 3-28: Town Hall and Courthouse - Exterior

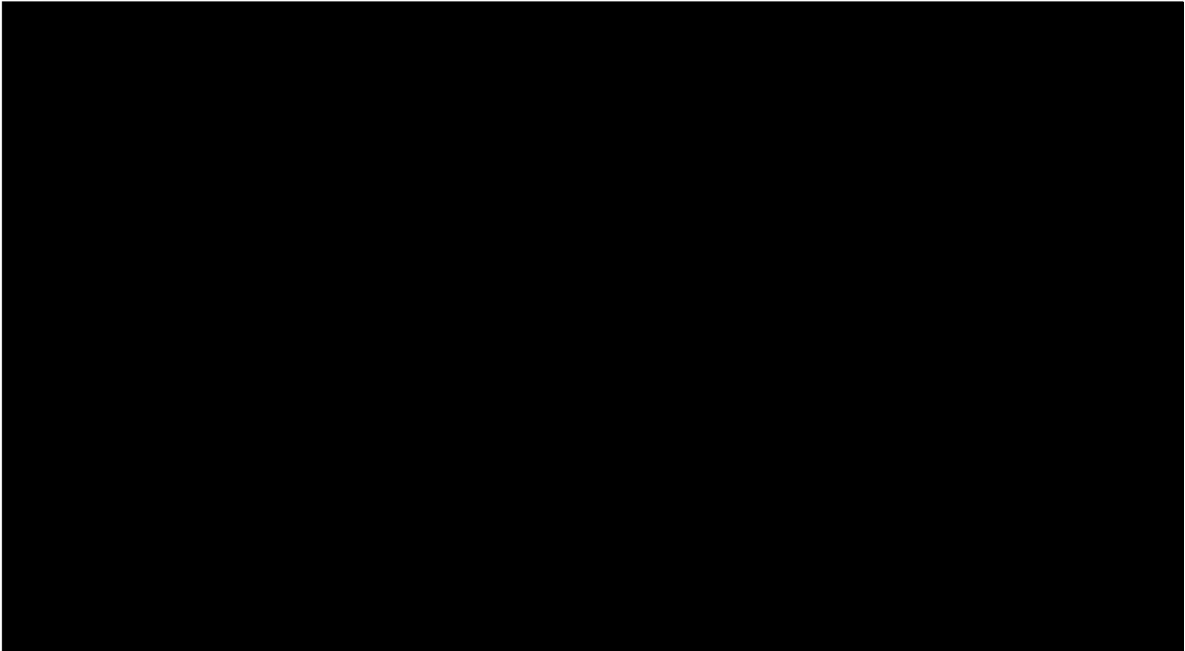


Figure 3-29: Police Department - Floor 1

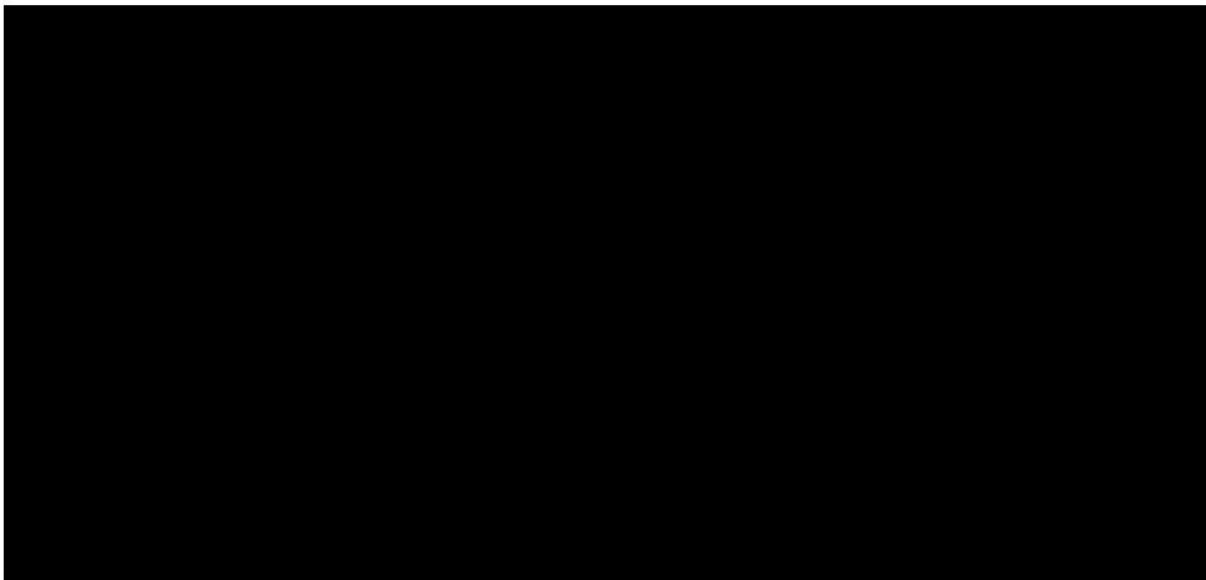


Figure 3-30: Police Department - Floor 2

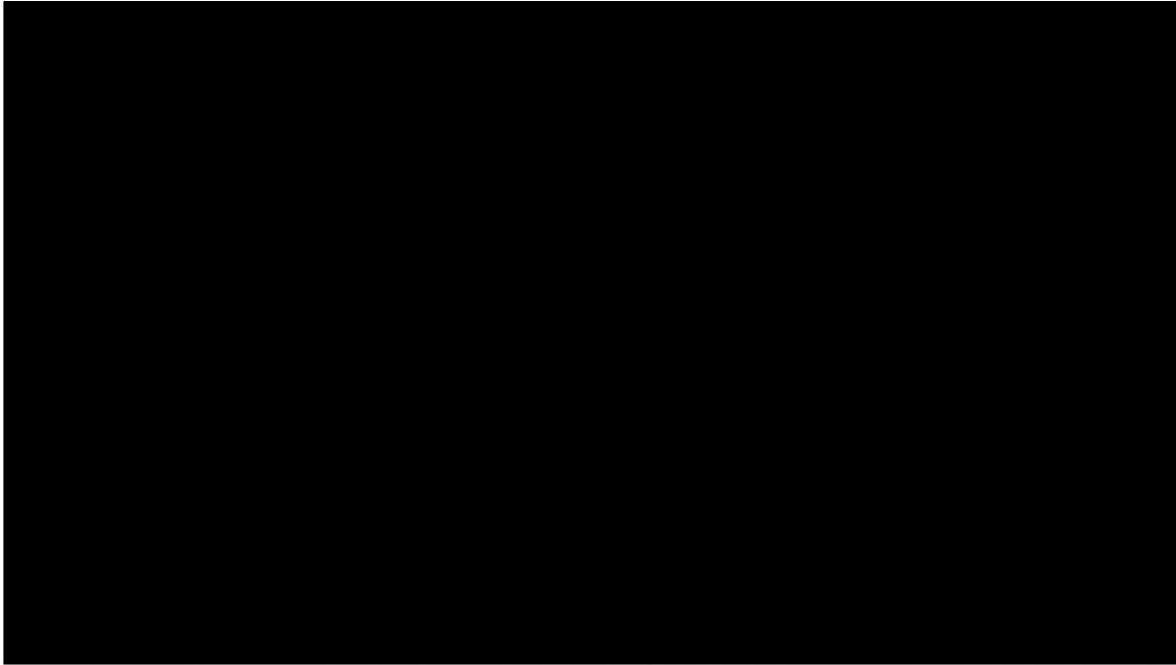


Figure 3-31: Police Department - Exterior

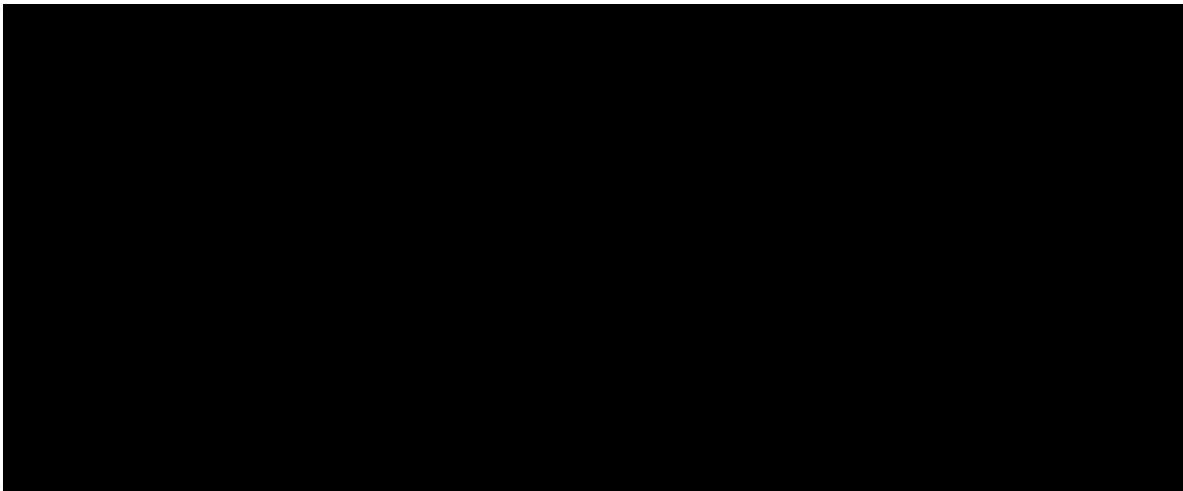


Figure 3-32: Huntington Public Works - Bld. 1 (exterior)



Figure 3-33: Huntington Public Works - Bld. 2 (exterior)

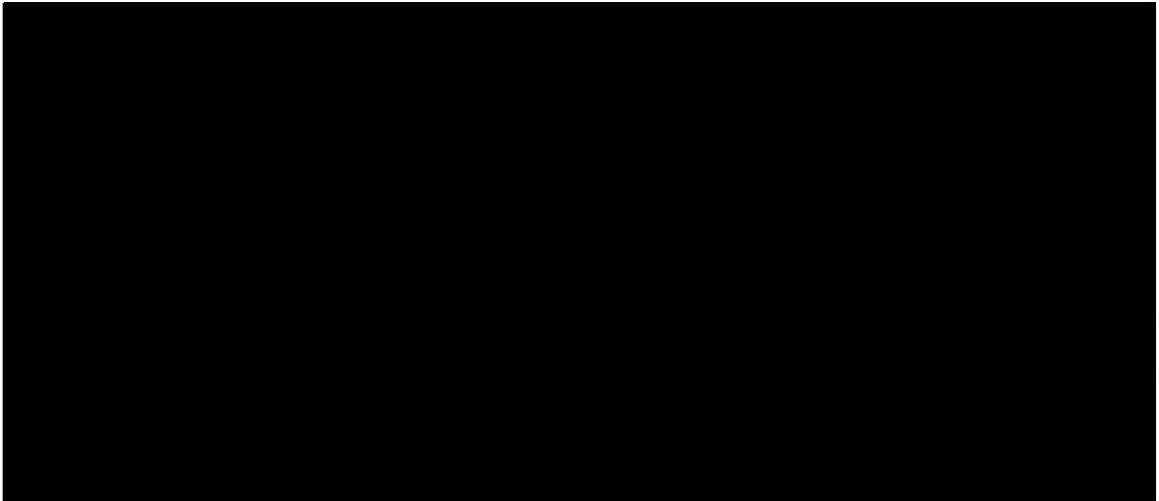


Figure 3-34: Huntington Public Works - Bld. 3 (exterior)



Figure 3-35: Huntington Public Works - Bld. 4 (exterior)

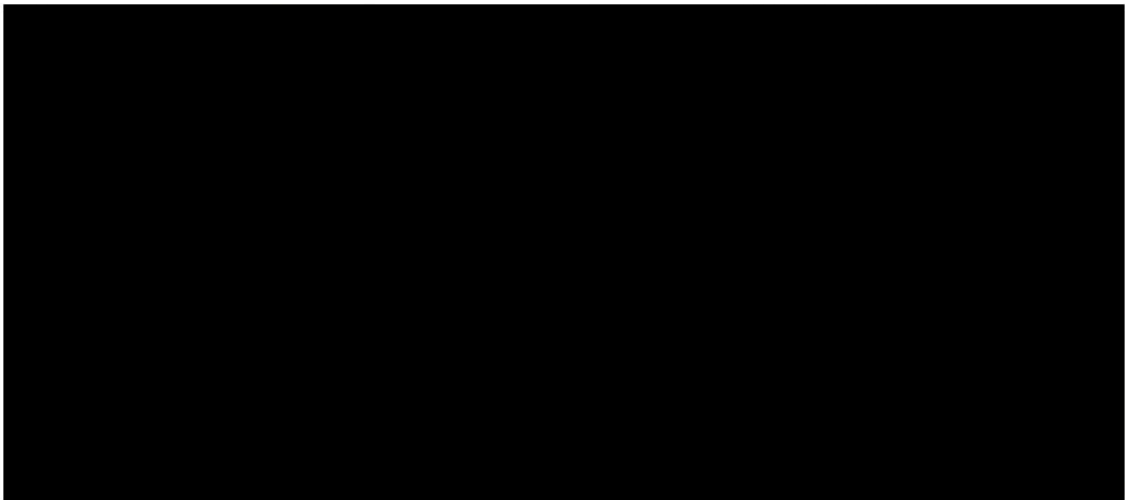


Figure 3-36: Huntington Public Works - Bld. 4 (exterior)

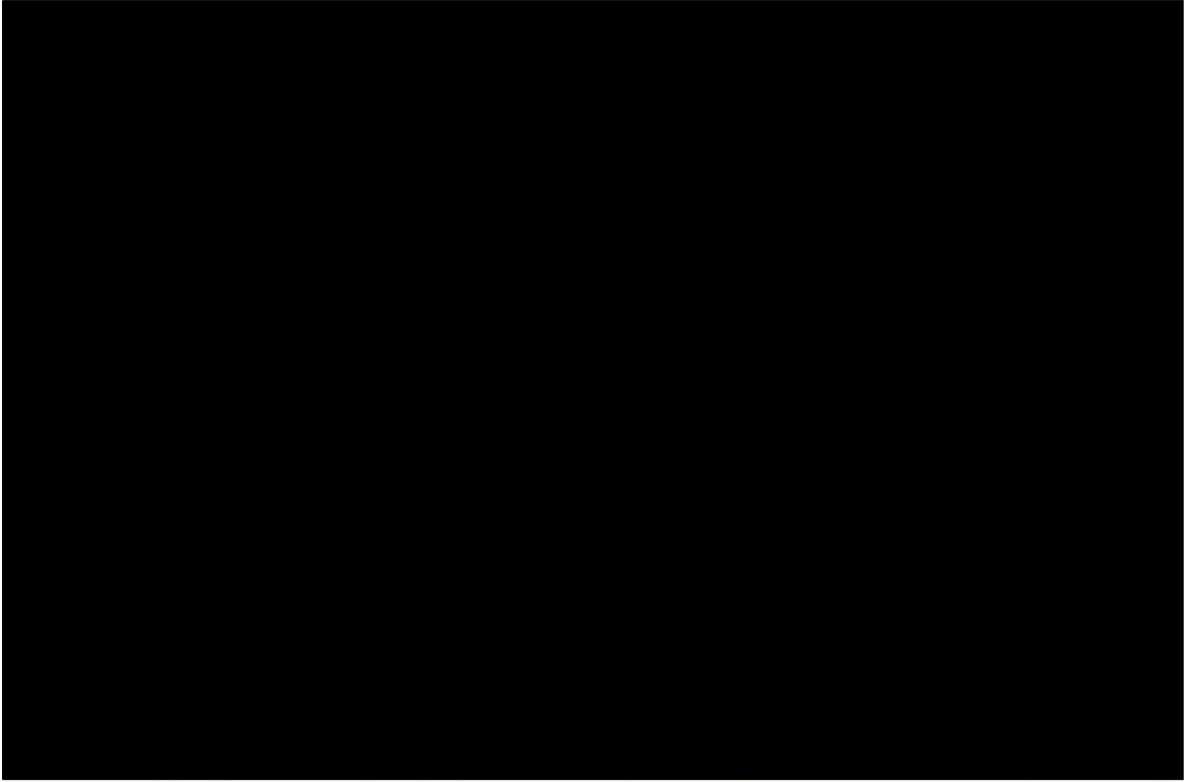


Figure 3-37: Frank Park Community Center (Interior + Exterior)

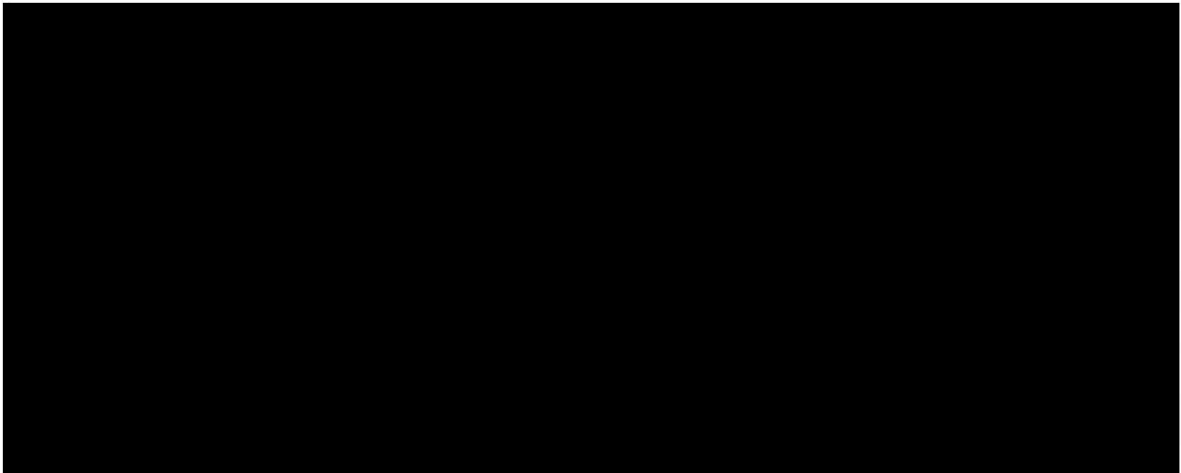


Figure 3-38: Raul Perez Park (Exterior + Interior)

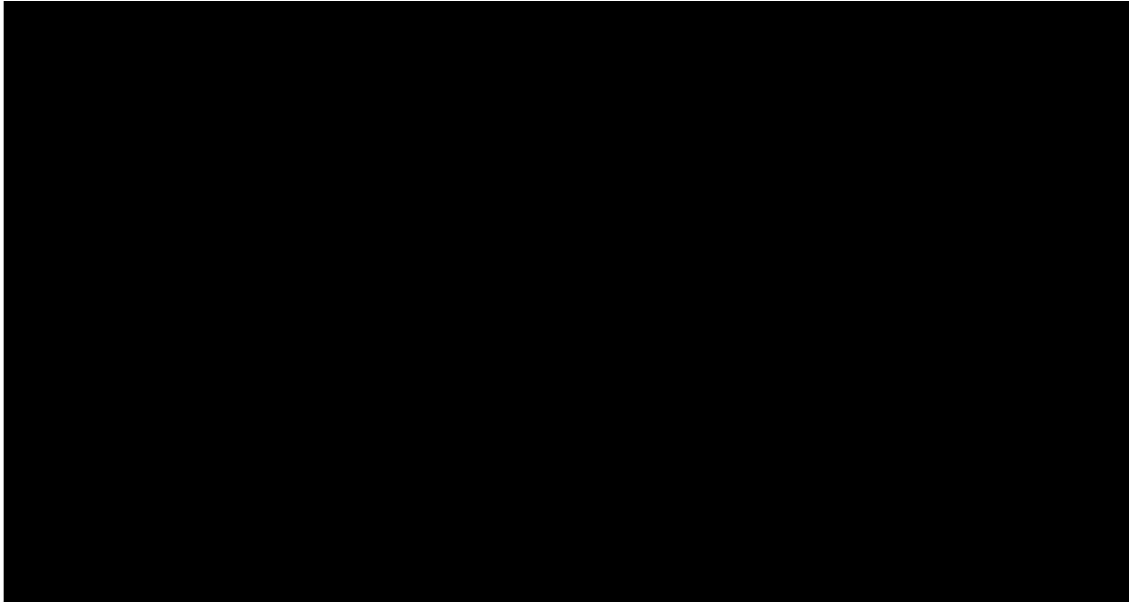


Figure 3-39: Salt Lake Park (Exterior)

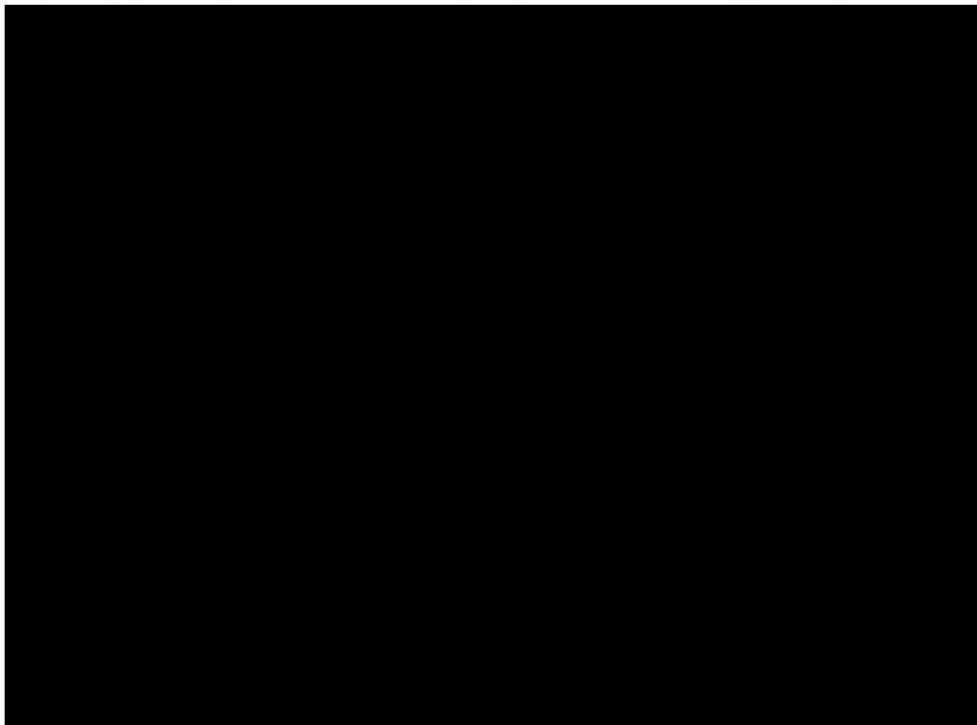


Figure 3-40: Salt Lake Park (Interior)

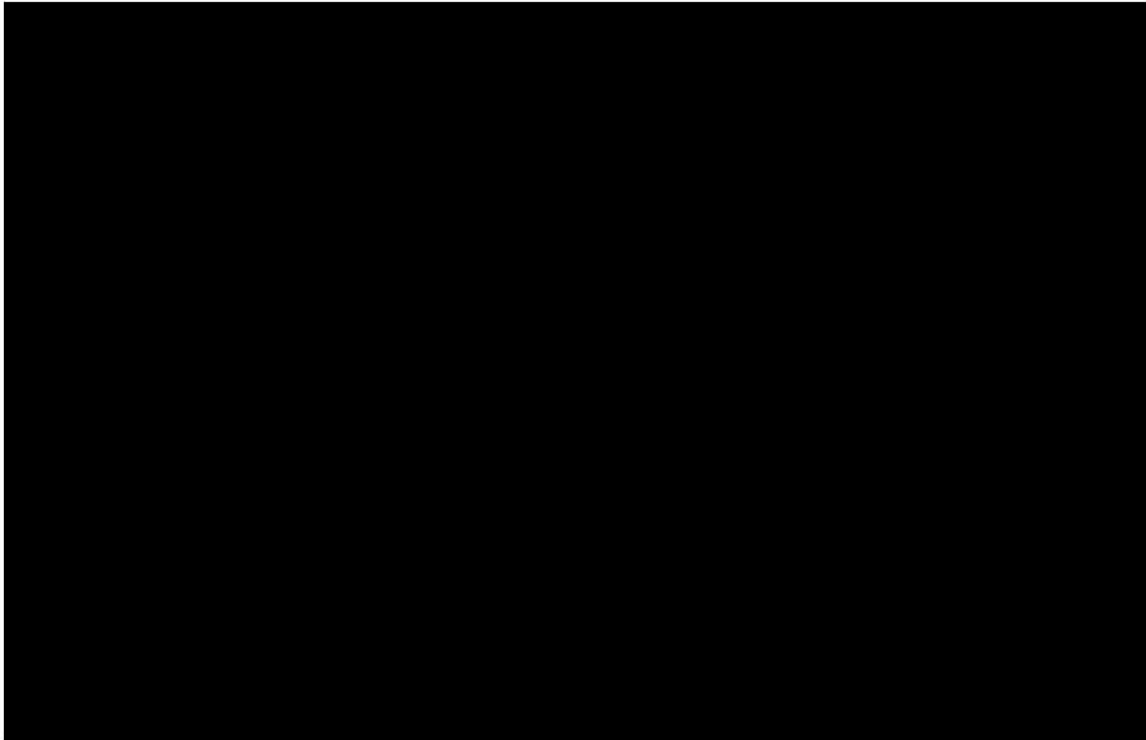


Figure 3-41: Veterans Park

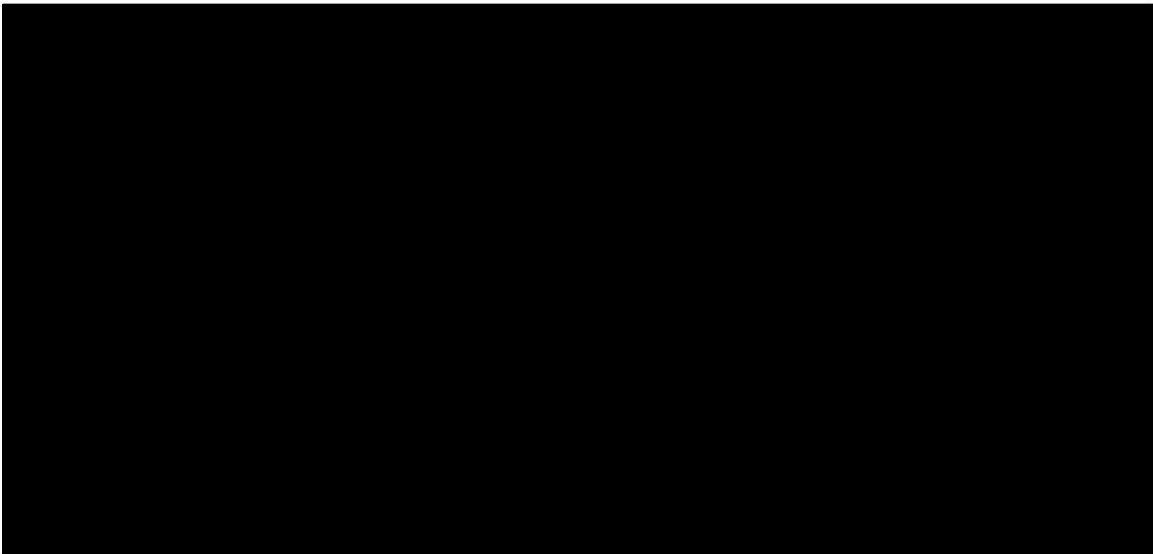


Figure 3-42: Well Site 12

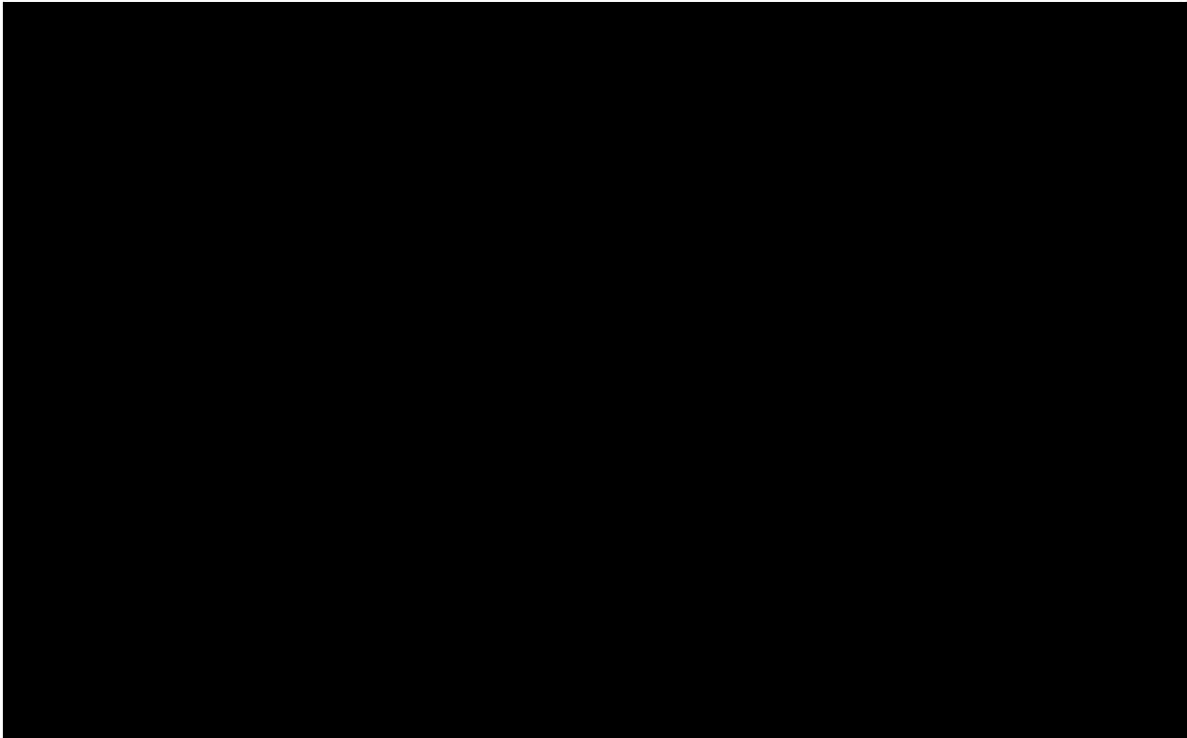


Figure 3-43: Well Site 14

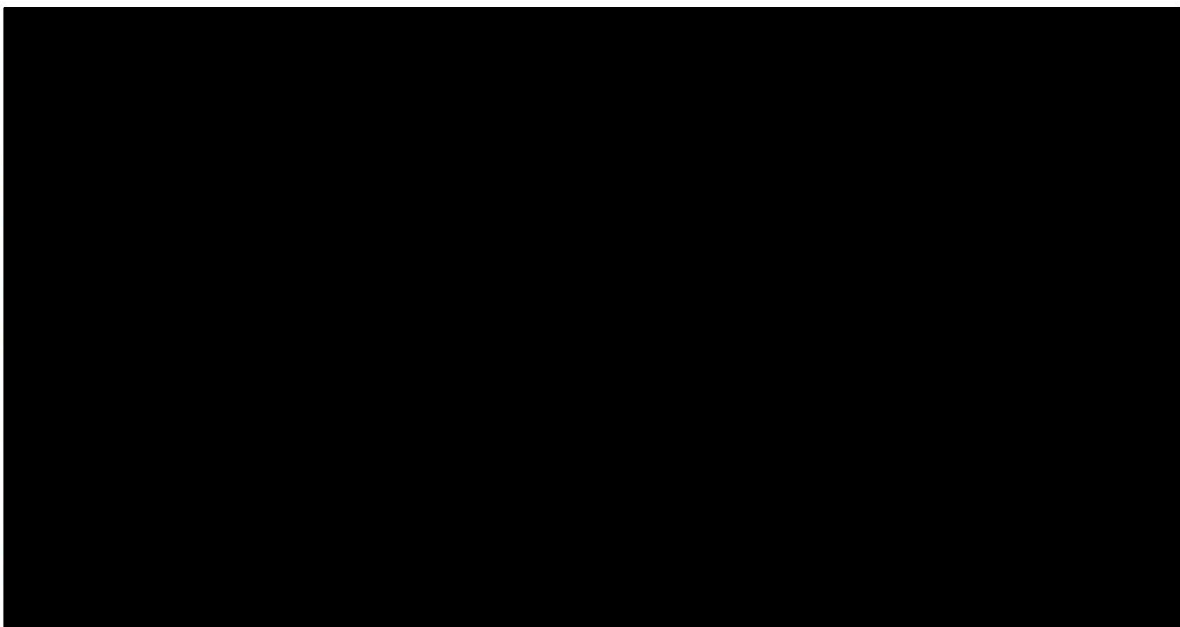


Figure 3-44: Well Site 1

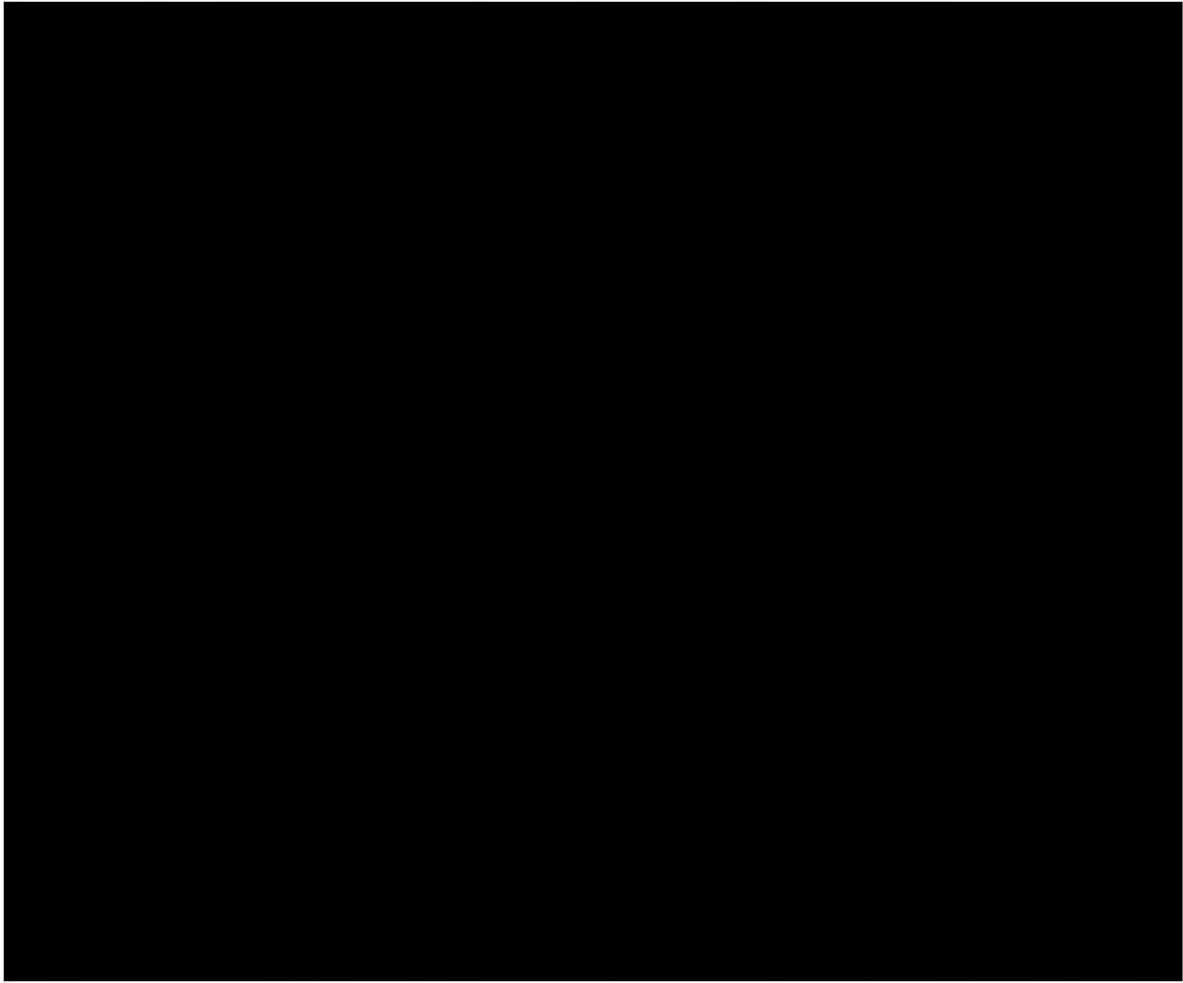


Figure 3-45: Well Site 16

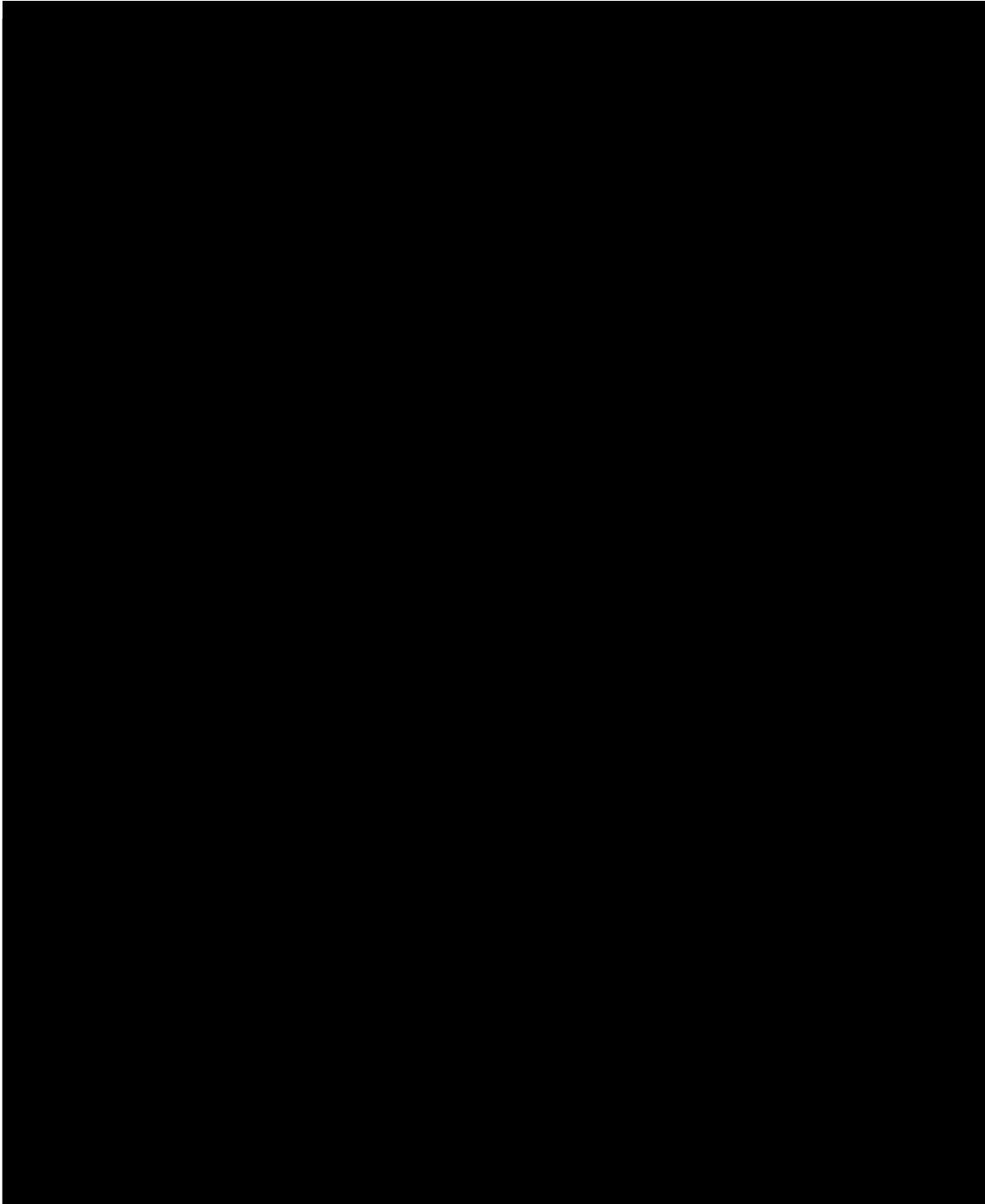


Figure 3-46: Well Site 17

State of California

MULTIPLE AWARD SCHEDULE

NON-MANDATORY

LAN WAN Enterprise, Inc.

CMAS NUMBER:	3-23-05-1052
CMAS TERM DATES:	5/23/2023 through 8/22/2024
EFFECTIVE DATE:	5/23/2023
CMAS CATEGORY:	Information Technology Goods and Services
APPLICABLE CMAS TERMS & CONDITIONS:	<u>March 1, 2023</u>
MAXIMUM ORDER LIMIT:	State Agencies: See Purchasing Authority Dollar Threshold provision Local Government Agencies: Unlimited
FOR USE BY:	State & Local Government Agencies
BASE SCHEDULE #:	<u>47QTCA19D00JN</u>
BASE SCHEDULE HOLDER:	Computech International, Inc.
PROGRAM ANALYST	Bryan Dugger bryan.dugger@dgs.ca.gov

This California Multiple Award Schedule (CMAS) provides for the purchase, warranty, and installation of hardware, hardware maintenance and repair services, software, software maintenance as a product, and cloud computing services. (See page 3 for the restrictions applicable to this CMAS.)

NOTICE: Products and/or services on this CMAS may be available on a Mandatory State Contract. If this is the case, the use of this CMAS is restricted unless the State agency has an approved exemption as explained in the State Contract User Instructions. Information regarding State Contracts can be obtained at the: [State Contracts Index Listing](#). This requirement is not applicable to local government agencies.

Any reference to a specific manufacturer's or publisher's warranty or terms and conditions as shown in the base schedule are not applicable to this CMAS.

CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-23-05-1052

Buyers must verify that the CMAS contractor has a letter of authorization from the manufacturer or an authorized distributor for the sale of the products covered by this CMAS. Service specific letters of authorization from the manufacturer are required if the CMAS contractor is providing installation, maintenance, and repair services.

The services provided under this CMAS are only available in support of the products covered by this CMAS.

The most current Ordering Instructions and Special Provisions, CMAS Terms and Conditions, and products and/or services are included herein. All purchase orders issued by State agencies shall incorporate these Ordering Instructions and Special Provisions and CMAS Terms and Conditions.

Agency non-compliance with the requirements may result in the loss of CMAS program delegated purchasing authority.

CMAS contractor non-compliance with the requirements may result in termination.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-23-05-1052**

CMAS PRODUCT & SERVICE CODES

Product & Service Codes listed below are for marketing purposes only. Review the base schedule for the products and/or services available.

Brand-Panasonic
Brand-Tripplite
Data Commun-Component
Data Commun-Data Switch
Data Commun-Network Mgmt
Data Commun-Wireless
Lan/Wan-Wireless Network
Network-Component
Network-System
Security-Wireless

AVAILABLE PRODUCTS AND/OR SERVICES

This CMAS provides for the purchase, warranty, and installation of hardware, hardware maintenance and repair services, software, software maintenance as a product, and cloud computing services.

The ordering agency must verify all products and/or services are currently available on the base General Services Administration (GSA) schedule.

FIND BASE SCHEDULE PRICING

Once on the Contractor Information page for a specific GSA schedule, the pricelist can be found either in the Contractor Terms & Conditions (T&Cs)/Pricelist document or at GSA Advantage. The Contractor T&Cs/Pricelist document is provided by the contractor as a requirement of GSA and can be found under the Contractor T&Cs/Pricelist heading by clicking on the page icon.

If the contractor has products/services available for ordering on GSA Advantage, a 'GSA Advantage' icon will be displayed. By clicking this image link, this will execute a search against GSA Advantage. Depending on the category, whether product or service related, will return either:

- 1) If products, a listing of all products available for the contractor under this contract
- 2) If services, the same document provided under the column Contractor T&Cs/Pricelist by clicking View Contractor Information and then View Contractor Catalog.

EXCLUDED PRODUCTS AND/OR SERVICES

Software maintenance as a service, non-Information Technology office products, and order-level materials are not available under this CMAS.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-23-05-1052**

ISSUE PURCHASE ORDER TO

Agency purchase orders must be sent to the following:

**LAN WAN Enterprise, Inc.
17500 Red Hill Avenue, Suite 120
Irvine, CA 92614
Attn: Rami Dababneh**

E-mail: gsa@lanwane.com

Agencies with questions regarding products and/or services may contact the CMAS contractor as follows:

**Contact: Rami Dababneh
Phone: (714) 393-2264
E-mail: gsa@lanwane.com
Website: <https://lanwane.com/>**

TOP 500 DELINQUENT TAXPAYERS

In accordance with Public Contract Code (PCC) 10295.4, and prior to placing an order for IT goods and/or services, **agencies must verify** with the Franchise Tax Board and the California Department of Tax and Fee Administration that this CMAS contractor's name does not appear on either list of the 500 largest tax delinquencies pursuant to Revenue and Taxation Code 7063 or 19195. The Franchise Tax Board's list of Top 500 Delinquent Taxpayers is available at their website. The California Department of Tax and Fee Administration's list of Top 500 Sales & Use Tax Delinquencies in California is available at their website.

CALIFORNIA SELLER'S PERMIT

The CMAS contractor's California Seller's Permit Number is 100219114. Prior to placing an order with this company, agencies must verify that this permit is still valid at the California Department of Tax and Fee Administration website.

MINIMUM ORDER LIMITATION

The minimum dollar value of an order to be issued under this CMAS is \$100.

CMAS PRICES

The maximum prices allowed for the products and/or services available are those set forth in the base schedule.

The ordering agency is encouraged to seek prices lower than those in the base schedule. When responding to an agency's Request for Offer (RFO), the CMAS contractor can offer lower prices to be competitive.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-23-05-1052**

ACQUISITION OF IAAS AND/OR PAAS

If using this CMAS for the purpose of acquiring Infrastructure as a Service (IaaS) and/or Platform as a Service (PaaS), State agencies must first obtain approval to use this CMAS from the California Department of Technology (CDT) in accordance with TL 17-06. State agencies must document CDT's approval and maintain in the procurement file. Contact CDT for all questions related to the acquisition of IaaS and PaaS and TL 17-06.

EXECUTIVE ORDER N-6-22 – RUSSIA SANCTIONS

On March 4, 2022, Governor Gavin Newsom issued Executive Order N-6-22 (the EO) regarding Economic Sanctions against Russia and Russian entities and individuals. "Economic Sanctions" refers to sanctions imposed by the U.S. government in response to Russia's actions in Ukraine, as well as any sanctions imposed under state law. The EO directs state agencies to terminate contracts with, and to refrain from entering any new contracts with, individuals or entities that are determined to be a target of Economic Sanctions. Accordingly, should the State determine Contractor is a target of Economic Sanctions or is conducting prohibited transactions with sanctioned individuals or entities, that shall be grounds for termination of this agreement. The State shall provide Contractor advance written notice of such termination, allowing Contractor at least 30 calendar days to provide a written response. Termination shall be at the sole discretion of the State.

IRAN CERTIFICATION

This CMAS contractor has certified compliance with the Iran Contracting Act, per PCC 2001-2008. It is the agency's responsibility to verify that the contractor has an Iran Contracting Act Certification on file.

CALIFORNIA CIVIL RIGHTS LAW CERTIFICATION

Pursuant to PCC 2010 applicants must certify their compliance with the California Civil Rights laws and Employer Discriminatory Policies (Civil Code 51, GC 12960). It is the agency's responsibility to verify that the contractor has a California Civil Rights Law Certification on file.

WARRANTY

For warranties, see the base schedule and the CMAS Warranty provision in the CMAS Terms and Conditions/General Provisions.

DELIVERY

7 days after receipt of order or as negotiated between agency and CMAS contractor and included in the purchase order.

LIQUIDATED DAMAGES FOR LATE DELIVERY

The value of the liquidated damages cannot be a penalty, must be mutually agreed upon by agency and contractor and included in the purchase order to be applicable.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-23-05-1052**

SHIPPING INSTRUCTIONS

F.O.B. (Free On Board) Destination. Seller pays the freight charges.

CANCELLATION AND/OR RESTOCKING FEE

Restocking Fee: On a case-by-case basis, a return may be authorized for an open box and a restocking fee of up to 15% will be applied.

PURCHASING AUTHORITY DOLLAR THRESHOLD

Order limits for the purchase of goods and/or services is determined by the individual agency purchasing authority threshold.

No CMAS order may be executed by a State agency that exceeds that agency's purchasing authority threshold, unless an exemption is granted by the Department of General Services (DGS) Purchasing Authority Unit (PAU). State agencies with approved purchasing authority, along with their dollar thresholds can be obtained at the [List of State Departments with Approved Purchasing Authority](#) website.

HOW TO USE CMAS

State agencies must adhere to the requirements in the State Contracting Manual (SCM) Volume 2, Chapter 1600 and CMAS Ordering Instructions and Special Provisions when using CMAS.

- Develop an RFO, which includes a Scope of Work (SOW) and Bidder Declaration form. For information on the Bidder Declaration requirements see SCM, Volume 2, Sections 305 and 1202.
- Clearly defined Tasks (what needs to be done) and Deliverables (outcome of each task, i.e., reports, procedures manual, etc.) must be included in the State's SOW.
- For Consulting or Personal services, do not include any labor categories/job titles or number of hours limit in RFO Requirements or the SOW. The CMAS Contractor provides this information in their Attachment B Cost Worksheet. The State does not have the expertise to make this decision (GC 19130(b)).
- [Search for potential CMAS contractors](#) on the CMAS website and select "Find a CMAS Contractor."
- Request offers from a minimum of 3 CMAS contractors including one small business (SB) and/or Disabled Veteran Business Enterprise (DVBE), if available, who are authorized to sell the products and/or able to perform the services needed. (Government Code 14846(b)).
- A valid attempt must be made to secure offers from viable CMAS contractors who are able to supply the goods and/or provide the services. Neither a lack of sufficient CMAS contractors nor the use of restrictive requirements meets the intent for obtaining offers (SCM Volume 2, Section 1670.2).
- If requesting offers from a certified DVBE, include the Disabled Veteran Business Enterprise Declarations form (Standard 843) in the RFO. This declaration must be completed by the DVBE prime contractor and/or any DVBE subcontractors and submitted with the offer (SCM Volume 2, Section 1201).

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-23-05-1052**

- This is not a bid transaction, so the small business preference, DVBE incentives, protest language, intent to award, evaluation criteria, advertising, Administrative and Technical Requirements, etc. are not applicable. (SCM Volume 2, Section 1603).
- If less than 3 offers are received, State agencies must document their file with the reasons why the other suppliers did not respond with an offer. The reason must come from the CMAS contractor.
- Assess the offers received using best value criteria including cost as one of the criteria (SCM Volume 2, Section 1603).
- Issue a Purchase Order to the selected CMAS contractor.
- For CMAS transactions under \$10,000, only one offer is required if the State agency can establish and document that the price is fair and reasonable. The fair and reasonable method can only be used for non-customizable purchases. See SCM Volume 2, Section 1510 for Fair and Reason criteria.

Local agencies must follow their own procurement regulations. For more information see the Local Agency packet available online.

AGENCY RESPONSIBILITY

Each agency is responsible for its own contracting program and purchasing decisions, including use of the CMAS program and associated outcomes. This responsibility includes, but is not limited to, ensuring the necessity of the services, securing appropriate funding, complying with laws and policies, preparing the purchase order in a manner that safeguards the State's best interests, obtaining required approvals, and documenting compliance with GC 19130.b(3) for outsourcing services.

It is the responsibility of each agency to consult with their legal staff and contracting offices for advice depending upon the scope or complexity of the purchase order. If legal services are not available within your agency, DGS Office of Legal Services is available to provide services.

CONFLICT OF INTEREST

Agencies must evaluate the proposed purchase order to determine if there are any potential conflict of interest issues. See the CMAS Terms and Conditions, Conflict of Interest, for more information.

SPLITTING ORDERS

Splitting orders to avoid any monetary limitations is prohibited. Do not circumvent normal procurement methods by splitting purchases into a series of delegated purchase orders per PCC 10329. Splitting a project into small projects to avoid either fiscal or procedural controls is prohibited per State Administrative Manual (SAM) 4819.34.

This provision does not apply to local government agencies.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-23-05-1052**

ORDERING PROCEDURES

1. Purchase Orders

All Ordering Agency purchase order documents executed under this CMAS must contain the applicable CMAS number as show on page 1.

a. State Departments:

Standard 65 Purchase Documents – State departments not transacting in FISCal must use the Purchasing Authority Purchase Order (Standard 65) for purchase execution. An electronic version of the Standard 65 is available at the Department of General Services (DGS), Procurement Division (PD) website, select Standard (STD) Forms.

FISCAL Purchase Documents – State departments transacting in FISCal will follow the FISCal procurement and contracting procedures.

b. Local Government Agencies:

Local government agencies may use their own purchase order document for purchase execution.

The agency is required to complete and distribute the purchase order. For services, the agency shall modify the information contained on the order to include the service period (start and end date), the monthly cost (or other intermittent cost), and any other information pertinent to the services. The cost for each line item must be included in the order, not just system totals.

The contractor must immediately reject purchase orders that are not accurate. Discrepancies are to be negotiated and incorporated into the purchase order prior to product delivery and service implementation.

2. Service and Delivery after CMAS Expiration

The purchase order must be issued before the CMAS expires. However, delivery of the products or completion of the services may be after the CMAS expires (unless otherwise specifically stated in the purchase order). Amending the purchase order to add quantity, time, or money is not possible if the CMAS expired.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-23-05-1052**

3. Multiple CMAS Agreements on a Single Purchase Order

State agencies wishing to include multiple CMAS agreements on a single FISCal purchase order must adhere to the following guidelines:

- All CMAS must be for the same CMAS contractor.
- The purchase order must go to one contractor location.
- Enter the word "CMAS" in the space reserved for the Leveraged Procurement Agreement (LPA) number. The word "CMAS" signifies that the purchase order contains items from multiple CMAS agreements. The purchasing agency may only use one bill code.
- For each individual CMAS, the agency must identify and group together the CMAS number with the line items and subtotal per CMAS number (do not include tax in the subtotal), and sequentially identify each individual CMAS as Sub #1, Sub #2, Sub #3, etc. This facilitates accurate billing of administrative fees by the Procurement Division.
- The total of all items on the purchase order must not exceed the State agency's purchasing authority dollar threshold granted by DGS PAU.
- Do not combine items from IT and non-IT CMAS agreements. An Information Technology CMAS begins with the number "3" and a non-IT CMAS begins with the number "4." The purchase order limits are different for these CMAS agreements.

4. Amendments to State Agency's Purchase Orders

Agency purchase orders cannot be amended if the CMAS has expired.

SCM, Volume 2, Section 1605 provides the following directions regarding amendments to all types of LPA purchase orders:

Original orders, which include options for changes (e.g., quantity or time), that were assessed and considered in the selection for award during the RFO process, may be amended consistent with the terms of the original order, provided that the original order allowed for amendments. If the original order did not evaluate options, then amendments are not allowed unless a Non-Competitively Bid is approved for those amendments.

Amendments unique to Non-IT Services:

If the original contract permitted amendments, but did not specify the changes, (e.g., quantity or time), it may be amended. Per PCC 10335 (d)(1), a contract may only be amended once under this exemption. The time shall not exceed one year, or add not more than 30 percent of the original order value and may not exceed \$250,000. If the original contract did not have language permitting amendments, the Non-Competitively Bid process must be followed.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-23-05-1052**

CMAS CONTRACTOR OWNERSHIP INFORMATION

The CMAS contractor is a certified SB enterprise. Their Office of Small Business and DVBE Services (OSDS) certification number 2017889 expires on 2/29/2024.

If this certification has expired, the current expiration date should be verified at [Cal eProcure](#). The OSDS contact information can be found on the [OSDS website](#). Note that some companies have been assigned a new certification number, so use the company name and/or certification number when checking status on-line.

SMALL BUSINESS MUST BE CONSIDERED

Prior to placing orders under the CMAS program, State agencies must first consider offers from small businesses that have established CMAS agreements (GC 14846(b)). NOTE: DGS auditors will request substantiation of compliance with this requirement when agency files are reviewed.

[CMAS Small Business and Disabled Veteran Partners](#) can be found on the CMAS website by selecting "Find a CMAS Contractor".

In response to our commitment to increase participation by small businesses, the Department of General Services waives the administrative fee (charged to customer agencies to support the CMAS program) for orders to California certified small business enterprises.

SMALL BUSINESS/DVBE - TRACKING

State agencies are able to claim subcontracting dollars towards their SB or DVBE goals whenever the CMAS contractor subcontracts a commercially useful function to a certified SB or DVBE. The CMAS contractor will provide the ordering agency with the name of the SB or DVBE used and the dollar amount the ordering agency can apply towards its SB or DVBE goal.

SMALL BUSINESS/DVBE - SUBCONTRACTING

1. The amount an ordering agency can claim towards achieving its SB or DVBE goals is the dollar amount of the subcontract award made by the CMAS contractor to each SB or DVBE.
2. The CMAS contractor will provide an ordering agency with the following information at the time the order is quoted:
 - a. The CMAS contractor will state that, as the prime contractor, it shall be responsible for the overall execution of the fulfillment of the order.
 - b. The CMAS contractor will indicate to the ordering agency how the order meets the SB or DVBE goal, as follows:
 - i. List the name of each company that is certified by the Office of Small Business and DVBE Services that it intends to subcontract a commercially useful function to; and
 - ii. Include the SB or DVBE certification number of each company listed and attach a copy of each certification; and

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
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- iii. Indicate the dollar amount of each subcontract with a SB or DVBE that may be claimed by the ordering agency towards the SB or DVBE goal; and
 - iv. Indicate what commercially useful function the SB or DVBE subcontractor will be providing towards fulfillment of the order.
3. The ordering agency's purchase order must be addressed to the prime contractor, and the purchase order must reference the information provided by the prime contractor as outlined above.

CONTRACTORS ACTING AS FISCAL AGENTS ARE PROHIBITED

When a subcontractor ultimately provides all of the products or performs all of the services that a CMAS contractor has agreed to provide, and the prime contractor only handles the invoicing of expenditures, then the prime contractor's role becomes that of a fiscal agent because it is merely administrative in nature and does not provide a Commercially Useful Function. It is unacceptable to use fiscal agents in this manner because the agency is paying unnecessary administrative costs.

WITHHOLD LANGUAGE (SB588)

Upon delivery or completion of ordered goods or services for which the Contractor committed to DVBE subcontractor participation, state departments must require the Contractor to certify all the following:

- 1. The amount and percentage of work the Contractor committed to provide to one or more DVBEs under the requirements of the contract and the amount each DVBE received from the Contractor.
- 2. That all payments under the contract have been made to the DVBE. Upon request, the Contractor must provide proof of payment for the work.

In accordance with the Military and Veterans Code 999.7, state departments shall withhold \$10,000 from the final payment, or the full final payment if less than \$10,000, if the Contractor fails to meet the certification requirements identified above. State departments shall notify the Contractor of their failure to meet the certification requirements and give the Contractor an opportunity to comply with the certification requirements. If after 30 calendar days from the date of notice, the Contractor refuses to comply with the certification requirements, the state department shall permanently deduct \$10,000 from the final payment or the full payment if less than \$10,000.

PRODUCT SUBSTITUTIONS

Substitution of Deliverables may not be tendered without advance written consent of the Buyer. The Contractor must offer an equivalent or newer model of the product from the same manufacturer at the same or lower price. Contractor cannot use any specification in lieu of those contained in the Contract without written consent from the Buyer.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-23-05-1052**

NEW EQUIPMENT REQUIRED

The State will procure new equipment. All equipment must be new (or warranted as newly manufactured) and the latest model in current production. Used, shopworn, demonstrator, prototype, or discontinued models are not acceptable.

Where Federal Energy Management Program (FEMP) standards are available, all State agencies shall purchase only those products that meet the recommended standards. All products displaying the Energy Star label meet the FEMP standards.

SPECIAL MANUFACTURED GOODS

Any CMAS for goods to be manufactured by the CMAS contractor specifically for the State and not suitable for sale to others may require progress payments.

TRADE-IN EQUIPMENT

Trade-ins at open market price may be considered. The product description and trade-in allowance must be identified on the purchase order.

Agencies are required to adhere to SAM 3520 through 3520.6, Disposal of Personal Property and Surplus Personal Property, as applicable, when trade-ins are considered. A Property Survey Report, Standard 152, must be submitted for approval prior to disposition of any State owned personal property, including general office furniture regardless of the acquisition value, or if the property was recorded or capitalized for accounting purposes.

STATE AGENCY BUY RECYCLED CAMPAIGN

State ordering agencies are required to report purchases made within the eleven product categories in the California Department of Resources Recycling and Recovery's State Agency Buy Recycled Campaign per PCC 12200 through 12217.

Contractor will be required to complete and return a Recycled-Content Certification form upon request by the state ordering agency.

ACCEPTANCE TESTING CRITERIA

If the agency wants to include acceptance testing for all newly installed technology systems, individual equipment, and machines which are added or field modified (modification of a machine from one model to another) after a successful performance period, the test criteria must be included in the purchase order to be applicable.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-23-05-1052**

ELECTRONIC WASTE RECYCLING

State agencies are required to recycle state owned surplus electronic equipment that has no useful life remaining (E-Waste) to the maximum extent possible. State agencies shall dispose of E-Waste using the services of the California Prison Industry Authority (CALPIA), unless the agency meets the pickup quantity and location exemption criteria detailed in SAM 3520.10. Electronic equipment that is usable and still retains value is not considered E-Waste and must be reutilized through DGS, Office of Fleet and Asset Management (OFAM) Surplus Personal Property Warehouse.

State agencies shall determine which equipment meets the definition of E-Waste or reusable Electronic Equipment per the definitions provided in the SAM Management Memo (MM) 17-06. OFAM will validate that equipment meets the appropriate definition when reviewing the submitted Property Survey Report (Standard 152).

The electronic waste recycling fee must be shown as a line item on the agency purchase order before the CMAS contractor can include it on their invoice.

See SAM 3520.10 for more information on this policy.

Information for submitting a Standard 152 can be found on the [DGS OFAM surplus property website](#).

Information on the [E-Waste - CALPIA Store](#) and the [E-Waste Exemption Request Form EWR-F400](#) can be found at the CALPIA website.

PRODUCTIVE USE REQUIREMENTS

The customer in-use requirement applies to all procurements of information technology equipment and software, per Statewide Information Management Manual Section 195.

Each equipment or software component must be in current operation for a paying customer and the paying customer must be external to the contractor's organization (not owned by the contractor and not owning the contractor).

To substantiate compliance with the Productive Use Requirements, the CMAS contractor must provide upon request the name and address of a customer installation and the name and telephone number of a contact person.

The elapsed time such equipment or software must have been in operation is based upon the importance of the equipment or software for system operation and its cost. The following designates product categories and the required period of time for equipment or software operation prior to approval of the replacement item on CMAS.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
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Category 1 - Critical Software: Critical software is software that is required to control the overall operation of a computer system or peripheral equipment. Included in this category are operating systems, data base management systems, language interpreters, assemblers and compilers, communications software, and other essential system software.

Cost	Installation	Final Bid Submission
More than \$100,000	8 months	6 months
\$10,000 up to \$100,000	4 months	3 months
Less than \$10,000	1 month	1 month

Category 2 - All Information Technology Equipment and Non-Critical Software: Information technology equipment is defined in SAM 4819.2.

Cost	Installation	Final Bid Submission
More than \$100,000	6 months	4 months
\$10,000 up to \$100,000	4 months	3 months
Less than \$10,000	1 month	1 month

PRODUCT INSTALLATION

The CMAS contractor is fully responsible for all installation services performed under the CMAS. Product installations must be performed by manufacturer authorized personnel and meet manufacturer documented specifications.

The prime contractor, as well as any subcontractors, must hold any certifications and/or licenses required for the project.

PUBLIC WORKS (INSTALLATION SERVICES ONLY)

A public works contract is defined as an agreement for “the erection, construction, alteration, repair, or improvement of any public structure, building, road, or other public improvement of any kind” in accordance with PCC 1101. State agencies planning these types of projects need to review SCM, Volume 1, Chapters 10 and 11 for applicable guidelines and regulations. Visit the DGS, [Real Estate Services Division \(RESN\) website](#) if you have questions about public works transactions.

Agency CMAS purchase orders may allow for public works installation only when it is in support of the products covered by this CMAS.

Agencies are to ensure that the applicable laws and codes pertaining to the contractor and subcontractor licensing, prevailing wage rates, bonding, labor code requirements, etc. are adhered to by the prime contractor as well as any subcontractor during performance under the CMAS purchase order.

The bond amount for public works is not less than 100% of the purchase order price.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-23-05-1052**

NOTE: In accordance with Labor Code (LC) 1773.2, the ordering agency is responsible for determining the appropriate craft, classification or type of worker needed for any contract for public works. Also, the agency is to specify the applicable prevailing wage rates as determined by the Director of the Department of Industrial Relations (DIR). In lieu of specifying the prevailing wage rates, the agency may include a statement on the order that the prevailing wage rates are on file at the agency's office and will be made available upon request. The prevailing wage rates are available from DIR at www.dir.ca.gov (select Statistics & Research).

Bonds: For guidelines, see CMAS, General Terms and Conditions, Public Works Requirements.

State Contractor's License: Public works services can be obtained through CMAS only if incidental to the overall purchase order. If incidental public works services are included in the purchase order, prior to issuing the order agencies should visit the State Contractor's License Board website to verify that the Contractor's License shown below is still active and in good standing.

The CMAS contractor's California Contractor's License number is 1051330. This is a Class C-7 Low Voltage Systems license that is valid through 3/31/2025.

Cable and Wire: Cable and wire products that are purchased under this CMAS must be for information technology projects only (computers, telecommunications, and security systems) and cannot be used for general purpose installations.

Purchase orders for cable and wire installation services only are prohibited.

Cable and wire installations under this CMAS must be installed and tested to EIA/TIA Standards.

Agency questions regarding the purchase and/or installation of cable and wire for computers and/or telecommunications may be directed to the California Department of Technology, Statewide Telecommunications and Network Division.

NOT SPECIFICALLY PRICED ITEMS

The only time that open market/incidental, non-schedule items may be included in a CMAS order is when they fall under the parameters of the Not Specifically Priced (NSP) Items provision.

CMAS contractors must be authorized providers of the hardware, software and/or services they offer under the NSP Items provision.

Agency and CMAS contractor use of the NSP provision is subject to the following requirements:

1. Purchase orders containing only NSP items are prohibited.
2. A purchase order containing NSP items may be issued only if it results in the lowest overall alternative to the State.
3. NSP items shall be clearly identified in the order. Any product or service already specifically priced and included in the base schedule may not be identified as an NSP item.

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4. NSP Installation Services: The CMAS contractor is fully responsible for all installation services performed under the CMAS. Product installations must be performed by manufacturer authorized personnel and meet manufacturer documented specifications. The prime contractor, as well as any subcontractors, must hold any certifications and/or licenses required for the project. The total dollar value of all installation services included in the purchase order cannot exceed the dollar value of the products included in the purchase order, nor can they exceed the NSP Maximum Order Limitation.
5. Maximum Order Limitation: For orders \$250,000, or less, the total dollar value of all NSP items included in a purchase order shall not exceed \$5,000. For orders exceeding \$250,000, and at the option of the contractor, the total dollar value of all NSP items in a purchase order shall not exceed 5% of the total cost of the order or \$25,000 whichever is lower.
6. An NSP item included in an order issued against this CMAS is subject to all of the terms and conditions set forth in the CMAS.
7. Trade-ins, upgrades, involving the swapping of boards, are permissible, where the contract makes specific provisions for this action. In those instances, where it is permitted, the purchase order must include the replacement item and a notation that the purchase involves the swapping of a board.

The following NSP items **are specifically excluded** from any order issued under this CMAS:

1. Items not intended for use in direct support of the priced items included in the same order. An NSP item must be subordinate to the specifically priced item that it is supporting. For example, a cable, which is not otherwise specifically priced in the base schedule, is subordinate to a specifically priced printer and is eligible to be an NSP item subject to that cable meeting the remaining NSP requirements. However, a printer that is not otherwise specifically priced in the base schedule, is not subordinate to a specifically priced cable and is not eligible to be an NSP item.
2. Supply type items, except for the minimum amount necessary to provide initial support to the priced items included in the same order.
3. Items that do not meet the Productive Use Requirements for information technology products, per Statewide Information Management Manual Section 195.
4. Any other item or class of items specifically excluded from the scope of this CMAS.
5. Public Works and other services NOT in support of the products covered by this CMAS.
6. Products or services the CMAS contractor is NOT factory authorized or otherwise certified or trained to provide.

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7. Follow-on consultant services that were previously recommended or suggested by the same CMAS contractor.

The CMAS contractor is required to reject purchase orders containing NSP items that do not comply with the above requirements. The CMAS contractor will promptly notify the agency issuing the noncompliant order of its rejection and the reasons for its rejection.

STATE AND LOCAL GOVERNMENTS CAN USE CMAS

State and local government agency use of CMAS is optional. A local government is any city, county, city and county, district, or other local governmental body or corporation, including Universities of California, California State Universities, K-12 schools, and community colleges empowered to expend public funds. While the State makes this CMAS available, each local government agency should make its own determination whether the CMAS program is consistent with its procurement policies and regulations.

PCC 10298 allows any city, county, city and county, district, or other local governmental body or corporation empowered to expend public funds to contract with suppliers awarded CMAS without further competitive bidding. See complete PCC 10298 language at the California Legislative Information website.

PCC 10299 allows any school district empowered to expend public funds to utilize CMAS without further competitive bidding. See complete PCC 10299 language at the California Legislative Information website.

SELF-DELETING BASE SCHEDULE TERMS AND CONDITIONS

Instructions or terms and conditions that appear in the Special Items or other provisions of the base schedule and apply to the purchase, license, or rental (as applicable) of products or services by the US Government in the United States and/or to any overseas location shall be self-deleting. (Example: "Examinations of Records" provision).

Federal regulations and standards, such as Federal Acquisition Regulation, Federal Information Resources Management Regulation, Federal Information Processing Standards, General Services Administration Regulation, or Federal Installment Payment Agreement shall be self-deleting. Federal blanket orders and small order procedures are not applicable.

ORDER OF PRECEDENCE

The CMAS Terms and Conditions take precedence if there is a conflict between the terms and conditions of the contractor's base schedule, packaging, invoices, catalogs, brochures, technical data sheets, or other documents (see CMAS Terms and Conditions, CONFLICT OF TERMS).

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APPLICABLE CODES, POLICIES AND GUIDELINES

All California codes, policies, and guidelines are applicable. The use of CMAS does not relieve state agencies of their responsibility to meet statewide requirements regarding contracting or the procurement of goods or services. Most procurement and contract codes, policies, and guidelines are incorporated into CMAS agreements; however, there is no guarantee that every requirement that pertains to all State processes has been included.

PAYMENTS AND INVOICES

1. Payment Terms

Payment terms for this CMAS are net 45 days.

Payment will be made in accordance with the provisions of the California Prompt Payment Act, GC 927. Unless expressly exempted by statute, the Act requires State agencies to pay properly submitted, undisputed invoices not more than 45 days after (1) the date of acceptance of goods or performance of services; or (2) receipt of an undisputed invoice, whichever is later.

2. Payee Data Record (Standard 204)

State Agencies must obtain a copy of the Payee Data Record (Standard 204) in order to process payments. State Ordering Agencies must forward a copy of the Standard 204 to their accounting offices. Without the Standard 204, payment may be unnecessarily delayed. State Agencies should contact the CMAS contractor for copies of the Payee Data Record.

3. DGS Administrative and Incentive Fees

Orders from State Agencies:

DGS will bill each State agency directly an administrative fee for use of CMAS. The administrative fee should NOT be included in the order total or remitted before an invoice is received from DGS. This administrative fee is waived for CMAS purchase orders issued to California certified small businesses.

Orders from Local Government Agencies:

CMAS contractors, who are not California certified small businesses, are required to remit to DGS an incentive fee equal to a percentage of the total of all local government agency orders (excluding sales tax and shipping) placed against their CMAS.

The incentive fee is waived for CMAS purchase orders issued to California certified small businesses.

For more information on the incentive fees see the CMAS Management Guide.

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4. Contractor Invoices

Unless otherwise stipulated, the CMAS contractor must send their invoices to the agency address set forth in the purchase order. Invoices shall be submitted in triplicate and shall include the following:

- CMAS number
- Agency purchase order number
- Agency Bill Code (State Only)
- Line item number
- Unit price
- Extended line item price
- Invoice total

State sales tax and/or use tax shall be itemized separately and added to each invoice as applicable.

The company name on the CMAS, purchase order and invoice must match, or the State Controller's Office will not approve payment.

5. Advance Payments

Advance payment is allowed for services only under limited, narrowly defined circumstances, i.e., between specific departments and certain types of non-profit organizations, or when paying another government agency (GC 11256 through 11263 and 11019).

It is NOT acceptable to pay in advance, except software maintenance and license fees, which are considered a subscription and may be paid in advance if a provision addressing payment in advance is included in the purchase order.

Software warranty upgrades and extensions may also be paid for in advance, one time.

6. Credit Card

The CMAS contractor does not accept the State of California credit card (VISA CAL-Card).

7. Leasing/Financing

California State Agencies should use the Golden State Financial Marketplace (GS SMarT) program for all financing and leasing needs. California Local Government Agencies (counties, cities, K-12 school districts, community colleges, California State Universities, Universities of California, etc.) may utilize the GS SMarT program for financing and leasing according to PCC 14937. The minimum dollar amount for Local Government Agency financing and leasing is \$100,000.

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8. Lease/Purchase Analysis

California State agencies must complete a Lease/Purchase Analysis (LPA) to determine best value when contemplating a lease/rental and retain a copy for future audit purposes (SAM 3710).

For short-term rental equipment, the lease/purchase analysis must be approved by DGS Office of Legal Services.

The lease/purchase analysis for all other purchases must be approved by the Department of General Services, GS Smart State Financial Marketplace. Buyers may contact the GS Smart Unit via e-mail at SFM@dgs.ca.gov for further information.

9. Leasing

The State reserves the right to select the form of payment for all procurements, whether it is an outright purchase with payment rendered directly by the State, or a financing/lease-purchase or operating lease via the State Financial Marketplace (GS Smart and/or Lease Smart). If payment is via the financial marketplace, the CMAS contractor will invoice the State and the State will approve the invoice. The selected Lender/Lessor for all product listed on the State's procurement document will pay the supplier on behalf of the State. Buyers may contact the GS Smart Unit via e-mail at SFM@dgs.ca.gov for further information.

10. Maintenance Tax

The California Department of Tax and Fee Administration has ruled that in accordance with Section 1546 of the Sales and Use Tax Regulations of the Business Taxes Law Guide, whenever optional maintenance contracts include consumable supplies, such supplies are subject to sales tax.

Generally, the State has two options:

1. For agreements that provide for only maintenance services (i.e., the furnishing of labor and parts necessary to maintain equipment), the charges for the provision of maintenance services are not taxable.
2. For agreements that provide for both maintenance services and consumable supply items (e.g., toner, developer, staples), the provision of the consumable supplies is considered a taxable sale of tangible personal property. Therefore, State agencies awarding optional maintenance contracts are responsible for paying the applicable sales tax on the consumable supplies used during the performance period of the maintenance contract.

The Contractor will be required to itemize the taxable consumables for State accounting purposes.

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OBTAINING COPY OF CMAS

A copy of this CMAS can be obtained at [Cal eProcure](#). Links to the CMAS terms and conditions and base schedule are available on the front page of this CMAS agreement.

It is important for the agency to confirm that the required products, services, and prices are included in the CMAS and are at or below base schedule rates. To streamline verification that the needed items are in the base schedule, the agencies should ask the CMAS contractor to identify the specific location in the base schedule that include the required products, services, and prices. Once verified, agencies should save the information for their file documentation.

FEDERAL DEBARMENT

When federal funds are expended, the agency is required to obtain (retain in file) a signed "[Federal Debarment](#)" certification from the CMAS contractor before the purchase order is issued. This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 29 CFR Part 98, Section 98.510, Participants; responsibilities. The regulations were published as Part VII of the May 26, 1988 Federal Register (pages 19160-19211).

CONTRACTOR TRAVEL

The Travel provision is not applicable to this CMAS.

AMERICANS WITH DISABILITY ACT

To view the [DGS Accessibility Policy](#), please visit the DGS website.

State of California

MULTIPLE AWARD SCHEDULE

NON-MANDATORY

LAN WAN Enterprise, Inc.

CMAS NUMBER:	3-24-01-1003
CMAS TERM DATES:	1/03/2024 through 4/12/2028
EFFECTIVE DATE:	1/03/2024
CMAS CATEGORY:	Information Technology Goods and Services
APPLICABLE CMAS TERMS & CONDITIONS:	<u>March 1, 2023</u>
MAXIMUM ORDER LIMIT:	State Agencies: See Purchasing Authority Dollar Threshold provision Local Government Agencies: Unlimited
FOR USE BY:	State & Local Government Agencies
BASE SCHEDULE #:	<u>47QSWA18D003K</u>
BASE SCHEDULE HOLDER:	ICU Technologies Inc
PROGRAM ANALYST	Bryan Dugger bryan.dugger@dgs.ca.gov

This California Multiple Award Schedule (CMAS) provides for the purchase, warranty, integration, installation, maintenance, and repair of surveillance systems, security and detection systems, physical access control systems, software maintenance as a product, Software as a Service (SaaS), and other cloud computing services. (See pages 3 and 4 for the job titles and restrictions applicable to this CMAS.)

NOTICE: Products and/or services on this CMAS may be available on a Mandatory State Contract. If this is the case, the use of this CMAS is restricted unless the State agency has an approved exemption as explained in the State Contract User Instructions. Information regarding State Contracts can be obtained at the: State Contracts Index Listing. This requirement is not applicable to local government agencies.

Any reference to a specific manufacturer's or publisher's warranty or terms and conditions as shown in the base schedule are not applicable to this CMAS.

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Buyers must verify that the CMAS contractor has a letter of authorization from the manufacturer or an authorized distributor for the sale of the products covered by this CMAS. Service specific letters of authorization from the manufacturer are required if the CMAS contractor is providing installation, maintenance, and repair services.

The services provided under this CMAS are only available in support of the products covered by this CMAS.

The most current Ordering Instructions and Special Provisions, CMAS Terms and Conditions, and products and/or services are included herein. All purchase orders issued by State agencies shall incorporate these Ordering Instructions and Special Provisions and CMAS Terms and Conditions.

Agency non-compliance with the requirements may result in the loss of CMAS program delegated purchasing authority.

CMAS contractor non-compliance with the requirements may result in termination.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
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CMAS PRODUCT & SERVICE CODES

Product & Service Codes listed below are for marketing purposes only. Review the base schedule for the products and/or services available.

Brand-Avigilon
Data Commun-Network Mgmt
LAN/WAN-Wireless Network
Network-System
Security-Access Control System
Security-IT Hardware
Security-IT Network
Video Equipment-Accessories
Video-Surveillance Camera

AVAILABLE PRODUCTS AND/OR SERVICES

This CMAS provides for the purchase, warranty, integration, installation, maintenance, and repair of surveillance systems, security and detection systems, physical access control systems, software maintenance as a product, Software as a Service (SaaS), and other cloud computing services.

The ordering agency must verify all products and/or services are currently available on the base General Services Administration (GSA) schedule.

Only the following job titles are available within the scope of this CMAS:

Security Technician I
Security Technician II

The ordering agency must verify the following current information about the job titles available in the base schedule at the General Services Administration (GSA) eLibrary:

- Description of the functional requirements
- Minimum education and experience requirements
- Maximum pricing allowed (lower pricing acceptable)

FIND BASE SCHEDULE PRICING

Once on the Contractor Information page for a specific GSA schedule, the pricelist can be found either in the Contractor Terms & Conditions (T&Cs)/Pricelist document or at GSA Advantage. The Contractor T&Cs/Pricelist document is provided by the contractor as a requirement of GSA and can be found under the Contractor T&Cs/Pricelist heading by clicking on the page icon.

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If the contractor has products/services available for ordering on GSA Advantage, a 'GSA Advantage' icon will be displayed. By clicking this image link, this will execute a search against GSA Advantage. Depending on the category, whether product or service related, will return either:

- 1) If products, a listing of all products available for the contractor under this contract
- 2) If services, the same document provided under the column Contractor T&Cs/Pricelist by clicking View Contractor Information and then View Contractor Catalog.

EXCLUDED PRODUCTS AND/OR SERVICES

Software maintenance as a service, security system design, management, and life cycle support, training courses, ancillary supplies and services, and order-level materials are not available under this CMAS.

ISSUE PURCHASE ORDER TO

Agency purchase orders must be sent to the following:

**LAN WAN Enterprise, Inc.
17500 Red Hill Avenue, Suite 120
Irvine, CA 92614
Attn: Rami Dababneh**

E-mail: gsa@lanwane.com

Agencies with questions regarding products and/or services may contact the CMAS contractor as follows:

**Contact: Rami Dababneh
Phone: (714) 393-2264
E-mail: gsa@lanwane.com
Website: <https://lanwane.com/>**

TOP 500 DELINQUENT TAXPAYERS

In accordance with Public Contract Code (PCC) 10295.4, and prior to placing an order for IT goods and/or services, **agencies must verify** with the Franchise Tax Board and the California Department of Tax and Fee Administration that this CMAS contractor's name does not appear on either list of the 500 largest tax delinquencies pursuant to Revenue and Taxation Code 7063 or 19195. The Franchise Tax Board's list of Top 500 Delinquent Taxpayers is available at their website. The California Department of Tax and Fee Administration's list of Top 500 Sales & Use Tax Delinquencies in California is available at their website.

CALIFORNIA SELLER'S PERMIT

The CMAS contractor's California Seller's Permit Number is 100219114. Prior to placing an order with this company, agencies must verify that this permit is still valid at the California Department of Tax and Fee Administration website.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
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MINIMUM ORDER LIMITATION

There is no minimum dollar value limitation on orders placed under this CMAS.

CMAS PRICES

The maximum prices allowed for the products and/or services available are those set forth in the base schedule.

The ordering agency is encouraged to seek prices lower than those in the base schedule. When responding to an agency's Request for Offer (RFO), the CMAS contractor can offer lower prices to be competitive.

PRICE DISCOUNTS

This CMAS contains dollar volume discounts. See the base schedule for the specific discount percentage.

ACQUISITION OF IAAS AND/OR PAAS

If using this CMAS for the purpose of acquiring Infrastructure as a Service (IaaS) and/or Platform as a Service (PaaS), State agencies must first obtain approval to use this CMAS from the California Department of Technology (CDT) in accordance with TL 17-06. State agencies must document CDT's approval and maintain in the procurement file. Contact CDT for all questions related to the acquisition of IaaS and PaaS and TL 17-06.

EXECUTIVE ORDER N-6-22 – RUSSIA SANCTIONS

On March 4, 2022, Governor Gavin Newsom issued Executive Order N-6-22 (the EO) regarding Economic Sanctions against Russia and Russian entities and individuals. "Economic Sanctions" refers to sanctions imposed by the U.S. government in response to Russia's actions in Ukraine, as well as any sanctions imposed under state law. The EO directs state agencies to terminate contracts with, and to refrain from entering any new contracts with, individuals or entities that are determined to be a target of Economic Sanctions. Accordingly, should the State determine Contractor is a target of Economic Sanctions or is conducting prohibited transactions with sanctioned individuals or entities, that shall be grounds for termination of this agreement. The State shall provide Contractor advance written notice of such termination, allowing Contractor at least 30 calendar days to provide a written response. Termination shall be at the sole discretion of the State.

IRAN CERTIFICATION

This CMAS contractor has certified compliance with the Iran Contracting Act, per PCC 2001-2008. It is the agency's responsibility to verify that the contractor has an Iran Contracting Act Certification on file.

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CALIFORNIA CIVIL RIGHTS LAW CERTIFICATION

Pursuant to PCC 2010 applicants must certify their compliance with the California Civil Rights laws and Employer Discriminatory Policies (Civil Code 51, GC 12960). It is the agency's responsibility to verify that the contractor has a California Civil Rights Law Certification on file.

WARRANTY

For warranties, see the base schedule and the CMAS Warranty provision in the CMAS Terms and Conditions/General Provisions.

CMAS contractor personnel shall have the experience, education, and expertise as defined in the base schedule.

DELIVERY

30 days after receipt of order or as negotiated between agency and CMAS contractor and included in the purchase order.

LIQUIDATED DAMAGES FOR LATE DELIVERY

The value of the liquidated damages cannot be a penalty, must be mutually agreed upon by agency and contractor and included in the purchase order to be applicable.

SHIPPING INSTRUCTIONS

F.O.B. (Free On Board) Origin. Buying agency pays the freight charges.

State agencies shall follow the instructions below whenever the weight of the purchase is 100 lbs. or more and F.O.B. Destination, Freight Prepaid is not used. This requirement is not applicable to local government agencies.

All shipments will be made by ground transportation unless otherwise ordered on the purchase order.

Traffic Management Unit (TMU) approval is not required for any Leveraged Procurement Agreement negotiated by DGS; however, it is recommended that state agencies contact TMU for a freight weight comparison using the Freight Analysis Worksheet on the TMU website, under the "Forms" heading to ensure the state is getting the most reasonable shipping cost.

Note: If shipping charges for purchases weighing less than 100 lbs. appear to be excessive (e.g., \$500 for a 5 lb. package where the shipping charge is a percentage of the cost of the item being purchased), departments are encouraged to contact TMU for help to obtain more appropriate pricing. TMU contact information can be found at the TMU website.

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PURCHASING AUTHORITY DOLLAR THRESHOLD

Order limits for the purchase of goods and/or services is determined by the individual agency purchasing authority threshold.

No CMAS order may be executed by a State agency that exceeds that agency's purchasing authority threshold, unless an exemption is granted by the Department of General Services (DGS) Purchasing Authority Unit (PAU). State agencies with approved purchasing authority, along with their dollar thresholds can be obtained at the [List of State Departments with Approved Purchasing Authority](#) website.

HOW TO USE CMAS

State agencies must adhere to the requirements in the State Contracting Manual (SCM) Volume 2, Chapter 1600 and CMAS Ordering Instructions and Special Provisions when using CMAS.

- Develop an RFO, which includes a Scope of Work (SOW) and Bidder Declaration form. For information on the Bidder Declaration requirements see SCM, Volume 2, Sections 305 and 1202.
- Clearly defined Tasks (what needs to be done) and Deliverables (outcome of each task, i.e., reports, procedures manual, etc.) must be included in the State's SOW.
- A Work Order Authorization (WOA) may be used to document completion of pre-determined tasks, but only if the tasks are clearly defined in the SOW. The WOA may be used to approve release for the next phase of the agreement but cannot be used to identify any tasks other than the ones called out in the SOW. The WOA will be signed by all parties and may be submitted for progress payments under the award.
- Projects can be performed on a Fixed Price Per Deliverable (FP/D). Fixed Price; FP/D: A defined service, or set of services, performed by Contractor in response to a defined task, or set of tasks, at a specific fixed price, and delivered per a specific schedule. Note: When using FP/D the Statement of Work must describe in detail the particular project and the work that the selected Qualified Contractor will be required to perform.
- For Consulting or Personal services, do not include any labor categories/job titles or number of hours limit in RFO Requirements or the SOW. The CMAS Contractor provides this information in their Attachment B Cost Worksheet. The State does not have the expertise to make this decision (GC 19130(b)).
- Search for potential CMAS contractors on the CMAS website and select "Find a CMAS Contractor."
- Request offers from a minimum of 3 CMAS contractors including one small business (SB) and/or Disabled Veteran Business Enterprise (DVBE), if available, who are authorized to sell the products and/or able to perform the services needed. (Government Code 14846(b)).
- A valid attempt must be made to secure offers from viable CMAS contractors who are able to supply the goods and/or provide the services. Neither a lack of sufficient CMAS contractors nor the use of restrictive requirements meets the intent for obtaining offers (SCM Volume 2, Section 1670.2).

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
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- If requesting offers from a certified DVBE, include the Disabled Veteran Business Enterprise Declarations form (Standard 843) in the RFO. This declaration must be completed by the DVBE prime contractor and/or any DVBE subcontractors and submitted with the offer (SCM Volume 2, Section 1201).
- This is not a bid transaction, so the small business preference, DVBE incentives, protest language, intent to award, evaluation criteria, advertising, Administrative and Technical Requirements, etc. are not applicable. (SCM Volume 2, Section 1603).
- If less than 3 offers are received, State agencies must document their file with the reasons why the other suppliers did not respond with an offer. The reason must come from the CMAS contractor.
- Assess the offers received using best value criteria including cost as one of the criteria (SCM Volume 2, Section 1603).
- Issue a Purchase Order to the selected CMAS contractor.
- For CMAS transactions under \$10,000, only one offer is required if the State agency can establish and document that the price is fair and reasonable. The fair and reasonable method can only be used for non-customizable purchases. See SCM Volume 2, Section 1510 for Fair and Reason criteria.

Local agencies must follow their own procurement regulations. For more information see the Local Agency packet available online.

AGENCY RESPONSIBILITY

Each agency is responsible for its own contracting program and purchasing decisions, including use of the CMAS program and associated outcomes. This responsibility includes, but is not limited to, ensuring the necessity of the services, securing appropriate funding, complying with laws and policies, preparing the purchase order in a manner that safeguards the State's best interests, obtaining required approvals, and documenting compliance with GC 19130.b(3) for outsourcing services.

It is the responsibility of each agency to consult with their legal staff and contracting offices for advice depending upon the scope or complexity of the purchase order. If legal services are not available within your agency, DGS Office of Legal Services is available to provide services.

CONFLICT OF INTEREST

Agencies must evaluate the proposed purchase order to determine if there are any potential conflict of interest issues. See the CMAS Terms and Conditions, Conflict of Interest, for more information.

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LAN WAN ENTERPRISE, INC.
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SPLITTING ORDERS

Splitting orders to avoid any monetary limitations is prohibited. Do not circumvent normal procurement methods by splitting purchases into a series of delegated purchase orders per PCC 10329. Splitting a project into small projects to avoid either fiscal or procedural controls is prohibited per State Administrative Manual (SAM) 4819.34.

This provision does not apply to local government agencies.

ORDERING PROCEDURES

1. Purchase Orders

All Ordering Agency purchase order documents executed under this CMAS must contain the applicable CMAS number as show on page 1.

a. State Departments:

Standard 65 Purchase Documents – State departments not transacting in FISCal must use the Purchasing Authority Purchase Order (Standard 65) for purchase execution. An electronic version of the Standard 65 is available at the Department of General Services (DGS), Procurement Division (PD) website, select Standard (STD) Forms.

FISCAL Purchase Documents – State departments transacting in FISCal will follow the FISCal procurement and contracting procedures.

b. Local Government Agencies:

Local government agencies may use their own purchase order document for purchase execution.

The agency is required to complete and distribute the purchase order. For services, the agency shall modify the information contained on the order to include the service period (start and end date), the monthly cost (or other intermittent cost), and any other information pertinent to the services. The cost for each line item must be included in the order, not just system totals.

The contractor must immediately reject purchase orders that are not accurate. Discrepancies are to be negotiated and incorporated into the purchase order prior to product delivery and service implementation.

2. Service and Delivery after CMAS Expiration

The purchase order must be issued before the CMAS expires. However, delivery of the products or completion of the services may be after the CMAS expires (unless otherwise specifically stated in the purchase order). Amending the purchase order to add quantity, time, or money is not possible if the CMAS expired.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
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3. Multiple CMAS Agreements on a Single Purchase Order

State agencies wishing to include multiple CMAS agreements on a single FISCal purchase order must adhere to the following guidelines:

- All CMAS must be for the same CMAS contractor.
- The purchase order must go to one contractor location.
- Enter the word “CMAS” in the space reserved for the Leveraged Procurement Agreement (LPA) number. The word “CMAS” signifies that the purchase order contains items from multiple CMAS agreements. The purchasing agency may only use one bill code.
- For each individual CMAS, the agency must identify and group together the CMAS number with the line items and subtotal per CMAS number (do not include tax in the subtotal), and sequentially identify each individual CMAS as Sub #1, Sub #2, Sub #3, etc. This facilitates accurate billing of administrative fees by the Procurement Division.
- The total of all items on the purchase order must not exceed the State agency’s purchasing authority dollar threshold granted by DGS PAU.
- Do not combine items from IT and non-IT CMAS agreements. An Information Technology CMAS begins with the number “3” and a non-IT CMAS begins with the number “4.” The purchase order limits are different for these CMAS agreements.

4. Amendments to State Agency's Purchase Orders

Agency purchase orders cannot be amended if the CMAS has expired.

SCM, Volume 2, Section 1605 provides the following directions regarding amendments to all types of LPA purchase orders:

Original orders, which include options for changes (e.g., quantity or time), that were assessed and considered in the selection for award during the RFO process, may be amended consistent with the terms of the original order, provided that the original order allowed for amendments. If the original order did not evaluate options, then amendments are not allowed unless a Non-Competitively Bid is approved for those amendments.

Amendments unique to Non-IT Services:

If the original contract permitted amendments, but did not specify the changes, (e.g., quantity or time), it may be amended. Per PCC 10335 (d)(1), a contract may only be amended once under this exemption. The time shall not exceed one year, or add not more than 30 percent of the original order value and may not exceed \$250,000. If the original contract did not have language permitting amendments, the Non-Competitively Bid process must be followed.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-24-01-1003**

CMAS CONTRACTOR OWNERSHIP INFORMATION

The CMAS contractor is a certified SB enterprise. Their Office of Small Business and DVBE Services (OSDS) certification number 2017889 expires on 2/29/2024.

If this certification has expired, the current expiration date should be verified at [Cal eProcure](#). The OSDS contact information can be found on the [OSDS website](#). Note that some companies have been assigned a new certification number, so use the company name and/or certification number when checking status on-line.

SMALL BUSINESS MUST BE CONSIDERED

Prior to placing orders under the CMAS program, State agencies must first consider offers from small businesses that have established CMAS agreements (GC 14846(b)). NOTE: DGS auditors will request substantiation of compliance with this requirement when agency files are reviewed.

[CMAS Small Business and Disabled Veteran Partners](#) can be found on the CMAS website by selecting "Find a CMAS Contractor".

In response to our commitment to increase participation by small businesses, the Department of General Services waives the administrative fee (charged to customer agencies to support the CMAS program) for orders to California certified small business enterprises.

SMALL BUSINESS/DVBE - TRACKING

State agencies are able to claim subcontracting dollars towards their SB or DVBE goals whenever the CMAS contractor subcontracts a commercially useful function to a certified SB or DVBE. The CMAS contractor will provide the ordering agency with the name of the SB or DVBE used and the dollar amount the ordering agency can apply towards its SB or DVBE goal.

SMALL BUSINESS/DVBE - SUBCONTRACTING

1. The amount an ordering agency can claim towards achieving its SB or DVBE goals is the dollar amount of the subcontract award made by the CMAS contractor to each SB or DVBE.
2. The CMAS contractor will provide an ordering agency with the following information at the time the order is quoted:
 - a. The CMAS contractor will state that, as the prime contractor, it shall be responsible for the overall execution of the fulfillment of the order.
 - b. The CMAS contractor will indicate to the ordering agency how the order meets the SB or DVBE goal, as follows:
 - i. List the name of each company that is certified by the Office of Small Business and DVBE Services that it intends to subcontract a commercially useful function to; and
 - ii. Include the SB or DVBE certification number of each company listed and attach a copy of each certification; and

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
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- iii. Indicate the dollar amount of each subcontract with a SB or DVBE that may be claimed by the ordering agency towards the SB or DVBE goal; and
 - iv. Indicate what commercially useful function the SB or DVBE subcontractor will be providing towards fulfillment of the order.
3. The ordering agency's purchase order must be addressed to the prime contractor, and the purchase order must reference the information provided by the prime contractor as outlined above.

CONTRACTORS ACTING AS FISCAL AGENTS ARE PROHIBITED

When a subcontractor ultimately provides all of the products or performs all of the services that a CMAS contractor has agreed to provide, and the prime contractor only handles the invoicing of expenditures, then the prime contractor's role becomes that of a fiscal agent because it is merely administrative in nature and does not provide a Commercially Useful Function. It is unacceptable to use fiscal agents in this manner because the agency is paying unnecessary administrative costs.

WITHHOLD LANGUAGE (SB588)

Upon delivery or completion of ordered goods or services for which the Contractor committed to DVBE subcontractor participation, state departments must require the Contractor to certify all the following:

1. The amount and percentage of work the Contractor committed to provide to one or more DVBEs under the requirements of the contract and the amount each DVBE received from the Contractor.
2. That all payments under the contract have been made to the DVBE. Upon request, the Contractor must provide proof of payment for the work.

In accordance with the Military and Veterans Code 999.7, state departments shall withhold \$10,000 from the final payment, or the full final payment if less than \$10,000, if the Contractor fails to meet the certification requirements identified above. State departments shall notify the Contractor of their failure to meet the certification requirements and give the Contractor an opportunity to comply with the certification requirements. If after 30 calendar days from the date of notice, the Contractor refuses to comply with the certification requirements, the state department shall permanently deduct \$10,000 from the final payment or the full payment if less than \$10,000.

PRODUCT SUBSTITUTIONS

Substitution of Deliverables may not be tendered without advance written consent of the Buyer. The Contractor must offer an equivalent or newer model of the product from the same manufacturer at the same or lower price. Contractor cannot use any specification in lieu of those contained in the Contract without written consent from the Buyer.

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NEW EQUIPMENT REQUIRED

The State will procure new equipment. All equipment must be new (or warranted as newly manufactured) and the latest model in current production. Used, shopworn, demonstrator, prototype, or discontinued models are not acceptable.

Where Federal Energy Management Program (FEMP) standards are available, all State agencies shall purchase only those products that meet the recommended standards. All products displaying the Energy Star label meet the FEMP standards.

SPECIAL MANUFACTURED GOODS

Any CMAS for goods to be manufactured by the CMAS contractor specifically for the State and not suitable for sale to others may require progress payments.

TRADE-IN EQUIPMENT

Trade-ins at open market price may be considered. The product description and trade-in allowance must be identified on the purchase order.

Agencies are required to adhere to SAM 3520 through 3520.6, Disposal of Personal Property and Surplus Personal Property, as applicable, when trade-ins are considered. A Property Survey Report, Standard 152, must be submitted for approval prior to disposition of any State owned personal property, including general office furniture regardless of the acquisition value, or if the property was recorded or capitalized for accounting purposes.

STATE AGENCY BUY RECYCLED CAMPAIGN

State ordering agencies are required to report purchases made within the eleven product categories in the California Department of Resources Recycling and Recovery's State Agency Buy Recycled Campaign per PCC 12200 through 12217.

Contractor will be required to complete and return a Recycled-Content Certification form upon request by the state ordering agency.

ACCEPTANCE TESTING CRITERIA

If the agency wants to include acceptance testing for all newly installed technology systems, individual equipment, and machines which are added or field modified (modification of a machine from one model to another) after a successful performance period, the test criteria must be included in the purchase order to be applicable.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
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ELECTRONIC WASTE RECYCLING

State agencies are required to recycle state owned surplus electronic equipment that has no useful life remaining (E-Waste) to the maximum extent possible. State agencies shall dispose of E-Waste using the services of the California Prison Industry Authority (CALPIA), unless the agency meets the pickup quantity and location exemption criteria detailed in SAM 3520.10. Electronic equipment that is usable and still retains value is not considered E-Waste and must be reutilized through DGS, Office of Fleet and Asset Management (OFAM) Surplus Personal Property Warehouse.

State agencies shall determine which equipment meets the definition of E-Waste or reusable Electronic Equipment per the definitions provided in the SAM Management Memo (MM) 17-06. OFAM will validate that equipment meets the appropriate definition when reviewing the submitted Property Survey Report (Standard 152).

The electronic waste recycling fee must be shown as a line item on the agency purchase order before the CMAS contractor can include it on their invoice.

See SAM 3520.10 for more information on this policy.

Information for submitting a Standard 152 can be found on the [DGS OFAM surplus property website](#).

Information on the [E-Waste - CALPIA Store and the E-Waste Exemption Request Form EWR-F400](#) can be found at the CALPIA website.

PRODUCTIVE USE REQUIREMENTS

The customer in-use requirement applies to all procurements of information technology equipment and software, per Statewide Information Management Manual Section 195.

Each equipment or software component must be in current operation for a paying customer and the paying customer must be external to the contractor's organization (not owned by the contractor and not owning the contractor).

To substantiate compliance with the Productive Use Requirements, the CMAS contractor must provide upon request the name and address of a customer installation and the name and telephone number of a contact person.

The elapsed time such equipment or software must have been in operation is based upon the importance of the equipment or software for system operation and its cost. The following designates product categories and the required period of time for equipment or software operation prior to approval of the replacement item on CMAS.

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Category 1 - Critical Software: Critical software is software that is required to control the overall operation of a computer system or peripheral equipment. Included in this category are operating systems, data base management systems, language interpreters, assemblers and compilers, communications software, and other essential system software.

Cost	Installation	Final Bid Submission
More than \$100,000	8 months	6 months
\$10,000 up to \$100,000	4 months	3 months
Less than \$10,000	1 month	1 month

Category 2 - All Information Technology Equipment and Non-Critical Software: Information technology equipment is defined in SAM 4819.2.

Cost	Installation	Final Bid Submission
More than \$100,000	6 months	4 months
\$10,000 up to \$100,000	4 months	3 months
Less than \$10,000	1 month	1 month

PRODUCT INSTALLATION

The CMAS contractor is fully responsible for all installation services performed under the CMAS. Product installations must be performed by manufacturer authorized personnel and meet manufacturer documented specifications.

The prime contractor, as well as any subcontractors, must hold any certifications and/or licenses required for the project.

PUBLIC WORKS (INSTALLATION SERVICES ONLY)

A public works contract is defined as an agreement for “the erection, construction, alteration, repair, or improvement of any public structure, building, road, or other public improvement of any kind” in accordance with PCC 1101. State agencies planning these types of projects need to review SCM, Volume 1, Chapters 10 and 11 for applicable guidelines and regulations. Visit the DGS, Real Estate Services Division (RESN) website if you have questions about public works transactions.

Agency CMAS purchase orders may allow for public works installation only when it is in support of the products covered by this CMAS.

Agencies are to ensure that the applicable laws and codes pertaining to the contractor and subcontractor licensing, prevailing wage rates, bonding, labor code requirements, etc. are adhered to by the prime contractor as well as any subcontractor during performance under the CMAS purchase order.

The bond amount for public works is not less than 100% of the purchase order price.

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NOTE: In accordance with Labor Code (LC) 1773.2, the ordering agency is responsible for determining the appropriate craft, classification or type of worker needed for any contract for public works. Also, the agency is to specify the applicable prevailing wage rates as determined by the Director of the Department of Industrial Relations (DIR). In lieu of specifying the prevailing wage rates, the agency may include a statement on the order that the prevailing wage rates are on file at the agency's office and will be made available upon request. The prevailing wage rates are available from DIR at www.dir.ca.gov (select Statistics & Research).

Bonds: For guidelines, see CMAS, General Terms and Conditions, Public Works Requirements.

State Contractor's License: Public works services can be obtained through CMAS only if incidental to the overall purchase order. If incidental public works services are included in the purchase order, prior to issuing the order agencies should visit the State Contractor's License Board website to verify that the Contractor's License shown below is still active and in good standing.

The CMAS contractor's California Contractor's License number is 1051330. This is a Class C-7 Low Voltage Systems license that is valid through 3/31/2025.

Cable and Wire: Cable and wire products that are purchased under this CMAS must be for information technology projects only (computers, telecommunications, and security systems) and cannot be used for general purpose installations.

Purchase orders for cable and wire installation services only are prohibited.

Cable and wire installations under this CMAS must be installed and tested to EIA/TIA Standards.

Agency questions regarding the purchase and/or installation of cable and wire for computers and/or telecommunications may be directed to the California Department of Technology, Statewide Telecommunications and Network Division.

NOT SPECIFICALLY PRICED ITEMS

The only time that open market/incidental, non-schedule items may be included in a CMAS order is when they fall under the parameters of the Not Specifically Priced (NSP) Items provision.

CMAS contractors must be authorized providers of the hardware, software and/or services they offer under the NSP Items provision.

Agency and CMAS contractor use of the NSP provision is subject to the following requirements:

1. Purchase orders containing only NSP items are prohibited.
2. A purchase order containing NSP items may be issued only if it results in the lowest overall alternative to the State.
3. NSP items shall be clearly identified in the order. Any product or service already specifically priced and included in the base schedule may not be identified as an NSP item.

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4. **NSP Installation Services:** The CMAS contractor is fully responsible for all installation services performed under the CMAS. Product installations must be performed by manufacturer authorized personnel and meet manufacturer documented specifications. The prime contractor, as well as any subcontractors, must hold any certifications and/or licenses required for the project. The total dollar value of all installation services included in the purchase order cannot exceed the dollar value of the products included in the purchase order, nor can they exceed the NSP Maximum Order Limitation.
5. **Maximum Order Limitation:** For orders \$250,000, or less, the total dollar value of all NSP items included in a purchase order shall not exceed \$5,000. For orders exceeding \$250,000, and at the option of the contractor, the total dollar value of all NSP items in a purchase order shall not exceed 5% of the total cost of the order or \$25,000 whichever is lower.
6. An NSP item included in an order issued against this CMAS is subject to all of the terms and conditions set forth in the CMAS.
7. Trade-ins, upgrades, involving the swapping of boards, are permissible, where the contract makes specific provisions for this action. In those instances, where it is permitted, the purchase order must include the replacement item and a notation that the purchase involves the swapping of a board.

The following NSP items **are specifically excluded** from any order issued under this CMAS:

1. Items not intended for use in direct support of the priced items included in the same order. An NSP item must be subordinate to the specifically priced item that it is supporting. For example, a cable, which is not otherwise specifically priced in the base schedule, is subordinate to a specifically priced printer and is eligible to be an NSP item subject to that cable meeting the remaining NSP requirements. However, a printer that is not otherwise specifically priced in the base schedule, is not subordinate to a specifically priced cable and is not eligible to be an NSP item.
2. Supply type items, except for the minimum amount necessary to provide initial support to the priced items included in the same order.
3. Items that do not meet the Productive Use Requirements for information technology products, per Statewide Information Management Manual Section 195.
4. Any other item or class of items specifically excluded from the scope of this CMAS.
5. Public Works and other services NOT in support of the products covered by this CMAS.
6. Products or services the CMAS contractor is NOT factory authorized or otherwise certified or trained to provide.

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7. Follow-on consultant services that were previously recommended or suggested by the same CMAS contractor.

The CMAS contractor is required to reject purchase orders containing NSP items that do not comply with the above requirements. The CMAS contractor will promptly notify the agency issuing the noncompliant order of its rejection and the reasons for its rejection.

STATE AND LOCAL GOVERNMENTS CAN USE CMAS

State and local government agency use of CMAS is optional. A local government is any city, county, city and county, district, or other local governmental body or corporation, including Universities of California, California State Universities, K-12 schools, and community colleges empowered to expend public funds. While the State makes this CMAS available, each local government agency should make its own determination whether the CMAS program is consistent with its procurement policies and regulations.

PCC 10298 allows any city, county, city and county, district, or other local governmental body or corporation empowered to expend public funds to contract with suppliers awarded CMAS without further competitive bidding. See complete PCC 10298 language at the California Legislative Information website.

PCC 10299 allows any school district empowered to expend public funds to utilize CMAS without further competitive bidding. See complete PCC 10299 language at the California Legislative Information website.

SELF-DELETING BASE SCHEDULE TERMS AND CONDITIONS

Instructions or terms and conditions that appear in the Special Items or other provisions of the base schedule and apply to the purchase, license, or rental (as applicable) of products or services by the US Government in the United States and/or to any overseas location shall be self-deleting. (Example: "Examinations of Records" provision).

Federal regulations and standards, such as Federal Acquisition Regulation, Federal Information Resources Management Regulation, Federal Information Processing Standards, General Services Administration Regulation, or Federal Installment Payment Agreement shall be self-deleting. Federal blanket orders and small order procedures are not applicable.

ORDER OF PRECEDENCE

The CMAS Terms and Conditions take precedence if there is a conflict between the terms and conditions of the contractor's base schedule, packaging, invoices, catalogs, brochures, technical data sheets, or other documents (see CMAS Terms and Conditions, CONFLICT OF TERMS).

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APPLICABLE CODES, POLICIES AND GUIDELINES

All California codes, policies, and guidelines are applicable. The use of CMAS does not relieve state agencies of their responsibility to meet statewide requirements regarding contracting or the procurement of goods or services. Most procurement and contract codes, policies, and guidelines are incorporated into CMAS agreements; however, there is no guarantee that every requirement that pertains to all State processes has been included.

PAYMENTS AND INVOICES

1. Payment Terms

Payment terms for this CMAS are net 45 days.

Payment will be made in accordance with the provisions of the California Prompt Payment Act, GC 927. Unless expressly exempted by statute, the Act requires State agencies to pay properly submitted, undisputed invoices not more than 45 days after (1) the date of acceptance of goods or performance of services; or (2) receipt of an undisputed invoice, whichever is later.

2. Payee Data Record (Standard 204)

State Agencies must obtain a copy of the Payee Data Record (Standard 204) in order to process payments. State Ordering Agencies must forward a copy of the Standard 204 to their accounting offices. Without the Standard 204, payment may be unnecessarily delayed. State Agencies should contact the CMAS contractor for copies of the Payee Data Record.

3. DGS Administrative and Incentive Fees

Orders from State Agencies:

DGS will bill each State agency directly an administrative fee for use of CMAS. The administrative fee should NOT be included in the order total or remitted before an invoice is received from DGS. This administrative fee is waived for CMAS purchase orders issued to California certified small businesses.

Orders from Local Government Agencies:

CMAS contractors, who are not California certified small businesses, are required to remit to DGS an incentive fee equal to a percentage of the total of all local government agency orders (excluding sales tax and shipping) placed against their CMAS.

The incentive fee is waived for CMAS purchase orders issued to California certified small businesses.

For more information on the incentive fees see the [CMAS Management Guide](#).

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4. Contractor Invoices

Unless otherwise stipulated, the CMAS contractor must send their invoices to the agency address set forth in the purchase order. Invoices shall be submitted in triplicate and shall include the following:

- CMAS number
- Agency purchase order number
- Agency Bill Code (State Only)
- Line item number
- Unit price
- Extended line item price
- Invoice total

State sales tax and/or use tax shall be itemized separately and added to each invoice as applicable.

The company name on the CMAS, purchase order and invoice must match, or the State Controller's Office will not approve payment.

5. Advance Payments

Advance payment is allowed for services only under limited, narrowly defined circumstances, i.e., between specific departments and certain types of non-profit organizations, or when paying another government agency (GC 11256 through 11263 and 11019).

It is NOT acceptable to pay in advance, except software maintenance and license fees, which are considered a subscription and may be paid in advance if a provision addressing payment in advance is included in the purchase order.

Software warranty upgrades and extensions may also be paid for in advance, one time.

6. Credit Card

The CMAS contractor does not accept the State of California credit card (VISA CAL-Card).

7. Leasing/Financing

California State Agencies should use the Golden State Financial Marketplace (GS SMarT) program for all financing and leasing needs. California Local Government Agencies (counties, cities, K-12 school districts, community colleges, California State Universities, Universities of California, etc.) may utilize the GS SMarT program for financing and leasing according to PCC 14937. The minimum dollar amount for Local Government Agency financing and leasing is \$100,000.

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8. Lease/Purchase Analysis

California State agencies must complete a Lease/Purchase Analysis (LPA) to determine best value when contemplating a lease/rental and retain a copy for future audit purposes (SAM 3710).

For short-term rental equipment, the lease/purchase analysis must be approved by DGS Office of Legal Services.

The lease/purchase analysis for all other purchases must be approved by the Department of General Services, GS Smart State Financial Marketplace. Buyers may contact the GS Smart Unit via e-mail at SFM@dgs.ca.gov for further information.

9. Leasing

The State reserves the right to select the form of payment for all procurements, whether it is an outright purchase with payment rendered directly by the State, or a financing/lease-purchase or operating lease via the State Financial Marketplace (GS Smart and/or Lease Smart). If payment is via the financial marketplace, the CMAS contractor will invoice the State and the State will approve the invoice. The selected Lender/Lessor for all product listed on the State's procurement document will pay the supplier on behalf of the State. Buyers may contact the GS Smart Unit via e-mail at SFM@dgs.ca.gov for further information.

10. Maintenance Tax

The California Department of Tax and Fee Administration has ruled that in accordance with Section 1546 of the Sales and Use Tax Regulations of the Business Taxes Law Guide, whenever optional maintenance contracts include consumable supplies, such supplies are subject to sales tax.

Generally, the State has two options:

1. For agreements that provide for only maintenance services (i.e., the furnishing of labor and parts necessary to maintain equipment), the charges for the provision of maintenance services are not taxable.
2. For agreements that provide for both maintenance services and consumable supply items (e.g., toner, developer, staples), the provision of the consumable supplies is considered a taxable sale of tangible personal property. Therefore, State agencies awarding optional maintenance contracts are responsible for paying the applicable sales tax on the consumable supplies used during the performance period of the maintenance contract.

The Contractor will be required to itemize the taxable consumables for State accounting purposes.

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LAN WAN ENTERPRISE, INC.
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OBTAINING COPY OF CMAS

A copy of this CMAS can be obtained at [Cal eProcure](#). Links to the CMAS terms and conditions and base schedule are available on the front page of this CMAS agreement.

It is important for the agency to confirm that the required products, services, and prices are included in the CMAS and are at or below base schedule rates. To streamline verification that the needed items are in the base schedule, the agencies should ask the CMAS contractor to identify the specific location in the base schedule that include the required products, services, and prices. Once verified, agencies should save the information for their file documentation.

FEDERAL DEBARMENT

When federal funds are expended, the agency is required to obtain (retain in file) a signed "[Federal Debarment](#)" certification from the CMAS contractor before the purchase order is issued. This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 29 CFR Part 98, Section 98.510, Participants; responsibilities. The regulations were published as Part VII of the May 26, 1988 Federal Register (pages 19160-19211).

CONTRACTOR TRAVEL

The Travel provision is not applicable to this CMAS.

AMERICANS WITH DISABILITY ACT

To view the [DGS Accessibility Policy](#), please visit the DGS website.

State of California

MULTIPLE AWARD SCHEDULE

NON-MANDATORY

LAN WAN Enterprise, Inc.

CMAS NUMBER:	3-22-10-1022
CMAS TERM DATES:	10/12/2022 through 03/10/2026
CMAS CATEGORY:	Information Technology Goods and Services
APPLICABLE TERMS & CONDITIONS:	<u>January 20, 2022</u>
MAXIMUM ORDER LIMIT:	State Agencies: See Purchasing Authority Dollar Threshold provision Local Government Agencies: Unlimited
FOR USE BY:	State & Local Government Agencies
BASE SCHEDULE #:	<u>GS-35F-0280X</u>
BASE SCHEDULE HOLDER:	Protiviti Government Services, Inc.

This California Multiple Award Schedule (CMAS) provides for the purchase and warranty of Information Technology (IT) consulting services. (See page 2 for the job titles and restrictions applicable to this CMAS.)

The most current Ordering Instructions and Special Provisions, CMAS Terms and Conditions, and products and/or services are included herein. All purchase orders issued by State agencies shall incorporate these Ordering Instructions and Special Provisions and CMAS Terms and Conditions.

Agency non-compliance with the requirements may result in the loss of CMAS program delegated purchasing authority.

CMAS contractor non-compliance with the requirements may result in termination.

Original Signature on File

Effective Date: **10/12/2022**

Katelynne Leisenring, Program Analyst, California Multiple Award Schedules Unit

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NO 3-22-10-1022**

CMAS PRODUCT & SERVICE CODES

Product & Service Codes listed below are for marketing purposes only. Review the base schedule for the products and/or services available.

IT Consult-Internet Security
IT Consult-LAN/WAN
IT Consult-Process Reengineer
IT Consult-Programming
IT Consult-Project Mgmt
IT Consult-Project Planning
IT Consult-Quality Assurance
IT Consult-Require Analysis
IT Consult-Risk Mgmt
IT Consult-Security Assessment
IT Consult-System Integration

AVAILABLE PRODUCTS AND/OR SERVICES

Only the following job titles are available within the scope of this CMAS:

Computer Security Specialist I
Computer Security Specialist II
Computer Security Specialist III
Computer Specialist I
Computer Specialist II
Consultant II
IT Project Manager
Software/Network Engineer I
Software/Network Engineer II
Software/Network Engineer III
Subject Matter Expert I
Subject Matter Expert II
System Administrator I
System Administrator II
System Administrator III

You may verify the following current information about the job titles available in the base schedule at the General Services Administration (GSA) eLibrary:

- Description of the functional requirements
- Minimum education and experience requirements
- Maximum pricing allowed (lower pricing acceptable)

EXCLUDED PRODUCTS AND/OR SERVICES

The sale of software, software maintenance as a product, homeland security presidential directive 12 product and service components, business administrative (non-IT) consulting services and order-level materials are not available under this CMAS.

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ISSUE PURCHASE ORDER TO

Agency purchase orders must be sent to the following:

**LAN WAN Enterprise, Inc.
17500 Red Hill Ave, Suite 120
Irvine, CA 92614
Attn: Rami Dababneh**

E-mail: gsa@lanwane.com

Agencies with questions regarding products and/or services may contact the CMAS contractor as follows:

**Contact: Rami Dababneh
Phone: (714) 393-2264
E-mail: gsa@lanwane.com
Website: <https://lanwane.com/>**

TOP 500 DELINQUENT TAXPAYERS

In accordance with Public Contract Code (PCC) 10295.4, and prior to placing an order for IT goods and/or services, **agencies must verify** with the Franchise Tax Board and the California Department of Tax and Fee Administration that this CMAS contractor's name does not appear on either list of the 500 largest tax delinquencies pursuant to Revenue and Taxation Code 7063 or 19195. The Franchise Tax Board's list of Top 500 Delinquent Taxpayers is available at their website. The California Department of Tax and Fee Administration's list of Top 500 Sales & Use Tax Delinquencies in California is available at their website.

MINIMUM ORDER LIMITATION

There is no minimum dollar value limitation on orders placed under this CMAS.

CMAS PRICES

The maximum prices allowed for the products and/or services available are those set forth in the base schedule.

The ordering agency is encouraged to seek prices lower than those in the base schedule. When responding to an agency's Request for Offer (RFO), the CMAS contractor can offer lower prices to be competitive.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NO 3-22-10-1022**

EXECUTIVE ORDER N-6-22 – RUSSIA SANCTIONS

On March 4, 2022, Governor Gavin Newsom issued Executive Order N-6-22 (the EO) regarding Economic Sanctions against Russia and Russian entities and individuals. “Economic Sanctions” refers to sanctions imposed by the U.S. government in response to Russia’s actions in Ukraine, as well as any sanctions imposed under state law. The EO directs state agencies to terminate contracts with, and to refrain from entering any new contracts with, individuals or entities that are determined to be a target of Economic Sanctions. Accordingly, should the State determine Contractor is a target of Economic Sanctions or is conducting prohibited transactions with sanctioned individuals or entities, that shall be grounds for termination of this agreement. The State shall provide Contractor advance written notice of such termination, allowing Contractor at least 30 calendar days to provide a written response. Termination shall be at the sole discretion of the State.

IRAN CERTIFICATION

This CMAS contractor has certified compliance with the Iran Contracting Act, per PCC 2001-2008. It is the agency’s responsibility to verify that the contractor has an Iran Contracting Act Certification on file.

CALIFORNIA CIVIL RIGHTS LAW CERTIFICATION

Pursuant to PCC 2010 applicants must certify their compliance with the California Civil Rights laws and Employer Discriminatory Policies (Civil Code 51, GC 12960). It is the agency’s responsibility to verify that the contractor has a California Civil Rights Law Certification on file.

WARRANTY

For warranties, see the base schedule, the CMAS Terms and Conditions, General Provisions, and CMAS Warranty.

CMAS contractor personnel shall have the experience, education, and expertise as defined in the base schedule.

DELIVERY

As negotiated between agency and CMAS contractor and included in the purchase order.

SHIPPING INSTRUCTIONS

F.O.B. (Free On Board) Destination. Seller pays the freight charges.

PURCHASING AUTHORITY DOLLAR THRESHOLD

Order limits for the purchase of goods and/or services is determined by the individual agency purchasing authority threshold.

No CMAS order may be executed by a State agency that exceeds that agency’s purchasing authority threshold. State agencies with approved purchasing authority, along with their dollar thresholds can be obtained at the List of State Departments with Approved Purchasing Authority website.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NO 3-22-10-1022**

HOW TO USE CMAS

Agencies must adhere to the requirements in the State Contracting Manual (SCM) Volume 2, Chapter 1600 and CMAS Ordering Instructions and Special Provisions when using CMAS.

- Develop an RFO, which includes a Scope of Work (SOW) and Bidder Declaration form. For information on the Bidder Declaration requirements see SCM, Volume 2, Sections 305 and 1202.
- Clearly defined Tasks (what needs to be done) and Deliverables (outcome of each task, i.e., reports, procedures manual, etc.) must be included in the State's SOW.
- For Consulting or Personal services, do not include any labor categories/job titles or number of hours limit in RFO Requirements or the SOW. The CMAS Contractor provides this information in their Attachment B Cost Worksheet. The State does not have the expertise to make this decision (GC 19130(b)).
- Search for potential CMAS contractors on the CMAS website and select "Find a CMAS Contractor."
- Request offers from a minimum of 3 CMAS contractors including one small business (SB) and/or Disabled Veteran Business Enterprise (DVBE), if available, who are authorized to sell the products and/or able to perform the services needed. (Government Code 14846(b)).
- A valid attempt must be made to secure offers from viable CMAS contractors who are able to supply the goods and/or provide the services. Neither a lack of sufficient CMAS contractors nor the use of restrictive requirements meets the intent for obtaining offers (SCM Volume 2, Section 1670.2).
- If requesting offers from a certified DVBE, include the Disabled Veteran Business Enterprise Declarations form (Standard 843) in the RFO. This declaration must be completed by the DVBE prime contractor and/or any DVBE subcontractors and submitted with the offer (SCM Volume 2, Section 1201).
- This is not a bid transaction, so the small business preference, DVBE incentives, protest language, intent to award, evaluation criteria, advertising, Administrative and Technical Requirements, etc. are not applicable. (SCM Volume 2, Section 1603).
- If less than 3 offers are received, State agencies must document their file with the reasons why the other suppliers did not respond with an offer. The reason must come from the CMAS contractor.
- Assess the offers received using best value criteria including cost as one of the criteria (SCM Volume 2, Section 1603).
- Issue a Purchase Order to the selected CMAS contractor.
- For CMAS transactions under \$10,000, only one offer is required if the State agency can establish and document that the price is fair and reasonable. The fair and reasonable method can only be used for non-customizable purchases. See SCM Volume 2, Section 1510 for Fair and Reason criteria.

Local agencies must follow their own procurement regulations. For more information see the Local Agency packet available online.

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SPLITTING ORDERS

Splitting orders to avoid any monetary limitations is prohibited.

Do not circumvent normal procurement methods by splitting purchases into a series of delegated purchase orders per PCC 10329.

Splitting a project into small projects to avoid either fiscal or procedural controls is prohibited per State Administrative Manual (SAM) 4819.34.

ORDERING PROCEDURES

1. Purchase Orders

All Ordering Agency purchase order documents executed under this CMAS must contain the applicable CMAS number as show on page 1.

a. State Departments:

Standard 65 Purchase Documents – State departments not transacting in FISCal must use the Purchasing Authority Purchase Order (Standard 65) for purchase execution. An electronic version of the Standard 65 is available at the Department of General Services (DGS), Procurement Division (PD) website, select Standard (STD) Forms.

FISCAL Purchase Documents – State departments transacting in FISCal will follow the FISCal procurement and contracting procedures.

b. Local Government Agencies:

Local government agencies may use their own purchase order document for purchase execution.

The agency is required to complete and distribute the purchase order. For services, the agency shall modify the information contained on the order to include the service period (start and end date), the monthly cost (or other intermittent cost), and any other information pertinent to the services. The cost for each line item must be included in the order, not just system totals.

The contractor must immediately reject purchase orders that are not accurate. Discrepancies are to be negotiated and incorporated into the purchase order prior to product delivery and service implementation.

2. Service and Delivery after CMAS Expiration

The purchase order must be issued before the CMAS expires. However, delivery of the products or completion of the services may be after the CMAS expires (unless otherwise specifically stated in the purchase order). Amending the purchase order to add quantity, time, or money is not possible if the CMAS expired.

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3. Multiple CMAS Agreements on a Single Purchase Order

Agencies wishing to include multiple CMAS agreements on a single FISCal purchase order must adhere to the following guidelines:

- All CMAS must be for the same CMAS contractor.
- The purchase order must go to one contractor location.
- Enter the word "CMAS" in the space reserved for the Leveraged Procurement Agreement (LPA) number. The word "CMAS" signifies that the purchase order contains items from multiple CMAS agreements. The purchasing agency may only use one bill code.
- For each individual CMAS, the agency must identify and group together the CMAS number with the line items and subtotal per CMAS number (do not include tax in the subtotal), and sequentially identify each individual CMAS as Sub #1, Sub #2, Sub #3, etc. This facilitates accurate billing of administrative fees by the Procurement Division.
- The total of all items on the purchase order must not exceed the purchase order limit identified in the CMAS.
- Do not combine items from IT and non-IT CMAS agreements. An Information Technology CMAS begins with the number "3" and a non-IT CMAS begins with the number "4." The purchase order limits are different for these CMAS agreements.

4. Amendments to State Agency's Purchase Orders

Agency purchase orders cannot be amended if the CMAS has expired.

SCM, Volume 2, Section 1605 provides the following directions regarding amendments to all types of LPA purchase orders:

Original orders, which include options for changes (e.g., quantity or time), that were assessed and considered in the selection for award during the RFO process, may be amended consistent with the terms of the original order, provided that the original order allowed for amendments. If the original order did not evaluate options, then amendments are not allowed unless an NCB is approved for those amendments.

Amendments unique to Non-IT Services:

If the original contract permitted amendments, but did not specify the changes, (e.g., quantity or time), it may be amended. Per PCC 10335 (d)(1), a contract may only be amended once under this exemption. The time shall not exceed one year, or add not more than 30 percent of the original order value and may not exceed \$250,000. If the original contract did not have language permitting amendments, the NCB process must be followed.

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CMAS CONTRACTOR OWNERSHIP INFORMATION

The CMAS contractor is a certified SB enterprise. Their Office of Small Business and DVBE Services (OSDS) certification number 2017889 expires on 02/29/2024.

If this certification has expired, the current expiration date should be verified at [Cal eProcure](#). The OSDS contact information can be found on the [OSDS website](#). Note that some companies have been assigned a new certification number, so use the company name and/or certification number when checking status on-line.

SMALL BUSINESS MUST BE CONSIDERED

Prior to placing orders under the CMAS program, State agencies must first consider offers from small businesses that have established CMAS agreements (GC 14846(b)). NOTE: DGS auditors will request substantiation of compliance with this requirement when agency files are reviewed.

[CMAS Small Business and Disabled Veteran Partners](#) can be found on the CMAS website by selecting "Find a CMAS Contractor".

In response to our commitment to increase participation by small businesses, the Department of General Services waives the administrative fee (charged to customer agencies to support the CMAS program) for orders to California certified small business enterprises.

SMALL BUSINESS/DVBE - TRACKING

State agencies are able to claim subcontracting dollars towards their SB or DVBE goals whenever the CMAS contractor subcontracts a commercially useful function to a certified SB or DVBE. The CMAS contractor will provide the ordering agency with the name of the SB or DVBE used and the dollar amount the ordering agency can apply towards its SB or DVBE goal.

SMALL BUSINESS/DVBE - SUBCONTRACTING

1. The amount an ordering agency can claim towards achieving its SB or DVBE goals is the dollar amount of the subcontract award made by the CMAS contractor to each SB or DVBE.
2. The CMAS contractor will provide an ordering agency with the following information at the time the order is quoted:
 - a. The CMAS contractor will state that, as the prime contractor, it shall be responsible for the overall execution of the fulfillment of the order.
 - b. The CMAS contractor will indicate to the ordering agency how the order meets the SB or DVBE goal, as follows:
 - i. List the name of each company that is certified by the Office of Small Business and DVBE Services that it intends to subcontract a commercially useful function to; and
 - ii. Include the SB or DVBE certification number of each company listed and attach a copy of each certification; and

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- iii. Indicate the dollar amount of each subcontract with a SB or DVBE that may be claimed by the ordering agency towards the SB or DVBE goal; and
 - iv. Indicate what commercially useful function the SB or DVBE subcontractor will be providing towards fulfillment of the order.
3. The ordering agency's purchase order must be addressed to the prime contractor, and the purchase order must reference the information provided by the prime contractor as outlined above.

CONTRACTORS ACTING AS FISCAL AGENTS ARE PROHIBITED

When a subcontractor ultimately provides all of the products or performs all of the services that a CMAS contractor has agreed to provide, and the prime contractor only handles the invoicing of expenditures, then the prime contractor's role becomes that of a fiscal agent because it is merely administrative in nature and does not provide a Commercially Useful Function. It is unacceptable to use fiscal agents in this manner because the agency is paying unnecessary administrative costs.

WITHHOLD LANGUAGE (SB588)

Upon delivery or completion of ordered goods or services for which the Contractor committed to DVBE subcontractor participation, state departments must require the Contractor to certify all the following:

- 1. The amount and percentage of work the Contractor committed to provide to one or more DVBEs under the requirements of the contract and the amount each DVBE received from the Contractor.
- 2. That all payments under the contract have been made to the DVBE. Upon request, the Contractor must provide proof of payment for the work.

In accordance with the Military and Veterans Code 999.7, state departments shall withhold \$10,000 from the final payment, or the full final payment if less than \$10,000, if the Contractor fails to meet the certification requirements identified above. State departments shall notify the Contractor of their failure to meet the certification requirements and give the Contractor an opportunity to comply with the certification requirements. If after 30 calendar days from the date of notice, the Contractor refuses to comply with the certification requirements, the state department shall permanently deduct \$10,000 from the final payment or the full payment if less than \$10,000.

INTEGRATED SERVICES

Agencies are prohibited from using CMAS for large-scale information technology system integration projects except when specifically approved by the California Department of Technology.

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CONSULTING OR PERSONAL SERVICES

To ensure sufficient expertise for all consulting or personal services, prior to issuing an order, the agency is required to review the resumes of all personnel the CMAS contractor intends to use to fulfill the order. Each agency is responsible for verifying that contractor personnel meet any education or experience requirements listed in the base schedule.

Each order should contain, as a minimum, a description of the task, a statement of the contractor's responsibilities, completion criteria, a list of deliverable items (if any), the estimated start date, the scheduled completion date, and a fixed cost for each task.

The aggregate of the fixed costs for all tasks constitutes the fixed price ceiling for all tasks described.

1. Progress Payments

For an IT service CMAS see the CMAS IT Terms and Conditions, Provision #75, CMAS Progress Payments & Risk Assessment.

2. Outsourcing Services

Careful analysis must be given by State agencies to using contracted personnel rather than using civil service positions within State government.

GC 19130(c) requires that all persons who provide services to the State under conditions that constitute an employment relationship shall, unless exempted by Article VII (Section 4) of the California Constitution, be retained under an appropriate civil service appointment.

Issuing a CMAS purchase order for services to an independent contractor is permissible when any of the following conditions set forth in GC 19130(b) can be met:

- Exempt under Constitution
- New State function and legislative authority
- Service not available; highly specialized or technical
- Incidental to the purchase or lease
- Conflict of interest; need unbiased findings
- Emergency appointment
- Private counsel, with Attorney General approval and Governor's Office, if applicable
- Contractor will provide deliverables that are not feasible for the State to provide
- Training when civil service is not available
- Urgent, temporary, or occasional services when civil service delay would frustrate the purpose (see Option 2)

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When justified as outlined above, personal services must fall under one of the two following options:

Option 1. CMAS orders for personal services such as project management, independent verification and validation, systems analysis and design, and miscellaneous services are not limited to the number of hours or months per year that a consultant can work if the services contracted for are not available within civil service, cannot be performed satisfactorily by civil service employees, or are of such a highly specialized or technical nature that the necessary expert knowledge, experience, and ability are not available through the civil service system (GC 19130.b (3)).

Option 2. CMAS personal services orders for programmers, systems analysts, and technical specialists which are of an urgent, temporary, or occasional nature, such that hiring additional civil service positions is not feasible, are limited to 9 months (1,548 hours) per consultant within a twelve consecutive month period (GC 19130.b (10)/California State Constitution, Article VII, Section 5).

This provision is per agency and is inclusive of orders issued on your behalf by another agency. Contractors must wait three months from CMAS order termination/expiration before submitting the candidate's resume for work at the same agency/department.

For both options above, the contractor may conduct training courses for which appropriately qualified civil service instructors are not available provided that permanent instructor positions in academies or similar settings shall be filled through civil service appointment (GC 19130.b (9)).

For each order, the agency must prepare and retain in their file a written justification that includes specific and detailed factual information that demonstrates that the contract meets one or more of the conditions set forth in (GC 19130(b)).

3. State Personnel Board Requirements

State Personnel Board approval is required for a purchase order based on cost savings to the State as justification for not using civil service personnel.

4. Statement of Work

A Statement of Work (SOW) must be prepared as applicable for each purchase order. Information regarding the preparation of a SOW is available at the CMAS website, select "Statement of Work Information". Agencies are strongly encouraged to use this information when developing SOW requirements that will accompany the RFO and the resulting purchase order.

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5. Follow-on Contracts Are Prohibited

No person, firm, or subsidiary thereof who has been awarded a purchase order for consulting services, or a purchase order that includes a consulting component, may be awarded a purchase order for the provision of services, delivery of goods or supplies, or any other related action which is required, suggested, or otherwise deemed appropriate as an end product of the purchase order (PCC 10365.5).

Therefore, any consultant who develops a program study or provides formal recommendations is precluded from providing any work recommended in the program study or the formal recommendation.

CONTRACTOR EVALUATIONS

Pursuant to PCC 12102.3, a post evaluation must be completed for all IT services \$500,000 and over related to an IT project as defined in the SAM 4819.2. A copy of the post evaluation and subsequent comments from the contractor must be sent to Form971@state.ca.gov. A post evaluation and contractor response pursuant to PCC 12102.3 is exempt from the Public Records Act.

Buyers must complete a Post Evaluation for IT Services Contracts (STD 971) for each completed IT services contract totaling \$500,000 or more AND related to an IT project (both delegated and non-delegated IT projects as defined by the State Administrative Manual).

STATE AND LOCAL GOVERNMENTS CAN USE CMAS

State and local government agency use of CMAS is optional. A local government is any city, county, city and county, district, or other local governmental body or corporation, including Universities of California, California State Universities, K-12 schools, and community colleges empowered to expend public funds. While the State makes this CMAS available, each local government agency should make its own determination whether the CMAS program is consistent with its procurement policies and regulations.

PCC 10298 allows any city, county, city and county, district, or other local governmental body or corporation empowered to expend public funds to contract with suppliers awarded CMAS without further competitive bidding. See complete PCC 10298 language at the California Legislative Information website.

PCC 10299 allows any school district empowered to expend public funds to utilize CMAS without further competitive bidding. See complete PCC 10299 language at the California Legislative Information website.

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UPDATES AND/OR CHANGES

A CMAS supplement is not required for updates and/or changes once the update and/or change becomes effective for the base schedule, except as follows:

- A CMAS supplement is required when the CMAS is based on specific products and/or services from another contractor's multiple award contract and the contractor wants to add a new manufacturer's products and/or services.
- A CMAS supplement is required for new federal contract terms and conditions that constitute a material difference from existing contract terms and conditions. A material change has a potentially significant effect on the delivery, quantity or quality of items provided, the amount paid to the contractor or on the cost to the State.

SELF-DELETING BASE SCHEDULE TERMS AND CONDITIONS

Instructions or terms and conditions that appear in the Special Items or other provisions of the base schedule and apply to the purchase, license, or rental (as applicable) of products or services by the US Government in the United States and/or to any overseas location shall be self-deleting. (Example: "Examinations of Records" provision).

Federal regulations and standards, such as Federal Acquisition Regulation, Federal Information Resources Management Regulation, Federal Information Processing Standards, General Services Administration Regulation, or Federal Installment Payment Agreement shall be self-deleting. Federal blanket orders and small order procedures are not applicable.

ORDER OF PRECEDENCE

The CMAS Terms and Conditions take precedence if there is a conflict between the terms and conditions of the contractor's base schedule, packaging, invoices, catalogs, brochures, technical data sheets, or other documents (see CMAS Terms and Conditions, CONFLICT OF TERMS).

APPLICABLE CODES, POLICIES AND GUIDELINES

All California codes, policies, and guidelines are applicable. The use of CMAS does not relieve state agencies of their responsibility to meet statewide requirements regarding contracting or the procurement of goods or services. Most procurement and contract codes, policies, and guidelines are incorporated into CMAS agreements. However, there is no guarantee that every requirement that pertains to all State processes has been included.

PAYMENTS AND INVOICES

1. Payment Terms

Payment terms for this CMAS are net 45 days.

Payment will be made in accordance with the provisions of the California Prompt Payment Act, GC 927. Unless expressly exempted by statute, the Act requires State agencies to pay properly submitted, undisputed invoices not more than 45 days after (1) the date of acceptance of goods or performance of services; or (2) receipt of an undisputed invoice, whichever is later.

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2. Payee Data Record (Standard 204)

State Agencies must obtain a copy of the Payee Data Record (Standard 204) in order to process payments. State Ordering Agencies must forward a copy of the Standard 204 to their accounting offices. Without the Standard 204, payment may be unnecessarily delayed. State Agencies should contact the CMAS contractor for copies of the Payee Data Record.

3. DGS Administrative and Incentive Fees

Orders from State Agencies:

DGS will bill each State agency directly an administrative fee for use of CMAS. The administrative fee should NOT be included in the order total or remitted before an invoice is received from DGS. This administrative fee is waived for CMAS purchase orders issued to California certified small businesses.

Orders from Local Government Agencies:

CMAS contractors, who are not California certified small businesses, are required to remit to DGS an incentive fee equal to a percentage of the total of all local government agency orders (excluding sales tax and shipping) placed against their CMAS.

The incentive fee is waived for CMAS purchase orders issued to California certified small businesses.

For more information on the incentive fees see the CMAS Management and Information Guide.

4. Contractor Invoices

Unless otherwise stipulated, the CMAS contractor must send their invoices to the agency address set forth in the purchase order. Invoices shall be submitted in triplicate and shall include the following:

- CMAS number
- Agency purchase order number
- Agency Bill Code (State Only)
- Line item number
- Unit price
- Extended line item price
- Invoice total

State sales tax and/or use tax shall be itemized separately and added to each invoice as applicable.

The company name on the CMAS, purchase order and invoice must match or the State Controller's Office will not approve payment.

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5. Advance Payments

Advance payment is allowed for services only under limited, narrowly defined circumstances, i.e., between specific departments and certain types of non-profit organizations, or when paying another government agency (GC 11256 through 11263 and 11019).

It is NOT acceptable to pay in advance, except software maintenance and license fees, which are considered a subscription and may be paid in advance if a provision addressing payment in advance is included in the purchase order.

Software warranty upgrades and extensions may also be paid for in advance, one time.

6. Credit Card

The CMAS contractor does not accept the State of California credit card (VISA CAL-Card).

7. Leasing/Financing

California State Agencies are required to utilize the Golden State Financial Marketplace (GS SMarT) program for all financing and leasing needs. California Local Government Agencies (counties, cities, K-12 school districts, community colleges, California State Universities, Universities of California, etc.) may utilize the GS SMarT program for financing and leasing according to PCC 14937. The minimum dollar amount for Local Government Agency financing and leasing is \$100,000.

8. Leasing

The State reserves the right to select the form of payment for all procurements, whether it is an outright purchase with payment rendered directly by the State, or a financing/lease-purchase or operating lease via the State Financial Marketplace (GS SMarT and/or Lease SMarT). If payment is via the financial marketplace, the CMAS contractor will invoice the State and the State will approve the invoice. The selected Lender/Lessor for all product listed on the State's procurement document will pay the supplier on behalf of the State.

Buyers may contact the GS SMarT Administrator, Kris Bianchini via e-mail at kristopher.bianchini@dgs.ca.gov for further information.

OBTAINING COPY OF ORIGINAL CMAS AND SUPPLEMENTS

A copy of a CMAS and supplements, if any, can be obtained at Cal eProcure. A complete CMAS consists of the following:

- CMAS cover pages (which includes the signature page, ordering instructions and special provisions, and any attachments or exhibits as prepared by the CMAS Unit)
- CMAS Terms and Conditions.
- Base schedule terms and conditions
- Product/service listing and prices
- Supplements, if applicable.

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It is important for the agency to confirm that the required products, services, and prices are included in the CMAS and are at or below base schedule rates. To streamline substantiation that the needed items are in the base schedule, the agencies should ask the CMAS contractor to identify the specific pages from the base schedule that include the required products, services, and prices. Agencies should save these pages for their file documentation.

AGENCY RESPONSIBILITY

Each agency is responsible for its own contracting program and purchasing decisions, including use of the CMAS program and associated outcomes. This responsibility includes, but is not limited to, ensuring the necessity of the services, securing appropriate funding, complying with laws and policies, preparing the purchase order in a manner that safeguards the State's best interests, obtaining required approvals, and documenting compliance with GC 19130.b(3) for outsourcing services.

It is the responsibility of each agency to consult with their legal staff and contracting offices for advice depending upon the scope or complexity of the purchase order. If legal services are not available within your agency, DGS Office of Legal Services is available to provide services.

CONFLICT OF INTEREST

Agencies must evaluate the proposed purchase order to determine if there are any potential conflict of interest issues. See the CMAS Terms and Conditions, Conflict of Interest, for more information.

FEDERAL DEBARMENT

When federal funds are expended, the agency is required to obtain (retain in file) a signed "Federal Debarment" certification from the CMAS contractor before the purchase order is issued. This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 29 CFR Part 98, Section 98.510, Participants; responsibilities. The regulations were published as Part VII of the May 26, 1988 Federal Register (pages 19160-19211).

CONTRACTOR TRAVEL

Travel costs are not included in the contractor's awarded hourly rates. If an agency purchase order allows for travel costs, reimbursement for contractor's personnel for travel, per diem, lodging, meals, and incidentals shall not exceed State rates current at the time of purchase as defined in the California Department of Human Resources Rules 599.615 to 599.635. Travel costs allowed by the agency shall be itemized separately on the purchase order.

LIQUIDATED DAMAGES FOR LATE DELIVERY

The value of the liquidated damages cannot be a penalty, must be mutually agreed upon by agency and contractor and included in the purchase order to be applicable.

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ACCEPTANCE TESTING CRITERIA

If the agency wants to include acceptance testing for all newly installed technology systems, individual equipment, and machines which are added or field modified (modification of a machine from one model to another) after a successful performance period, the test criteria must be included in the purchase order to be applicable.

AMERICANS WITH DISABILITY ACT

To view the DGS Accessibility Policy, please visit the DGS website.

State of California

MULTIPLE AWARD SCHEDULE

NON-MANDATORY

LAN WAN Enterprise, Inc.

CMAS NUMBER:	3-24-01-1005
CMAS TERM DATES:	1/03/2024 through 9/15/2028
EFFECTIVE DATE:	1/03/2024
CMAS CATEGORY:	Information Technology Goods and Services
APPLICABLE CMAS TERMS & CONDITIONS:	<u>March 1, 2023</u>
MAXIMUM ORDER LIMIT:	State Agencies: See Purchasing Authority Dollar Threshold provision Local Government Agencies: Unlimited
FOR USE BY:	State & Local Government Agencies
BASE SCHEDULE #:	<u>GS-02F-0151U</u>
BASE SCHEDULE HOLDER:	Tri-State Camera Exch. Inc.
PROGRAM ANALYST	Bryan Dugger bryan.dugger@dgs.ca.gov

This California Multiple Award Schedule (CMAS) provides for the purchase, warranty, and installation of hardware, hardware maintenance and repair services, software, software maintenance as a product, printing and photographic equipment, and cloud computing services. (See page 3 for the restrictions applicable to this CMAS.)

NOTICE: Products and/or services on this CMAS may be available on a Mandatory State Contract. If this is the case, the use of this CMAS is restricted unless the State agency has an approved exemption as explained in the State Contract User Instructions. Information regarding State Contracts can be obtained at the: State Contracts Index Listing. This requirement is not applicable to local government agencies.

Any reference to a specific manufacturer's or publisher's warranty or terms and conditions as shown in the base schedule are not applicable to this CMAS.

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Buyers must verify that the CMAS contractor has a letter of authorization from the manufacturer or an authorized distributor for the sale of the products covered by this CMAS. Service specific letters of authorization from the manufacturer are required if the CMAS contractor is providing installation, maintenance, and repair services.

The services provided under this CMAS are only available in support of the products covered by this CMAS.

The most current Ordering Instructions and Special Provisions, CMAS Terms and Conditions, and products and/or services are included herein. All purchase orders issued by State agencies shall incorporate these Ordering Instructions and Special Provisions and CMAS Terms and Conditions.

Agency non-compliance with the requirements may result in the loss of CMAS program delegated purchasing authority.

CMAS contractor non-compliance with the requirements may result in termination.

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CMAS PRODUCT & SERVICE CODES

Product & Service Codes listed below are for marketing purposes only. Review the base schedule for the products and/or services available.

Brand-Cisco
Brand-Hewlett Packard (HP)
Brand-Hewlett Packard (HPE)
Controller-Facility Management
Data Commun-Data Switch
Data Commun-Network Mgmt
Data Commun-Processor
Data Commun-Technical Control
Hubs-Network
Network-Component
Network-System
Router-Network

AVAILABLE PRODUCTS AND/OR SERVICES

This CMAS provides for the purchase and warranty of hardware, hardware maintenance services, software, software maintenance as a product, printing and photographic equipment, and cloud computing services.

The ordering agency must verify all products and/or services are currently available on the base General Services Administration (GSA) schedule.

FIND BASE SCHEDULE PRICING

Once on the Contractor Information page for a specific GSA schedule, the pricelist can be found either in the Contractor Terms & Conditions (T&Cs)/Pricelist document or at GSA Advantage. The Contractor T&Cs/Pricelist document is provided by the contractor as a requirement of GSA and can be found under the Contractor T&Cs/Pricelist heading by clicking on the page icon.

If the contractor has products/services available for ordering on GSA Advantage, a 'GSA Advantage' icon will be displayed. By clicking this image link, this will execute a search against GSA Advantage. Depending on the category, whether product or service related, will return either:

- 1) If products, a listing of all products available for the contractor under this contract
- 2) If services, the same document provided under the column Contractor T&Cs/Pricelist by clicking View Contractor Information and then View Contractor Catalog.

EXCLUDED PRODUCTS AND/OR SERVICES

The purchase of non-Information Technology products, restroom products, software maintenance as a service, and order-level materials are not available under this CMAS.

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ISSUE PURCHASE ORDER TO

Agency purchase orders must be sent to the following:

**LAN WAN Enterprise, Inc.
17500 Red Hill Avenue, Suite 120
Irvine, CA 92614
Attn: Rami Dababneh**

E-mail: gsa@lanwane.com

Agencies with questions regarding products and/or services may contact the CMAS contractor as follows:

**Contact: Rami Dababneh
Phone: (714) 393-2264
E-mail: gsa@lanwane.com
Website: <https://lanwane.com/>**

TOP 500 DELINQUENT TAXPAYERS

In accordance with Public Contract Code (PCC) 10295.4, and prior to placing an order for IT goods and/or services, **agencies must verify** with the Franchise Tax Board and the California Department of Tax and Fee Administration that this CMAS contractor's name does not appear on either list of the 500 largest tax delinquencies pursuant to Revenue and Taxation Code 7063 or 19195. The Franchise Tax Board's list of Top 500 Delinquent Taxpayers is available at their website. The California Department of Tax and Fee Administration's list of Top 500 Sales & Use Tax Delinquencies in California is available at their website.

CALIFORNIA SELLER'S PERMIT

The CMAS contractor's California Seller's Permit Number is 100219114. Prior to placing an order with this company, agencies must verify that this permit is still valid at the California Department of Tax and Fee Administration website.

MINIMUM ORDER LIMITATION

There is no minimum dollar value limitation on orders placed under this CMAS.

CMAS PRICES

The maximum prices allowed for the products and/or services available are those set forth in the base schedule.

The ordering agency is encouraged to seek prices lower than those in the base schedule. When responding to an agency's Request for Offer (RFO), the CMAS contractor can offer lower prices to be competitive.

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PRICE DISCOUNTS

This CMAS contains dollar volume and prompt payment discounts. See the base schedule for the specific discount percentage.

ACQUISITION OF IAAS AND/OR PAAS

If using this CMAS for the purpose of acquiring Infrastructure as a Service (IaaS) and/or Platform as a Service (PaaS), State agencies must first obtain approval to use this CMAS from the California Department of Technology (CDT) in accordance with TL 17-06. State agencies must document CDT's approval and maintain in the procurement file. Contact CDT for all questions related to the acquisition of IaaS and PaaS and TL 17-06.

EXECUTIVE ORDER N-6-22 – RUSSIA SANCTIONS

On March 4, 2022, Governor Gavin Newsom issued Executive Order N-6-22 (the EO) regarding Economic Sanctions against Russia and Russian entities and individuals. "Economic Sanctions" refers to sanctions imposed by the U.S. government in response to Russia's actions in Ukraine, as well as any sanctions imposed under state law. The EO directs state agencies to terminate contracts with, and to refrain from entering any new contracts with, individuals or entities that are determined to be a target of Economic Sanctions. Accordingly, should the State determine Contractor is a target of Economic Sanctions or is conducting prohibited transactions with sanctioned individuals or entities, that shall be grounds for termination of this agreement. The State shall provide Contractor advance written notice of such termination, allowing Contractor at least 30 calendar days to provide a written response. Termination shall be at the sole discretion of the State.

IRAN CERTIFICATION

This CMAS contractor has certified compliance with the Iran Contracting Act, per PCC 2001-2008. It is the agency's responsibility to verify that the contractor has an Iran Contracting Act Certification on file.

CALIFORNIA CIVIL RIGHTS LAW CERTIFICATION

Pursuant to PCC 2010 applicants must certify their compliance with the California Civil Rights laws and Employer Discriminatory Policies (Civil Code 51, GC 12960). It is the agency's responsibility to verify that the contractor has a California Civil Rights Law Certification on file.

WARRANTY

For warranties, see the base schedule and the CMAS Warranty provision in the CMAS Terms and Conditions/General Provisions.

DELIVERY

4 days after receipt of order or as negotiated between agency and CMAS contractor and included in the purchase order.

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LIQUIDATED DAMAGES FOR LATE DELIVERY

The value of the liquidated damages cannot be a penalty, must be mutually agreed upon by agency and contractor and included in the purchase order to be applicable.

SHIPPING INSTRUCTIONS

F.O.B. (Free On Board) Destination. Seller pays the freight charges.

PURCHASING AUTHORITY DOLLAR THRESHOLD

Order limits for the purchase of goods and/or services is determined by the individual agency purchasing authority threshold.

No CMAS order may be executed by a State agency that exceeds that agency's purchasing authority threshold, unless an exemption is granted by the Department of General Services (DGS) Purchasing Authority Unit (PAU). State agencies with approved purchasing authority, along with their dollar thresholds can be obtained at the [List of State Departments with Approved Purchasing Authority](#) website.

HOW TO USE CMAS

State agencies must adhere to the requirements in the State Contracting Manual (SCM) Volume 2, Chapter 1600 and CMAS Ordering Instructions and Special Provisions when using CMAS.

- Develop an RFO, which includes a Scope of Work (SOW) and Bidder Declaration form. For information on the Bidder Declaration requirements see SCM, Volume 2, Sections 305 and 1202.
- Clearly defined Tasks (what needs to be done) and Deliverables (outcome of each task, i.e., reports, procedures manual, etc.) must be included in the State's SOW.
- A Work Order Authorization (WOA) may be used to document completion of pre-determined tasks, but only if the tasks are clearly defined in the SOW. The WOA may be used to approve release for the next phase of the agreement but cannot be used to identify any tasks other than the ones called out in the SOW. The WOA will be signed by all parties and may be submitted for progress payments under the award.
- Projects can be performed on a Fixed Price Per Deliverable (FP/D). Fixed Price; FP/D: A defined service, or set of services, performed by Contractor in response to a defined task, or set of tasks, at a specific fixed price, and delivered per a specific schedule. Note: When using FP/D the Statement of Work must describe in detail the particular project and the work that the selected Qualified Contractor will be required to perform.
- For Consulting or Personal services, do not include any labor categories/job titles or number of hours limit in RFO Requirements or the SOW. The CMAS Contractor provides this information in their Attachment B Cost Worksheet. The State does not have the expertise to make this decision (GC 19130(b)).
- [Search for potential CMAS contractors](#) on the CMAS website and select "Find a CMAS Contractor."

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- Request offers from a minimum of 3 CMAS contractors including one small business (SB) and/or Disabled Veteran Business Enterprise (DVBE), if available, who are authorized to sell the products and/or able to perform the services needed. (Government Code 14846(b)).
- A valid attempt must be made to secure offers from viable CMAS contractors who are able to supply the goods and/or provide the services. Neither a lack of sufficient CMAS contractors nor the use of restrictive requirements meets the intent for obtaining offers (SCM Volume 2, Section 1670.2).
- If requesting offers from a certified DVBE, include the Disabled Veteran Business Enterprise Declarations form (Standard 843) in the RFO. This declaration must be completed by the DVBE prime contractor and/or any DVBE subcontractors and submitted with the offer (SCM Volume 2, Section 1201).
- This is not a bid transaction, so the small business preference, DVBE incentives, protest language, intent to award, evaluation criteria, advertising, Administrative and Technical Requirements, etc. are not applicable. (SCM Volume 2, Section 1603).
- If less than 3 offers are received, State agencies must document their file with the reasons why the other suppliers did not respond with an offer. The reason must come from the CMAS contractor.
- Assess the offers received using best value criteria including cost as one of the criteria (SCM Volume 2, Section 1603).
- Issue a Purchase Order to the selected CMAS contractor.
- For CMAS transactions under \$10,000, only one offer is required if the State agency can establish and document that the price is fair and reasonable. The fair and reasonable method can only be used for non-customizable purchases. See SCM Volume 2, Section 1510 for Fair and Reason criteria.

Local agencies must follow their own procurement regulations. For more information see the Local Agency packet available online.

AGENCY RESPONSIBILITY

Each agency is responsible for its own contracting program and purchasing decisions, including use of the CMAS program and associated outcomes. This responsibility includes, but is not limited to, ensuring the necessity of the services, securing appropriate funding, complying with laws and policies, preparing the purchase order in a manner that safeguards the State's best interests, obtaining required approvals, and documenting compliance with GC 19130.b(3) for outsourcing services.

It is the responsibility of each agency to consult with their legal staff and contracting offices for advice depending upon the scope or complexity of the purchase order. If legal services are not available within your agency, DGS Office of Legal Services is available to provide services.

CONFLICT OF INTEREST

Agencies must evaluate the proposed purchase order to determine if there are any potential conflict of interest issues. See the CMAS Terms and Conditions, Conflict of Interest, for more information.

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SPLITTING ORDERS

Splitting orders to avoid any monetary limitations is prohibited. Do not circumvent normal procurement methods by splitting purchases into a series of delegated purchase orders per PCC 10329. Splitting a project into small projects to avoid either fiscal or procedural controls is prohibited per State Administrative Manual (SAM) 4819.34.

This provision does not apply to local government agencies.

ORDERING PROCEDURES

1. Purchase Orders

All Ordering Agency purchase order documents executed under this CMAS must contain the applicable CMAS number as show on page 1.

a. State Departments:

Standard 65 Purchase Documents – State departments not transacting in FISCal must use the Purchasing Authority Purchase Order (Standard 65) for purchase execution. An electronic version of the Standard 65 is available at the Department of General Services (DGS), Procurement Division (PD) website, select Standard (STD) Forms.

FISCAL Purchase Documents – State departments transacting in FISCal will follow the FISCal procurement and contracting procedures.

b. Local Government Agencies:

Local government agencies may use their own purchase order document for purchase execution.

The agency is required to complete and distribute the purchase order. For services, the agency shall modify the information contained on the order to include the service period (start and end date), the monthly cost (or other intermittent cost), and any other information pertinent to the services. The cost for each line item must be included in the order, not just system totals.

The contractor must immediately reject purchase orders that are not accurate. Discrepancies are to be negotiated and incorporated into the purchase order prior to product delivery and service implementation.

2. Service and Delivery after CMAS Expiration

The purchase order must be issued before the CMAS expires. However, delivery of the products or completion of the services may be after the CMAS expires (unless otherwise specifically stated in the purchase order). Amending the purchase order to add quantity, time, or money is not possible if the CMAS expired.

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3. Multiple CMAS Agreements on a Single Purchase Order

State agencies wishing to include multiple CMAS agreements on a single FISCal purchase order must adhere to the following guidelines:

- All CMAS must be for the same CMAS contractor.
- The purchase order must go to one contractor location.
- Enter the word "CMAS" in the space reserved for the Leveraged Procurement Agreement (LPA) number. The word "CMAS" signifies that the purchase order contains items from multiple CMAS agreements. The purchasing agency may only use one bill code.
- For each individual CMAS, the agency must identify and group together the CMAS number with the line items and subtotal per CMAS number (do not include tax in the subtotal), and sequentially identify each individual CMAS as Sub #1, Sub #2, Sub #3, etc. This facilitates accurate billing of administrative fees by the Procurement Division.
- The total of all items on the purchase order must not exceed the State agency's purchasing authority dollar threshold granted by DGS PAU.
- Do not combine items from IT and non-IT CMAS agreements. An Information Technology CMAS begins with the number "3" and a non-IT CMAS begins with the number "4." The purchase order limits are different for these CMAS agreements.

4. Amendments to State Agency's Purchase Orders

Agency purchase orders cannot be amended if the CMAS has expired.

SCM, Volume 2, Section 1605 provides the following directions regarding amendments to all types of LPA purchase orders:

Original orders, which include options for changes (e.g., quantity or time), that were assessed and considered in the selection for award during the RFO process, may be amended consistent with the terms of the original order, provided that the original order allowed for amendments. If the original order did not evaluate options, then amendments are not allowed unless a Non-Competitively Bid is approved for those amendments.

Amendments unique to Non-IT Services:

If the original contract permitted amendments, but did not specify the changes, (e.g., quantity or time), it may be amended. Per PCC 10335 (d)(1), a contract may only be amended once under this exemption. The time shall not exceed one year, or add not more than 30 percent of the original order value and may not exceed \$250,000. If the original contract did not have language permitting amendments, the Non-Competitively Bid process must be followed.

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CMAS CONTRACTOR OWNERSHIP INFORMATION

The CMAS contractor is a certified SB enterprise. Their Office of Small Business and DVBE Services (OSDS) certification number 2017889 expires on 2/29/2024.

If this certification has expired, the current expiration date should be verified at [Cal eProcure](#). The OSDS contact information can be found on the [OSDS website](#). Note that some companies have been assigned a new certification number, so use the company name and/or certification number when checking status on-line.

SMALL BUSINESS MUST BE CONSIDERED

Prior to placing orders under the CMAS program, State agencies must first consider offers from small businesses that have established CMAS agreements (GC 14846(b)). NOTE: DGS auditors will request substantiation of compliance with this requirement when agency files are reviewed.

[CMAS Small Business and Disabled Veteran Partners](#) can be found on the CMAS website by selecting "Find a CMAS Contractor".

In response to our commitment to increase participation by small businesses, the Department of General Services waives the administrative fee (charged to customer agencies to support the CMAS program) for orders to California certified small business enterprises.

SMALL BUSINESS/DVBE - TRACKING

State agencies are able to claim subcontracting dollars towards their SB or DVBE goals whenever the CMAS contractor subcontracts a commercially useful function to a certified SB or DVBE. The CMAS contractor will provide the ordering agency with the name of the SB or DVBE used and the dollar amount the ordering agency can apply towards its SB or DVBE goal.

SMALL BUSINESS/DVBE - SUBCONTRACTING

1. The amount an ordering agency can claim towards achieving its SB or DVBE goals is the dollar amount of the subcontract award made by the CMAS contractor to each SB or DVBE.
2. The CMAS contractor will provide an ordering agency with the following information at the time the order is quoted:
 - a. The CMAS contractor will state that, as the prime contractor, it shall be responsible for the overall execution of the fulfillment of the order.
 - b. The CMAS contractor will indicate to the ordering agency how the order meets the SB or DVBE goal, as follows:
 - i. List the name of each company that is certified by the Office of Small Business and DVBE Services that it intends to subcontract a commercially useful function to; and
 - ii. Include the SB or DVBE certification number of each company listed and attach a copy of each certification; and

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- iii. Indicate the dollar amount of each subcontract with a SB or DVBE that may be claimed by the ordering agency towards the SB or DVBE goal; and
 - iv. Indicate what commercially useful function the SB or DVBE subcontractor will be providing towards fulfillment of the order.
3. The ordering agency's purchase order must be addressed to the prime contractor, and the purchase order must reference the information provided by the prime contractor as outlined above.

CONTRACTORS ACTING AS FISCAL AGENTS ARE PROHIBITED

When a subcontractor ultimately provides all of the products or performs all of the services that a CMAS contractor has agreed to provide, and the prime contractor only handles the invoicing of expenditures, then the prime contractor's role becomes that of a fiscal agent because it is merely administrative in nature and does not provide a Commercially Useful Function. It is unacceptable to use fiscal agents in this manner because the agency is paying unnecessary administrative costs.

WITHHOLD LANGUAGE (SB588)

Upon delivery or completion of ordered goods or services for which the Contractor committed to DVBE subcontractor participation, state departments must require the Contractor to certify all the following:

- 1. The amount and percentage of work the Contractor committed to provide to one or more DVBEs under the requirements of the contract and the amount each DVBE received from the Contractor.
- 2. That all payments under the contract have been made to the DVBE. Upon request, the Contractor must provide proof of payment for the work.

In accordance with the Military and Veterans Code 999.7, state departments shall withhold \$10,000 from the final payment, or the full final payment if less than \$10,000, if the Contractor fails to meet the certification requirements identified above. State departments shall notify the Contractor of their failure to meet the certification requirements and give the Contractor an opportunity to comply with the certification requirements. If after 30 calendar days from the date of notice, the Contractor refuses to comply with the certification requirements, the state department shall permanently deduct \$10,000 from the final payment or the full payment if less than \$10,000.

PRODUCT SUBSTITUTIONS

Substitution of Deliverables may not be tendered without advance written consent of the Buyer. The Contractor must offer an equivalent or newer model of the product from the same manufacturer at the same or lower price. Contractor cannot use any specification in lieu of those contained in the Contract without written consent from the Buyer.

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NEW EQUIPMENT REQUIRED

The State will procure new equipment. All equipment must be new (or warranted as newly manufactured) and the latest model in current production. Used, shopworn, demonstrator, prototype, or discontinued models are not acceptable.

Where Federal Energy Management Program (FEMP) standards are available, all State agencies shall purchase only those products that meet the recommended standards. All products displaying the Energy Star label meet the FEMP standards.

SPECIAL MANUFACTURED GOODS

Any CMAS for goods to be manufactured by the CMAS contractor specifically for the State and not suitable for sale to others may require progress payments.

TRADE-IN EQUIPMENT

Trade-ins at open market price may be considered. The product description and trade-in allowance must be identified on the purchase order.

Agencies are required to adhere to SAM 3520 through 3520.6, Disposal of Personal Property and Surplus Personal Property, as applicable, when trade-ins are considered. A Property Survey Report, Standard 152, must be submitted for approval prior to disposition of any State owned personal property, including general office furniture regardless of the acquisition value, or if the property was recorded or capitalized for accounting purposes.

STATE AGENCY BUY RECYCLED CAMPAIGN

State ordering agencies are required to report purchases made within the eleven product categories in the California Department of Resources Recycling and Recovery's State Agency Buy Recycled Campaign per PCC 12200 through 12217.

Contractor will be required to complete and return a Recycled-Content Certification form upon request by the state ordering agency.

ACCEPTANCE TESTING CRITERIA

If the agency wants to include acceptance testing for all newly installed technology systems, individual equipment, and machines which are added or field modified (modification of a machine from one model to another) after a successful performance period, the test criteria must be included in the purchase order to be applicable.

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ELECTRONIC WASTE RECYCLING

State agencies are required to recycle state owned surplus electronic equipment that has no useful life remaining (E-Waste) to the maximum extent possible. State agencies shall dispose of E-Waste using the services of the California Prison Industry Authority (CALPIA), unless the agency meets the pickup quantity and location exemption criteria detailed in SAM 3520.10. Electronic equipment that is usable and still retains value is not considered E-Waste and must be reutilized through DGS, Office of Fleet and Asset Management (OFAM) Surplus Personal Property Warehouse.

State agencies shall determine which equipment meets the definition of E-Waste or reusable Electronic Equipment per the definitions provided in the SAM Management Memo (MM) 17-06. OFAM will validate that equipment meets the appropriate definition when reviewing the submitted Property Survey Report (Standard 152).

The electronic waste recycling fee must be shown as a line item on the agency purchase order before the CMAS contractor can include it on their invoice.

See SAM 3520.10 for more information on this policy.

Information for submitting a Standard 152 can be found on the [DGS OFAM surplus property website](#).

Information on the [E-Waste - CALPIA Store](#) and the [E-Waste Exemption Request Form EWR-F400](#) can be found at the CALPIA website.

PRODUCTIVE USE REQUIREMENTS

The customer in-use requirement applies to all procurements of information technology equipment and software, per Statewide Information Management Manual Section 195.

Each equipment or software component must be in current operation for a paying customer and the paying customer must be external to the contractor's organization (not owned by the contractor and not owning the contractor).

To substantiate compliance with the Productive Use Requirements, the CMAS contractor must provide upon request the name and address of a customer installation and the name and telephone number of a contact person.

The elapsed time such equipment or software must have been in operation is based upon the importance of the equipment or software for system operation and its cost. The following designates product categories and the required period of time for equipment or software operation prior to approval of the replacement item on CMAS.

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Category 1 - Critical Software: Critical software is software that is required to control the overall operation of a computer system or peripheral equipment. Included in this category are operating systems, data base management systems, language interpreters, assemblers and compilers, communications software, and other essential system software.

Cost	Installation	Final Bid Submission
More than \$100,000	8 months	6 months
\$10,000 up to \$100,000	4 months	3 months
Less than \$10,000	1 month	1 month

Category 2 - All Information Technology Equipment and Non-Critical Software: Information technology equipment is defined in SAM 4819.2.

Cost	Installation	Final Bid Submission
More than \$100,000	6 months	4 months
\$10,000 up to \$100,000	4 months	3 months
Less than \$10,000	1 month	1 month

PRODUCT INSTALLATION

The CMAS contractor is fully responsible for all installation services performed under the CMAS. Product installations must be performed by manufacturer authorized personnel and meet manufacturer documented specifications.

The prime contractor, as well as any subcontractors, must hold any certifications and/or licenses required for the project.

PUBLIC WORKS (INSTALLATION SERVICES ONLY)

A public works contract is defined as an agreement for “the erection, construction, alteration, repair, or improvement of any public structure, building, road, or other public improvement of any kind” in accordance with PCC 1101. State agencies planning these types of projects need to review SCM, Volume 1, Chapters 10 and 11 for applicable guidelines and regulations. Visit the DGS, [Real Estate Services Division \(RESN\) website](#) if you have questions about public works transactions.

Agency CMAS purchase orders may allow for public works installation only when it is in support of the products covered by this CMAS.

Agencies are to ensure that the applicable laws and codes pertaining to the contractor and subcontractor licensing, prevailing wage rates, bonding, labor code requirements, etc. are adhered to by the prime contractor as well as any subcontractor during performance under the CMAS purchase order.

The bond amount for public works is not less than 100% of the purchase order price.

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NOTE: In accordance with Labor Code (LC) 1773.2, the ordering agency is responsible for determining the appropriate craft, classification or type of worker needed for any contract for public works. Also, the agency is to specify the applicable prevailing wage rates as determined by the Director of the Department of Industrial Relations (DIR). In lieu of specifying the prevailing wage rates, the agency may include a statement on the order that the prevailing wage rates are on file at the agency's office and will be made available upon request. The prevailing wage rates are available from DIR at www.dir.ca.gov (select Statistics & Research).

Bonds: For guidelines, see CMAS, General Terms and Conditions, Public Works Requirements.

State Contractor's License: Public works services can be obtained through CMAS only if incidental to the overall purchase order. If incidental public works services are included in the purchase order, prior to issuing the order agencies should visit the [State Contractor's License Board](#) website to verify that the Contractor's License shown below is still active and in good standing.

The CMAS contractor's California Contractor's License number is 1051330. This is a Class C-7 Low Voltage Systems license that is valid through 3/31/2025.

Cable and Wire: Cable and wire products that are purchased under this CMAS must be for information technology projects only (computers, telecommunications, and security systems) and cannot be used for general purpose installations.

Purchase orders for cable and wire installation services only are prohibited.

Cable and wire installations under this CMAS must be installed and tested to EIA/TIA Standards.

Agency questions regarding the purchase and/or installation of cable and wire for computers and/or telecommunications may be directed to the California Department of Technology, Statewide Telecommunications and Network Division.

NOT SPECIFICALLY PRICED ITEMS

The only time that open market/incidental, non-schedule items may be included in a CMAS order is when they fall under the parameters of the Not Specifically Priced (NSP) Items provision.

CMAS contractors must be authorized providers of the hardware, software and/or services they offer under the NSP Items provision.

Agency and CMAS contractor use of the NSP provision is subject to the following requirements:

1. Purchase orders containing only NSP items are prohibited.
2. A purchase order containing NSP items may be issued only if it results in the lowest overall alternative to the State.
3. NSP items shall be clearly identified in the order. Any product or service already specifically priced and included in the base schedule may not be identified as an NSP item.

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4. NSP Installation Services: The CMAS contractor is fully responsible for all installation services performed under the CMAS. Product installations must be performed by manufacturer authorized personnel and meet manufacturer documented specifications. The prime contractor, as well as any subcontractors, must hold any certifications and/or licenses required for the project. The total dollar value of all installation services included in the purchase order cannot exceed the dollar value of the products included in the purchase order, nor can they exceed the NSP Maximum Order Limitation.
5. Maximum Order Limitation: For orders \$250,000, or less, the total dollar value of all NSP items included in a purchase order shall not exceed \$5,000. For orders exceeding \$250,000, and at the option of the contractor, the total dollar value of all NSP items in a purchase order shall not exceed 5% of the total cost of the order or \$25,000 whichever is lower.
6. An NSP item included in an order issued against this CMAS is subject to all of the terms and conditions set forth in the CMAS.
7. Trade-ins, upgrades, involving the swapping of boards, are permissible, where the contract makes specific provisions for this action. In those instances, where it is permitted, the purchase order must include the replacement item and a notation that the purchase involves the swapping of a board.

The following NSP items **are specifically excluded** from any order issued under this CMAS:

1. Items not intended for use in direct support of the priced items included in the same order. An NSP item must be subordinate to the specifically priced item that it is supporting. For example, a cable, which is not otherwise specifically priced in the base schedule, is subordinate to a specifically priced printer and is eligible to be an NSP item subject to that cable meeting the remaining NSP requirements. However, a printer that is not otherwise specifically priced in the base schedule, is not subordinate to a specifically priced cable and is not eligible to be an NSP item.
2. Supply type items, except for the minimum amount necessary to provide initial support to the priced items included in the same order.
3. Items that do not meet the Productive Use Requirements for information technology products, per Statewide Information Management Manual Section 195.
4. Any other item or class of items specifically excluded from the scope of this CMAS.
5. Public Works and other services NOT in support of the products covered by this CMAS.
6. Products or services the CMAS contractor is NOT factory authorized or otherwise certified or trained to provide.

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7. Follow-on consultant services that were previously recommended or suggested by the same CMAS contractor.

The CMAS contractor is required to reject purchase orders containing NSP items that do not comply with the above requirements. The CMAS contractor will promptly notify the agency issuing the noncompliant order of its rejection and the reasons for its rejection.

STATE AND LOCAL GOVERNMENTS CAN USE CMAS

State and local government agency use of CMAS is optional. A local government is any city, county, city and county, district, or other local governmental body or corporation, including Universities of California, California State Universities, K-12 schools, and community colleges empowered to expend public funds. While the State makes this CMAS available, each local government agency should make its own determination whether the CMAS program is consistent with its procurement policies and regulations.

PCC 10298 allows any city, county, city and county, district, or other local governmental body or corporation empowered to expend public funds to contract with suppliers awarded CMAS without further competitive bidding. See complete PCC 10298 language at the California Legislative Information website.

PCC 10299 allows any school district empowered to expend public funds to utilize CMAS without further competitive bidding. See complete PCC 10299 language at the California Legislative Information website.

SELF-DELETING BASE SCHEDULE TERMS AND CONDITIONS

Instructions or terms and conditions that appear in the Special Items or other provisions of the base schedule and apply to the purchase, license, or rental (as applicable) of products or services by the US Government in the United States and/or to any overseas location shall be self-deleting. (Example: "Examinations of Records" provision).

Federal regulations and standards, such as Federal Acquisition Regulation, Federal Information Resources Management Regulation, Federal Information Processing Standards, General Services Administration Regulation, or Federal Installment Payment Agreement shall be self-deleting. Federal blanket orders and small order procedures are not applicable.

ORDER OF PRECEDENCE

The CMAS Terms and Conditions take precedence if there is a conflict between the terms and conditions of the contractor's base schedule, packaging, invoices, catalogs, brochures, technical data sheets, or other documents (see CMAS Terms and Conditions, CONFLICT OF TERMS).

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-24-01-1005**

APPLICABLE CODES, POLICIES AND GUIDELINES

All California codes, policies, and guidelines are applicable. The use of CMAS does not relieve state agencies of their responsibility to meet statewide requirements regarding contracting or the procurement of goods or services. Most procurement and contract codes, policies, and guidelines are incorporated into CMAS agreements; however, there is no guarantee that every requirement that pertains to all State processes has been included.

PAYMENTS AND INVOICES

1. Payment Terms

Payment terms for this CMAS are net 45 days.

Payment will be made in accordance with the provisions of the California Prompt Payment Act, GC 927. Unless expressly exempted by statute, the Act requires State agencies to pay properly submitted, undisputed invoices not more than 45 days after (1) the date of acceptance of goods or performance of services; or (2) receipt of an undisputed invoice, whichever is later.

2. Payee Data Record (Standard 204)

State Agencies must obtain a copy of the Payee Data Record (Standard 204) in order to process payments. State Ordering Agencies must forward a copy of the Standard 204 to their accounting offices. Without the Standard 204, payment may be unnecessarily delayed. State Agencies should contact the CMAS contractor for copies of the Payee Data Record.

3. DGS Administrative and Incentive Fees

Orders from State Agencies:

DGS will bill each State agency directly an administrative fee for use of CMAS. The administrative fee should NOT be included in the order total or remitted before an invoice is received from DGS. This administrative fee is waived for CMAS purchase orders issued to California certified small businesses.

Orders from Local Government Agencies:

CMAS contractors, who are not California certified small businesses, are required to remit to DGS an incentive fee equal to a percentage of the total of all local government agency orders (excluding sales tax and shipping) placed against their CMAS.

The incentive fee is waived for CMAS purchase orders issued to California certified small businesses.

For more information on the incentive fees see the CMAS Management Guide.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-24-01-1005**

4. Contractor Invoices

Unless otherwise stipulated, the CMAS contractor must send their invoices to the agency address set forth in the purchase order. Invoices shall be submitted in triplicate and shall include the following:

- CMAS number
- Agency purchase order number
- Agency Bill Code (State Only)
- Line item number
- Unit price
- Extended line item price
- Invoice total

State sales tax and/or use tax shall be itemized separately and added to each invoice as applicable.

The company name on the CMAS, purchase order and invoice must match, or the State Controller's Office will not approve payment.

5. Advance Payments

Advance payment is allowed for services only under limited, narrowly defined circumstances, i.e., between specific departments and certain types of non-profit organizations, or when paying another government agency (GC 11256 through 11263 and 11019).

It is NOT acceptable to pay in advance, except software maintenance and license fees, which are considered a subscription and may be paid in advance if a provision addressing payment in advance is included in the purchase order.

Software warranty upgrades and extensions may also be paid for in advance, one time.

6. Credit Card

The CMAS contractor does not accept the State of California credit card (VISA CAL-Card).

7. Leasing/Financing

California State Agencies should use the Golden State Financial Marketplace (GS SMart) program for all financing and leasing needs. California Local Government Agencies (counties, cities, K-12 school districts, community colleges, California State Universities, Universities of California, etc.) may utilize the GS SMart program for financing and leasing according to PCC 14937. The minimum dollar amount for Local Government Agency financing and leasing is \$100,000.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-24-01-1005**

8. Lease/Purchase Analysis

California State agencies must complete a Lease/Purchase Analysis (LPA) to determine best value when contemplating a lease/rental and retain a copy for future audit purposes (SAM 3710).

For short-term rental equipment, the lease/purchase analysis must be approved by DGS Office of Legal Services.

The lease/purchase analysis for all other purchases must be approved by the Department of General Services, GS Smart State Financial Marketplace. Buyers may contact the GS Smart Unit via e-mail at SFM@dgs.ca.gov for further information.

9. Leasing

The State reserves the right to select the form of payment for all procurements, whether it is an outright purchase with payment rendered directly by the State, or a financing/lease-purchase or operating lease via the State Financial Marketplace (GS Smart and/or Lease Smart). If payment is via the financial marketplace, the CMAS contractor will invoice the State and the State will approve the invoice. The selected Lender/Lessor for all product listed on the State's procurement document will pay the supplier on behalf of the State. Buyers may contact the GS Smart Unit via e-mail at SFM@dgs.ca.gov for further information.

10. Maintenance Tax

The California Department of Tax and Fee Administration has ruled that in accordance with Section 1546 of the Sales and Use Tax Regulations of the Business Taxes Law Guide, whenever optional maintenance contracts include consumable supplies, such supplies are subject to sales tax.

Generally, the State has two options:

1. For agreements that provide for only maintenance services (i.e., the furnishing of labor and parts necessary to maintain equipment), the charges for the provision of maintenance services are not taxable.
2. For agreements that provide for both maintenance services and consumable supply items (e.g., toner, developer, staples), the provision of the consumable supplies is considered a taxable sale of tangible personal property. Therefore, State agencies awarding optional maintenance contracts are responsible for paying the applicable sales tax on the consumable supplies used during the performance period of the maintenance contract.

The Contractor will be required to itemize the taxable consumables for State accounting purposes.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-24-01-1005**

OBTAINING COPY OF CMAS

A copy of this CMAS can be obtained at [Cal eProcure](#). Links to the CMAS terms and conditions and base schedule are available on the front page of this CMAS agreement.

It is important for the agency to confirm that the required products, services, and prices are included in the CMAS and are at or below base schedule rates. To streamline verification that the needed items are in the base schedule, the agencies should ask the CMAS contractor to identify the specific location in the base schedule that include the required products, services, and prices. Once verified, agencies should save the information for their file documentation.

FEDERAL DEBARMENT

When federal funds are expended, the agency is required to obtain (retain in file) a signed "[Federal Debarment](#)" certification from the CMAS contractor before the purchase order is issued. This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 29 CFR Part 98, Section 98.510, Participants; responsibilities. The regulations were published as Part VII of the May 26, 1988 Federal Register (pages 19160-19211).

CONTRACTOR TRAVEL

The Travel provision is not applicable to this CMAS.

AMERICANS WITH DISABILITY ACT

To view the [DGS Accessibility Policy](#), please visit the DGS website.

State of California

MULTIPLE AWARD SCHEDULE

NON-MANDATORY

LAN WAN Enterprise, Inc.

CMAS NUMBER:	3-24-02-1012
CMAS TERM DATES:	2/06/2024 through 8/21/2028
EFFECTIVE DATE:	2/06/2024
CMAS CATEGORY:	Information Technology Goods and Services
APPLICABLE CMAS TERMS & CONDITIONS:	<u>March 1, 2023</u>
MAXIMUM ORDER LIMIT:	State Agencies: See Purchasing Authority Dollar Threshold provision Local Government Agencies: Unlimited
FOR USE BY:	State & Local Government Agencies
BASE SCHEDULE #:	<u>47QSWA18D008F</u>
BASE SCHEDULE HOLDER:	Carahsoft Technology Corp
PROGRAM ANALYST	Bryan Dugger bryan.dugger@dgs.ca.gov

This California Multiple Award Schedule (CMAS) provides for the purchase and warranty of hardware, hardware maintenance and repair services, software, software maintenance as a product, electronic commerce and subscription services, and cloud computing services. (See page 3 for the specific brand and restrictions applicable to this CMAS.)

NOTICE: Products and/or services on this CMAS may be available on a Mandatory State Contract. If this is the case, the use of this CMAS is restricted unless the State agency has an approved exemption as explained in the State Contract User Instructions. Information regarding State Contracts can be obtained at the: [State Contracts Index Listing](#). This requirement is not applicable to local government agencies.

Any reference to a specific manufacturer's or publisher's warranty or terms and conditions as shown in the base schedule are not applicable to this CMAS.

CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
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Buyers must verify that the CMAS contractor has a letter of authorization from the manufacturer or an authorized distributor for the sale of the products covered by this CMAS. Service specific letters of authorization from the manufacturer are required if the CMAS contractor is providing maintenance and repair services.

The services provided under this CMAS are only available in support of the products covered by this CMAS.

The most current Ordering Instructions and Special Provisions, CMAS Terms and Conditions, and products and/or services are included herein. All purchase orders issued by State agencies shall incorporate these Ordering Instructions and Special Provisions and CMAS Terms and Conditions.

Agency non-compliance with the requirements may result in the loss of CMAS program delegated purchasing authority.

CMAS contractor non-compliance with the requirements may result in termination.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-24-02-1012**

CMAS PRODUCT & SERVICE CODES

Product & Service Codes listed below are for marketing purposes only. Review the base schedule for the products and/or services available.

Brand-Gridless Power
Solar-Power Equip

AVAILABLE PRODUCTS AND/OR SERVICES

Only products from the manufacturer/publisher listed are available within the scope of this CMAS:

Gridless Power

The ordering agency must verify all products and/or services are currently available on the base General Services Administration (GSA) schedule.

FIND BASE SCHEDULE PRICING

Once on the Contractor Information page for a specific GSA schedule, the pricelist can be found either in the Contractor Terms & Conditions (T&Cs)/Pricelist document or at GSA Advantage. The Contractor T&Cs/Pricelist document is provided by the contractor as a requirement of GSA and can be found under the Contractor T&Cs/Pricelist heading by clicking on the page icon.

If the contractor has products/services available for ordering on GSA Advantage, a 'GSA Advantage' icon will be displayed. By clicking this image link, this will execute a search against GSA Advantage. Depending on the category, whether product or service related, will return either:

- 1) If products, a listing of all products available for the contractor under this contract
- 2) If services, the same document provided under the column Contractor T&Cs/Pricelist by clicking View Contractor Information and then View Contractor Catalog.

EXCLUDED PRODUCTS AND/OR SERVICES

Software maintenance as a service, 3D printing solutions and additive manufacturing solutions, electric and autonomous vehicles and accessories, physical records management services, electronic records management solutions, financial management quality service management office core financial management solutions and IT professional services, Earth observation solutions, Information Technology (IT) consulting services, automated contact center solutions, training courses, ancillary supplies and services, and order-level materials are not available under this CMAS.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-24-02-1012**

ISSUE PURCHASE ORDER TO

Agency purchase orders must be sent to the following:

**LAN WAN Enterprise, Inc.
17500 Red Hill Avenue, Suite 120
Irvine, CA 92614
Attn: Rami Dababneh**

E-mail: gsa@lanwane.com

Agencies with questions regarding products and/or services may contact the CMAS contractor as follows:

**Contact: Rami Dababneh
Phone: (714) 393-2264
E-mail: gsa@lanwane.com
Website: <https://lanwane.com/>**

TOP 500 DELINQUENT TAXPAYERS

In accordance with Public Contract Code (PCC) 10295.4, and prior to placing an order for IT goods and/or services, **agencies must verify** with the Franchise Tax Board and the California Department of Tax and Fee Administration that this CMAS contractor's name does not appear on either list of the 500 largest tax delinquencies pursuant to Revenue and Taxation Code 7063 or 19195. The Franchise Tax Board's list of Top 500 Delinquent Taxpayers is available at their website. The California Department of Tax and Fee Administration's list of Top 500 Sales & Use Tax Delinquencies in California is available at their website.

CALIFORNIA SELLER'S PERMIT

The CMAS contractor's California Seller's Permit Number is 100219114. Prior to placing an order with this company, agencies must verify that this permit is still valid at the California Department of Tax and Fee Administration website.

MINIMUM ORDER LIMITATION

The minimum dollar value of an order to be issued under this CMAS is \$100.

CMAS PRICES

The maximum prices allowed for the products and/or services available are those set forth in the base schedule.

The ordering agency is encouraged to seek prices lower than those in the base schedule. When responding to an agency's Request for Offer (RFO), the CMAS contractor can offer lower prices to be competitive.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-24-02-1012**

ACQUISITION OF IAAS AND/OR PAAS

If using this CMAS for the purpose of acquiring Infrastructure as a Service (IaaS) and/or Platform as a Service (PaaS), State agencies must first obtain approval to use this CMAS from the California Department of Technology (CDT) in accordance with TL 17-06. State agencies must document CDT's approval and maintain in the procurement file. Contact CDT for all questions related to the acquisition of IaaS and PaaS and TL 17-06.

EXECUTIVE ORDER N-6-22 – RUSSIA SANCTIONS

On March 4, 2022, Governor Gavin Newsom issued Executive Order N-6-22 (the EO) regarding Economic Sanctions against Russia and Russian entities and individuals. "Economic Sanctions" refers to sanctions imposed by the U.S. government in response to Russia's actions in Ukraine, as well as any sanctions imposed under state law. The EO directs state agencies to terminate contracts with, and to refrain from entering any new contracts with, individuals or entities that are determined to be a target of Economic Sanctions. Accordingly, should the State determine Contractor is a target of Economic Sanctions or is conducting prohibited transactions with sanctioned individuals or entities, that shall be grounds for termination of this agreement. The State shall provide Contractor advance written notice of such termination, allowing Contractor at least 30 calendar days to provide a written response. Termination shall be at the sole discretion of the State.

IRAN CERTIFICATION

This CMAS contractor has certified compliance with the Iran Contracting Act, per PCC 2001-2008. It is the agency's responsibility to verify that the contractor has an Iran Contracting Act Certification on file.

CALIFORNIA CIVIL RIGHTS LAW CERTIFICATION

Pursuant to PCC 2010 applicants must certify their compliance with the California Civil Rights laws and Employer Discriminatory Policies (Civil Code 51, GC 12960). It is the agency's responsibility to verify that the contractor has a California Civil Rights Law Certification on file.

WARRANTY

For warranties, see the base schedule and the CMAS Warranty provision in the CMAS Terms and Conditions/General Provisions.

DELIVERY

30 days after receipt of order or as negotiated between agency and CMAS contractor and included in the purchase order.

LIQUIDATED DAMAGES FOR LATE DELIVERY

The value of the liquidated damages cannot be a penalty, must be mutually agreed upon by agency and contractor and included in the purchase order to be applicable.

CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
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SHIPPING INSTRUCTIONS

F.O.B. (Free On Board) Destination. Seller pays the freight charges.

PURCHASING AUTHORITY DOLLAR THRESHOLD

Order limits for the purchase of goods and/or services is determined by the individual agency purchasing authority threshold.

No CMAS order may be executed by a State agency that exceeds that agency's purchasing authority threshold, unless an exemption is granted by the Department of General Services (DGS) Purchasing Authority Unit (PAU). State agencies with approved purchasing authority, along with their dollar thresholds can be obtained at the List of State Departments with Approved Purchasing Authority website.

HOW TO USE CMAS

State agencies must adhere to the requirements in the State Contracting Manual (SCM) Volume 2, Chapter 1600 and CMAS Ordering Instructions and Special Provisions when using CMAS.

- Develop an RFO, which includes a Scope of Work (SOW) and Bidder Declaration form. For information on the Bidder Declaration requirements see SCM, Volume 2, Sections 305 and 1202.
- Clearly defined Tasks (what needs to be done) and Deliverables (outcome of each task, i.e., reports, procedures manual, etc.) must be included in the State's SOW.
- A Work Order Authorization (WOA) may be used to document completion of pre-determined tasks, but only if the tasks are clearly defined in the SOW. The WOA may be used to approve release for the next phase of the agreement but cannot be used to identify any tasks other than the ones called out in the SOW. The WOA will be signed by all parties and may be submitted for progress payments under the award.
- Projects can be performed on a Fixed Price Per Deliverable (FP/D). Fixed Price; FP/D: A defined service, or set of services, performed by Contractor in response to a defined task, or set of tasks, at a specific fixed price, and delivered per a specific schedule. Note: When using FP/D the Statement of Work must describe in detail the particular project and the work that the selected Qualified Contractor will be required to perform.
- For Consulting or Personal services, do not include any labor categories/job titles or number of hours limit in RFO Requirements or the SOW. The CMAS Contractor provides this information in their Attachment B Cost Worksheet. The State does not have the expertise to make this decision (GC 19130(b)).
- Search for potential CMAS contractors on the CMAS website and select "Find a CMAS Contractor."
- Request offers from a minimum of 3 CMAS contractors including one small business (SB) and/or Disabled Veteran Business Enterprise (DVBE), if available, who are authorized to sell the products and/or able to perform the services needed. (Government Code 14846(b)).

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
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- A valid attempt must be made to secure offers from viable CMAS contractors who are able to supply the goods and/or provide the services. Neither a lack of sufficient CMAS contractors nor the use of restrictive requirements meets the intent for obtaining offers (SCM Volume 2, Section 1670.2).
- If requesting offers from a certified DVBE, include the Disabled Veteran Business Enterprise Declarations form (Standard 843) in the RFO. This declaration must be completed by the DVBE prime contractor and/or any DVBE subcontractors and submitted with the offer (SCM Volume 2, Section 1201).
- This is not a bid transaction, so the small business preference, DVBE incentives, protest language, intent to award, evaluation criteria, advertising, Administrative and Technical Requirements, etc. are not applicable. (SCM Volume 2, Section 1603).
- If less than 3 offers are received, State agencies must document their file with the reasons why the other suppliers did not respond with an offer. The reason must come from the CMAS contractor.
- Assess the offers received using best value criteria including cost as one of the criteria (SCM Volume 2, Section 1603).
- Issue a Purchase Order to the selected CMAS contractor.
- For CMAS transactions under \$10,000, only one offer is required if the State agency can establish and document that the price is fair and reasonable. The fair and reasonable method can only be used for non-customizable purchases. See SCM Volume 2, Section 1510 for Fair and Reason criteria.

Local agencies must follow their own procurement regulations. For more information see the Local Agency packet available online.

AGENCY RESPONSIBILITY

Each agency is responsible for its own contracting program and purchasing decisions, including use of the CMAS program and associated outcomes. This responsibility includes, but is not limited to, ensuring the necessity of the services, securing appropriate funding, complying with laws and policies, preparing the purchase order in a manner that safeguards the State's best interests, obtaining required approvals, and documenting compliance with GC 19130.b(3) for outsourcing services.

It is the responsibility of each agency to consult with their legal staff and contracting offices for advice depending upon the scope or complexity of the purchase order. If legal services are not available within your agency, DGS Office of Legal Services is available to provide services.

CONFLICT OF INTEREST

Agencies must evaluate the proposed purchase order to determine if there are any potential conflict of interest issues. See the CMAS Terms and Conditions, Conflict of Interest, for more information.

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SPLITTING ORDERS

Splitting orders to avoid any monetary limitations is prohibited. Do not circumvent normal procurement methods by splitting purchases into a series of delegated purchase orders per PCC 10329. Splitting a project into small projects to avoid either fiscal or procedural controls is prohibited per State Administrative Manual (SAM) 4819.34.

This provision does not apply to local government agencies.

ORDERING PROCEDURES

1. Purchase Orders

All Ordering Agency purchase order documents executed under this CMAS must contain the applicable CMAS number as show on page 1.

a. State Departments:

Standard 65 Purchase Documents – State departments not transacting in FISCal must use the Purchasing Authority Purchase Order (Standard 65) for purchase execution. An electronic version of the Standard 65 is available at the Department of General Services (DGS), Procurement Division (PD) website, select Standard (STD) Forms.

FISCAL Purchase Documents – State departments transacting in FISCal will follow the FISCal procurement and contracting procedures.

b. Local Government Agencies:

Local government agencies may use their own purchase order document for purchase execution.

The agency is required to complete and distribute the purchase order. For services, the agency shall modify the information contained on the order to include the service period (start and end date), the monthly cost (or other intermittent cost), and any other information pertinent to the services. The cost for each line item must be included in the order, not just system totals.

The contractor must immediately reject purchase orders that are not accurate. Discrepancies are to be negotiated and incorporated into the purchase order prior to product delivery and service implementation.

2. Service and Delivery after CMAS Expiration

The purchase order must be issued before the CMAS expires. However, delivery of the products or completion of the services may be after the CMAS expires (unless otherwise specifically stated in the purchase order). Amending the purchase order to add quantity, time, or money is not possible if the CMAS expired.

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3. Multiple CMAS Agreements on a Single Purchase Order

State agencies wishing to include multiple CMAS agreements on a single FISCal purchase order must adhere to the following guidelines:

- All CMAS must be for the same CMAS contractor.
- The purchase order must go to one contractor location.
- Enter the word "CMAS" in the space reserved for the Leveraged Procurement Agreement (LPA) number. The word "CMAS" signifies that the purchase order contains items from multiple CMAS agreements. The purchasing agency may only use one bill code.
- For each individual CMAS, the agency must identify and group together the CMAS number with the line items and subtotal per CMAS number (do not include tax in the subtotal), and sequentially identify each individual CMAS as Sub #1, Sub #2, Sub #3, etc. This facilitates accurate billing of administrative fees by the Procurement Division.
- The total of all items on the purchase order must not exceed the State agency's purchasing authority dollar threshold granted by DGS PAU.
- Do not combine items from IT and non-IT CMAS agreements. An Information Technology CMAS begins with the number "3" and a non-IT CMAS begins with the number "4." The purchase order limits are different for these CMAS agreements.

4. Amendments to State Agency's Purchase Orders

Agency purchase orders cannot be amended if the CMAS has expired.

SCM, Volume 2, Section 1605 provides the following directions regarding amendments to all types of LPA purchase orders:

Original orders, which include options for changes (e.g., quantity or time), that were assessed and considered in the selection for award during the RFO process, may be amended consistent with the terms of the original order, provided that the original order allowed for amendments. If the original order did not evaluate options, then amendments are not allowed unless a Non-Competitively Bid is approved for those amendments.

Amendments unique to Non-IT Services:

If the original contract permitted amendments, but did not specify the changes, (e.g., quantity or time), it may be amended. Per PCC 10335 (d)(1), a contract may only be amended once under this exemption. The time shall not exceed one year, or add not more than 30 percent of the original order value and may not exceed \$250,000. If the original contract did not have language permitting amendments, the Non-Competitively Bid process must be followed.

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CMAS CONTRACTOR OWNERSHIP INFORMATION

The CMAS contractor is a certified SB enterprise. Their Office of Small Business and DVBE Services (OSDS) certification number 2017889 expires on 1/31/2026.

If this certification has expired, the current expiration date should be verified at [Cal eProcure](#). The OSDS contact information can be found on the [OSDS website](#). Note that some companies have been assigned a new certification number, so use the company name and/or certification number when checking status on-line.

SMALL BUSINESS MUST BE CONSIDERED

Prior to placing orders under the CMAS program, State agencies must first consider offers from small businesses that have established CMAS agreements (GC 14846(b)). NOTE: DGS auditors will request substantiation of compliance with this requirement when agency files are reviewed.

[CMAS Small Business and Disabled Veteran Partners](#) can be found on the CMAS website by selecting "Find a CMAS Contractor".

In response to our commitment to increase participation by small businesses, the Department of General Services waives the administrative fee (charged to customer agencies to support the CMAS program) for orders to California certified small business enterprises.

SMALL BUSINESS/DVBE - TRACKING

State agencies are able to claim subcontracting dollars towards their SB or DVBE goals whenever the CMAS contractor subcontracts a commercially useful function to a certified SB or DVBE. The CMAS contractor will provide the ordering agency with the name of the SB or DVBE used and the dollar amount the ordering agency can apply towards its SB or DVBE goal.

SMALL BUSINESS/DVBE - SUBCONTRACTING

1. The amount an ordering agency can claim towards achieving its SB or DVBE goals is the dollar amount of the subcontract award made by the CMAS contractor to each SB or DVBE.
2. The CMAS contractor will provide an ordering agency with the following information at the time the order is quoted:
 - a. The CMAS contractor will state that, as the prime contractor, it shall be responsible for the overall execution of the fulfillment of the order.
 - b. The CMAS contractor will indicate to the ordering agency how the order meets the SB or DVBE goal, as follows:
 - i. List the name of each company that is certified by the Office of Small Business and DVBE Services that it intends to subcontract a commercially useful function to; and
 - ii. Include the SB or DVBE certification number of each company listed and attach a copy of each certification; and

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- iii. Indicate the dollar amount of each subcontract with a SB or DVBE that may be claimed by the ordering agency towards the SB or DVBE goal; and
 - iv. Indicate what commercially useful function the SB or DVBE subcontractor will be providing towards fulfillment of the order.
3. The ordering agency's purchase order must be addressed to the prime contractor, and the purchase order must reference the information provided by the prime contractor as outlined above.

CONTRACTORS ACTING AS FISCAL AGENTS ARE PROHIBITED

When a subcontractor ultimately provides all of the products or performs all of the services that a CMAS contractor has agreed to provide, and the prime contractor only handles the invoicing of expenditures, then the prime contractor's role becomes that of a fiscal agent because it is merely administrative in nature and does not provide a Commercially Useful Function. It is unacceptable to use fiscal agents in this manner because the agency is paying unnecessary administrative costs.

WITHHOLD LANGUAGE (SB588)

Upon delivery or completion of ordered goods or services for which the Contractor committed to DVBE subcontractor participation, state departments must require the Contractor to certify all the following:

- 1. The amount and percentage of work the Contractor committed to provide to one or more DVBEs under the requirements of the contract and the amount each DVBE received from the Contractor.
- 2. That all payments under the contract have been made to the DVBE. Upon request, the Contractor must provide proof of payment for the work.

In accordance with the Military and Veterans Code 999.7, state departments shall withhold \$10,000 from the final payment, or the full final payment if less than \$10,000, if the Contractor fails to meet the certification requirements identified above. State departments shall notify the Contractor of their failure to meet the certification requirements and give the Contractor an opportunity to comply with the certification requirements. If after 30 calendar days from the date of notice, the Contractor refuses to comply with the certification requirements, the state department shall permanently deduct \$10,000 from the final payment or the full payment if less than \$10,000.

PRODUCT SUBSTITUTIONS

Substitution of Deliverables may not be tendered without advance written consent of the Buyer. The Contractor must offer an equivalent or newer model of the product from the same manufacturer at the same or lower price. Contractor cannot use any specification in lieu of those contained in the Contract without written consent from the Buyer.

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NEW EQUIPMENT REQUIRED

The State will procure new equipment. All equipment must be new (or warranted as newly manufactured) and the latest model in current production. Used, shopworn, demonstrator, prototype, or discontinued models are not acceptable.

Where Federal Energy Management Program (FEMP) standards are available, all State agencies shall purchase only those products that meet the recommended standards. All products displaying the Energy Star label meet the FEMP standards.

SPECIAL MANUFACTURED GOODS

Any CMAS for goods to be manufactured by the CMAS contractor specifically for the State and not suitable for sale to others may require progress payments.

TRADE-IN EQUIPMENT

Trade-ins at open market price may be considered. The product description and trade-in allowance must be identified on the purchase order.

Agencies are required to adhere to SAM 3520 through 3520.6, Disposal of Personal Property and Surplus Personal Property, as applicable, when trade-ins are considered. A Property Survey Report, Standard 152, must be submitted for approval prior to disposition of any State owned personal property, including general office furniture regardless of the acquisition value, or if the property was recorded or capitalized for accounting purposes.

STATE AGENCY BUY RECYCLED CAMPAIGN

State ordering agencies are required to report purchases made within the eleven product categories in the California Department of Resources Recycling and Recovery's State Agency Buy Recycled Campaign per PCC 12200 through 12217.

Contractor will be required to complete and return a Recycled-Content Certification form upon request by the state ordering agency.

ACCEPTANCE TESTING CRITERIA

If the agency wants to include acceptance testing for all newly installed technology systems, individual equipment, and machines which are added or field modified (modification of a machine from one model to another) after a successful performance period, the test criteria must be included in the purchase order to be applicable.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-24-02-1012**

ELECTRONIC WASTE RECYCLING

State agencies are required to recycle state owned surplus electronic equipment that has no useful life remaining (E-Waste) to the maximum extent possible. State agencies shall dispose of E-Waste using the services of the California Prison Industry Authority (CALPIA), unless the agency meets the pickup quantity and location exemption criteria detailed in SAM 3520.10. Electronic equipment that is usable and still retains value is not considered E-Waste and must be reutilized through DGS, Office of Fleet and Asset Management (OFAM) Surplus Personal Property Warehouse.

State agencies shall determine which equipment meets the definition of E-Waste or reusable Electronic Equipment per the definitions provided in the SAM Management Memo (MM) 17-06. OFAM will validate that equipment meets the appropriate definition when reviewing the submitted Property Survey Report (Standard 152).

The electronic waste recycling fee must be shown as a line item on the agency purchase order before the CMAS contractor can include it on their invoice.

See SAM 3520.10 for more information on this policy.

Information for submitting a Standard 152 can be found on the [DGS OFAM surplus property website](#).

Information on the [E-Waste - CALPIA Store and the E-Waste Exemption Request Form EWR-F400](#) can be found at the CALPIA website.

PRODUCTIVE USE REQUIREMENTS

The customer in-use requirement applies to all procurements of information technology equipment and software, per Statewide Information Management Manual Section 195.

Each equipment or software component must be in current operation for a paying customer and the paying customer must be external to the contractor's organization (not owned by the contractor and not owning the contractor).

To substantiate compliance with the Productive Use Requirements, the CMAS contractor must provide upon request the name and address of a customer installation and the name and telephone number of a contact person.

The elapsed time such equipment or software must have been in operation is based upon the importance of the equipment or software for system operation and its cost. The following designates product categories and the required period of time for equipment or software operation prior to approval of the replacement item on CMAS.

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Category 1 - Critical Software: Critical software is software that is required to control the overall operation of a computer system or peripheral equipment. Included in this category are operating systems, data base management systems, language interpreters, assemblers and compilers, communications software, and other essential system software.

Cost	Installation	Final Bid Submission
More than \$100,000	8 months	6 months
\$10,000 up to \$100,000	4 months	3 months
Less than \$10,000	1 month	1 month

Category 2 - All Information Technology Equipment and Non-Critical Software: Information technology equipment is defined in SAM 4819.2.

Cost	Installation	Final Bid Submission
More than \$100,000	6 months	4 months
\$10,000 up to \$100,000	4 months	3 months
Less than \$10,000	1 month	1 month

PUBLIC WORKS (INSTALLATION SERVICES ONLY)

A public works contract is defined as an agreement for “the erection, construction, alteration, repair, or improvement of any public structure, building, road, or other public improvement of any kind” in accordance with PCC 1101. State agencies planning these types of projects need to review SCM, Volume 1, Chapters 10 and 11 for applicable guidelines and regulations. Visit the [DGS, Real Estate Services Division \(RESO\) website](#) if you have questions about public works transactions.

Agency CMAS purchase orders may allow for public works installation only when it is in support of the products covered by this CMAS.

Agencies are to ensure that the applicable laws and codes pertaining to the contractor and subcontractor licensing, prevailing wage rates, bonding, labor code requirements, etc. are adhered to by the prime contractor as well as any subcontractor during performance under the CMAS purchase order.

The bond amount for public works is not less than 100% of the purchase order price.

NOTE: In accordance with Labor Code (LC) 1773.2, the ordering agency is responsible for determining the appropriate craft, classification or type of worker needed for any contract for public works. Also, the agency is to specify the applicable prevailing wage rates as determined by the Director of the Department of Industrial Relations (DIR). In lieu of specifying the prevailing wage rates, the agency may include a statement on the order that the prevailing wage rates are on file at the agency’s office and will be made available upon request. The prevailing wage rates are available from DIR at www.dir.ca.gov (select Statistics & Research).

Bonds: For guidelines, see CMAS, General Terms and Conditions, Public Works Requirements.

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State Contractor's License: Public works services can be obtained through CMAS only if incidental to the overall purchase order. If incidental public works services are included in the purchase order, prior to issuing the order agencies should visit the State Contractor's License Board website to verify that the Contractor's License shown below is still active and in good standing.

The CMAS contractor's California Contractor's License number is 1051330. This is a Class C-7 Low Voltage Systems license that is valid through 3/31/2025.

Cable and Wire: Cable and wire products that are purchased under this CMAS must be for information technology projects only (computers, telecommunications, and security systems) and cannot be used for general purpose installations.

Purchase orders for cable and wire installation services only are prohibited.

Cable and wire installations under this CMAS must be installed and tested to EIA/TIA Standards.

Agency questions regarding the purchase and/or installation of cable and wire for computers and/or telecommunications may be directed to the California Department of Technology, Statewide Telecommunications and Network Division.

NOT SPECIFICALLY PRICED ITEMS

The only time that open market/incidental, non-schedule items may be included in a CMAS order is when they fall under the parameters of the Not Specifically Priced (NSP) Items provision.

CMAS contractors must be authorized providers of the hardware, software and/or services they offer under the NSP Items provision.

Agency and CMAS contractor use of the NSP provision is subject to the following requirements:

1. Purchase orders containing only NSP items are prohibited.
2. A purchase order containing NSP items may be issued only if it results in the lowest overall alternative to the State.
3. NSP items shall be clearly identified in the order. Any product or service already specifically priced and included in the base schedule may not be identified as an NSP item.
4. NSP Installation Services: The CMAS contractor is fully responsible for all installation services performed under the CMAS. Product installations must be performed by manufacturer authorized personnel and meet manufacturer documented specifications. The prime contractor, as well as any subcontractors, must hold any certifications and/or licenses required for the project. The total dollar value of all installation services included in the purchase order cannot exceed the dollar value of the products included in the purchase order, nor can they exceed the NSP Maximum Order Limitation.

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5. Maximum Order Limitation: For orders \$250,000, or less, the total dollar value of all NSP items included in a purchase order shall not exceed \$5,000. For orders exceeding \$250,000, and at the option of the contractor, the total dollar value of all NSP items in a purchase order shall not exceed 5% of the total cost of the order or \$25,000 whichever is lower.
6. An NSP item included in an order issued against this CMAS is subject to all of the terms and conditions set forth in the CMAS.
7. Trade-ins, upgrades, involving the swapping of boards, are permissible, where the contract makes specific provisions for this action. In those instances, where it is permitted, the purchase order must include the replacement item and a notation that the purchase involves the swapping of a board.

The following NSP items **are specifically excluded** from any order issued under this CMAS:

1. Items not intended for use in direct support of the priced items included in the same order. An NSP item must be subordinate to the specifically priced item that it is supporting. For example, a cable, which is not otherwise specifically priced in the base schedule, is subordinate to a specifically priced printer and is eligible to be an NSP item subject to that cable meeting the remaining NSP requirements. However, a printer that is not otherwise specifically priced in the base schedule, is not subordinate to a specifically priced cable and is not eligible to be an NSP item.
2. Supply type items, except for the minimum amount necessary to provide initial support to the priced items included in the same order.
3. Items that do not meet the Productive Use Requirements for information technology products, per Statewide Information Management Manual Section 195.
4. Any other item or class of items specifically excluded from the scope of this CMAS.
5. Public Works and other services NOT in support of the products covered by this CMAS.
6. Products or services the CMAS contractor is NOT factory authorized or otherwise certified or trained to provide.
7. Follow-on consultant services that were previously recommended or suggested by the same CMAS contractor.

The CMAS contractor is required to reject purchase orders containing NSP items that do not comply with the above requirements. The CMAS contractor will promptly notify the agency issuing the noncompliant order of its rejection and the reasons for its rejection.

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STATE AND LOCAL GOVERNMENTS CAN USE CMAS

State and local government agency use of CMAS is optional. A local government is any city, county, city and county, district, or other local governmental body or corporation, including Universities of California, California State Universities, K-12 schools, and community colleges empowered to expend public funds. While the State makes this CMAS available, each local government agency should make its own determination whether the CMAS program is consistent with its procurement policies and regulations.

PCC 10298 allows any city, county, city and county, district, or other local governmental body or corporation empowered to expend public funds to contract with suppliers awarded CMAS without further competitive bidding. See complete PCC 10298 language at the California Legislative Information website.

PCC 10299 allows any school district empowered to expend public funds to utilize CMAS without further competitive bidding. See complete PCC 10299 language at the California Legislative Information website.

SELF-DELETING BASE SCHEDULE TERMS AND CONDITIONS

Instructions or terms and conditions that appear in the Special Items or other provisions of the base schedule and apply to the purchase, license, or rental (as applicable) of products or services by the US Government in the United States and/or to any overseas location shall be self-deleting. (Example: "Examinations of Records" provision).

Federal regulations and standards, such as Federal Acquisition Regulation, Federal Information Resources Management Regulation, Federal Information Processing Standards, General Services Administration Regulation, or Federal Installment Payment Agreement shall be self-deleting. Federal blanket orders and small order procedures are not applicable.

ORDER OF PRECEDENCE

The CMAS Terms and Conditions take precedence if there is a conflict between the terms and conditions of the contractor's base schedule, packaging, invoices, catalogs, brochures, technical data sheets, or other documents (see CMAS Terms and Conditions, CONFLICT OF TERMS).

APPLICABLE CODES, POLICIES AND GUIDELINES

All California codes, policies, and guidelines are applicable. The use of CMAS does not relieve state agencies of their responsibility to meet statewide requirements regarding contracting or the procurement of goods or services. Most procurement and contract codes, policies, and guidelines are incorporated into CMAS agreements; however, there is no guarantee that every requirement that pertains to all State processes has been included.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-24-02-1012**

PAYMENTS AND INVOICES

1. Payment Terms

Payment terms for this CMAS are net 45 days.

Payment will be made in accordance with the provisions of the California Prompt Payment Act, GC 927. Unless expressly exempted by statute, the Act requires State agencies to pay properly submitted, undisputed invoices not more than 45 days after (1) the date of acceptance of goods or performance of services; or (2) receipt of an undisputed invoice, whichever is later.

2. Payee Data Record (Standard 204)

State Agencies must obtain a copy of the Payee Data Record (Standard 204) in order to process payments. State Ordering Agencies must forward a copy of the Standard 204 to their accounting offices. Without the Standard 204, payment may be unnecessarily delayed. State Agencies should contact the CMAS contractor for copies of the Payee Data Record.

3. DGS Administrative and Incentive Fees

Orders from State Agencies:

DGS will bill each State agency directly an administrative fee for use of CMAS. The administrative fee should NOT be included in the order total or remitted before an invoice is received from DGS. This administrative fee is waived for CMAS purchase orders issued to California certified small businesses.

Orders from Local Government Agencies:

CMAS contractors, who are not California certified small businesses, are required to remit to DGS an incentive fee equal to a percentage of the total of all local government agency orders (excluding sales tax and shipping) placed against their CMAS.

The incentive fee is waived for CMAS purchase orders issued to California certified small businesses.

For more information on the incentive fees see the [CMAS Management Guide](#).

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
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4. Contractor Invoices

Unless otherwise stipulated, the CMAS contractor must send their invoices to the agency address set forth in the purchase order. Invoices shall be submitted in triplicate and shall include the following:

- CMAS number
- Agency purchase order number
- Agency Bill Code (State Only)
- Line item number
- Unit price
- Extended line item price
- Invoice total

State sales tax and/or use tax shall be itemized separately and added to each invoice as applicable.

The company name on the CMAS, purchase order and invoice must match, or the State Controller's Office will not approve payment.

5. Advance Payments

Advance payment is allowed for services only under limited, narrowly defined circumstances, i.e., between specific departments and certain types of non-profit organizations, or when paying another government agency (GC 11256 through 11263 and 11019).

It is NOT acceptable to pay in advance, except software maintenance and license fees, which are considered a subscription and may be paid in advance if a provision addressing payment in advance is included in the purchase order.

Software warranty upgrades and extensions may also be paid for in advance, one time.

6. Credit Card

The CMAS contractor does not accept the State of California credit card (VISA CAL-Card).

7. Leasing/Financing

California State Agencies should use the Golden State Financial Marketplace (GS SMart) program for all financing and leasing needs. California Local Government Agencies (counties, cities, K-12 school districts, community colleges, California State Universities, Universities of California, etc.) may utilize the GS SMart program for financing and leasing according to PCC 14937. The minimum dollar amount for Local Government Agency financing and leasing is \$100,000.

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8. Lease/Purchase Analysis

California State agencies must complete a Lease/Purchase Analysis (LPA) to determine best value when contemplating a lease/rental and retain a copy for future audit purposes (SAM 3710).

For short-term rental equipment, the lease/purchase analysis must be approved by DGS Office of Legal Services.

The lease/purchase analysis for all other purchases must be approved by the Department of General Services, GS Smart State Financial Marketplace. Buyers may contact the GS Smart Unit via e-mail at SFM@dgs.ca.gov for further information.

9. Leasing

The State reserves the right to select the form of payment for all procurements, whether it is an outright purchase with payment rendered directly by the State, or a financing/lease-purchase or operating lease via the State Financial Marketplace (GS Smart and/or Lease Smart). If payment is via the financial marketplace, the CMAS contractor will invoice the State and the State will approve the invoice. The selected Lender/Lessor for all product listed on the State's procurement document will pay the supplier on behalf of the State. Buyers may contact the GS Smart Unit via e-mail at SFM@dgs.ca.gov for further information.

10. Maintenance Tax

The California Department of Tax and Fee Administration has ruled that in accordance with Section 1546 of the Sales and Use Tax Regulations of the Business Taxes Law Guide, whenever optional maintenance contracts include consumable supplies, such supplies are subject to sales tax.

Generally, the State has two options:

1. For agreements that provide for only maintenance services (i.e., the furnishing of labor and parts necessary to maintain equipment), the charges for the provision of maintenance services are not taxable.
2. For agreements that provide for both maintenance services and consumable supply items (e.g., toner, developer, staples), the provision of the consumable supplies is considered a taxable sale of tangible personal property. Therefore, State agencies awarding optional maintenance contracts are responsible for paying the applicable sales tax on the consumable supplies used during the performance period of the maintenance contract.

The Contractor will be required to itemize the taxable consumables for State accounting purposes.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
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OBTAINING COPY OF CMAS

A copy of this CMAS can be obtained at [Cal eProcure](#). Links to the CMAS terms and conditions and base schedule are available on the front page of this CMAS agreement.

It is important for the agency to confirm that the required products, services, and prices are included in the CMAS and are at or below base schedule rates. To streamline verification that the needed items are in the base schedule, the agencies should ask the CMAS contractor to identify the specific location in the base schedule that include the required products, services, and prices. Once verified, agencies should save the information for their file documentation.

FEDERAL DEBARMENT

When federal funds are expended, the agency is required to obtain (retain in file) a signed "[Federal Debarment](#)" certification from the CMAS contractor before the purchase order is issued. This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 29 CFR Part 98, Section 98.510, Participants; responsibilities. The regulations were published as Part VII of the May 26, 1988 Federal Register (pages 19160-19211).

CONTRACTOR TRAVEL

The Travel provision is not applicable to this CMAS.

AMERICANS WITH DISABILITY ACT

To view the [DGS Accessibility Policy](#), please visit the DGS website.

State of California

MULTIPLE AWARD SCHEDULE

NON-MANDATORY

LAN WAN Enterprise, Inc.

CMAS NUMBER:	3-22-03-1083
SUPPLEMENT NUMBER:	1
CMAS TERM DATES:	3/29/2022 through 9/26/2029
EFFECTIVE DATE:	7/30/2024
CMAS CATEGORY:	Information Technology Goods and Services
APPLICABLE CMAS TERMS & CONDITIONS:	<u>March 1, 2023</u>
MAXIMUM ORDER LIMIT:	State Agencies: See Purchasing Authority Dollar Threshold provision Local Government Agencies: Unlimited
FOR USE BY:	State & Local Government Agencies
BASE SCHEDULE #:	47QTCA19D00MM
BASE SCHEDULE HOLDER:	TD SYNnex Corporation
PROGRAM ANALYST	Bryan Dugger bryan.dugger@dgs.ca.gov

This California Multiple Award Schedule (CMAS) provides for the purchase, warranty, and installation of hardware, hardware maintenance and repair services, software, software maintenance as a product, Infrastructure as a Service (IaaS), Software as a Service (SaaS), and other cloud computing services. (See page 3 for the restrictions applicable to this CMAS.)

This supplement is to extend this CMAS through 9/26/2029. In addition, this supplement replaces the existing CMAS. The most current Ordering Instructions and Special Provisions, CMAS Terms and Conditions, and products and/or services are included herein. All purchase orders issued by State agencies shall incorporate these Ordering Instructions and Special Provisions, and CMAS Terms and Conditions. Review these provisions carefully as they have changed.

CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-22-03-1083, SUPPLEMENT NUMBER 1

NOTICE: Products and/or services on this CMAS may be available on a Mandatory State Contract. If this is the case, the use of this CMAS is restricted unless the State agency has an approved exemption as explained in the State Contract User Instructions. Information regarding State Contracts can be obtained at the: [State Contracts Index Listing](#). This requirement is not applicable to local government agencies.

Any reference to a specific manufacturer's or publisher's warranty or terms and conditions as shown in the base schedule are not applicable to this CMAS.

Buyers must verify that the CMAS contractor has a letter of authorization from the manufacturer or an authorized distributor for the sale of the products covered by this CMAS. Service specific letters of authorization from the manufacturer are required if the CMAS contractor is providing installation, maintenance, and repair services.

The services provided under this CMAS are only available in support of the products covered by this CMAS.

Agency non-compliance with the requirements may result in the loss of CMAS program delegated purchasing authority.

CMAS contractor non-compliance with the requirements may result in termination.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-22-03-1083, SUPPLEMENT NUMBER 1**

CMAS PRODUCT & SERVICE CODES

Product & Service Codes listed below are for marketing purposes only. Review the base schedule for the products and/or services available.

Brand-Barracuda
Brand-Polycom
Brand-Ruckus Wireless
Data Commun-Component
Data Commun-Network Mgmt
LAN/WAN-Component
LAN/WAN-Wireless Network
Network-Component
Network-System
Router-Network
Security-IT Hardware
Security-IT Network

AVAILABLE PRODUCTS AND/OR SERVICES

This CMAS provides for the purchase, warranty, and installation of hardware, hardware maintenance and repair services, software, software maintenance as a product, Infrastructure as a Service (IaaS), Software as a Service (SaaS), and other cloud computing services.

The ordering agency must verify all products and/or services are currently available on the base General Services Administration (GSA) schedule.

FIND BASE SCHEDULE PRICING

Once on the Contractor Information page for a specific GSA schedule, the pricelist can be found either in the Contractor Terms & Conditions (T&Cs)/Pricelist document or at GSA Advantage. The Contractor T&Cs/Pricelist document is provided by the contractor as a requirement of GSA and can be found under the Contractor T&Cs/Pricelist heading by clicking on the page icon.

If the contractor has products/services available for ordering on GSA Advantage, a 'GSA Advantage' icon will be displayed. By clicking this image link, this will execute a search against GSA Advantage. Depending on the category, whether product or service related, will return either:

- 1) If products, a listing of all products available for the contractor under this contract
- 2) If services, the same document provided under the column Contractor T&Cs/Pricelist by clicking View Contractor Information and then View Contractor Catalog.

EXCLUDED PRODUCTS AND/OR SERVICES

Software maintenance as a service and order-level materials are not available under this CMAS.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
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ISSUE PURCHASE ORDER TO

Agency purchase orders must be sent to the following:

**LAN WAN Enterprise, Inc.
17500 Red Hill Avenue, Suite 120
Irvine, CA 92614
Attn: Rami Dababneh**

E-mail: gsa@lanwane.com

Agencies with questions regarding products and/or services may contact the CMAS contractor as follows:

**Contact: Rami Dababneh
Phone: (714) 393-2264
E-mail: gsa@lanwane.com
Website: <https://lanwane.com/>**

TOP 500 DELINQUENT TAXPAYERS

In accordance with Public Contract Code (PCC) 10295.4, and prior to placing an order for IT goods and/or services, **agencies must verify** with the Franchise Tax Board and the California Department of Tax and Fee Administration that this CMAS contractor's name does not appear on either list of the 500 largest tax delinquencies pursuant to Revenue and Taxation Code 7063 or 19195. The Franchise Tax Board's list of Top 500 Delinquent Taxpayers is available at their website. The California Department of Tax and Fee Administration's list of Top 500 Sales & Use Tax Delinquencies in California is available at their website.

CALIFORNIA SELLER'S PERMIT

The CMAS contractor's California Seller's Permit Number is 100219114. Prior to placing an order with this company, agencies must verify that this permit is still valid at the California Department of Tax and Fee Administration website.

MINIMUM ORDER LIMITATION

The minimum dollar value of an order to be issued under this CMAS is \$100.

CMAS PRICES

The maximum prices allowed for the products and/or services available are those set forth in the base schedule.

The ordering agency is encouraged to seek prices lower than those in the base schedule. When responding to an agency's Request for Offer (RFO), the CMAS contractor can offer lower prices to be competitive.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-22-03-1083, SUPPLEMENT NUMBER 1**

PRICE DISCOUNTS

This CMAS contains dollar volume and prompt payment discounts. See the base schedule for the specific discount percentage.

ACQUISITION OF IAAS AND/OR PAAS

If using this CMAS for the purpose of acquiring Infrastructure as a Service (IaaS) and/or Platform as a Service (PaaS), State agencies must first obtain approval to use this CMAS from the California Department of Technology (CDT) in accordance with TL 17-06. State agencies must document CDT's approval and maintain in the procurement file. Contact CDT for all questions related to the acquisition of IaaS and PaaS and TL 17-06.

GENERATIVE ARTIFICIAL INTELLIGENCE (GenAI) DISCLOSURE NOTIFICATION

The State of California seeks to realize the potential benefits of GenAI, through the development and deployment of GenAI tools, while balancing the risks of these new technologies.

Bidders/Offerors must notify the State in writing if their solution or service includes, or makes available, any GenAI technology, including GenAI from third parties or subcontractors. The State has developed a GenAI Disclosure & Factsheet to be completed by the Bidder/Offeror.

Failure to disclose GenAI to the State and submit the GenAI Disclosure & Factsheet will result in disqualification of the Offeror and may void any resulting contract. The State reserves its right to seek any and all relief it may be entitled to as a result of such non-disclosure.

Upon receipt of a Bidder/Offeror GenAI Disclosure & Factsheet the State reserves the right to incorporate GenAI Special Provisions into the final contract or reject bids/offers that present an unacceptable level of risk to the State.

State agencies are required to obtain a GenAI Disclosure & Factsheet (STD 1000) from the Contractor prior to award.

If GenAI is disclosed by the Contractor, state agencies must follow the required GenAI purchase procedures outlined in State Contracting Manual Section 2300 (Generative Artificial Intelligence) Steps 5 through 8. State agencies must retain in their procurement file the GenAI Disclosure & Factsheet STD 1000 form and the written confirmation that the purchase may proceed.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
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EXECUTIVE ORDER N-6-22 – RUSSIA SANCTIONS

On March 4, 2022, Governor Gavin Newsom issued Executive Order N-6-22 (the EO) regarding Economic Sanctions against Russia and Russian entities and individuals. “Economic Sanctions” refers to sanctions imposed by the U.S. government in response to Russia’s actions in Ukraine, as well as any sanctions imposed under state law. The EO directs state agencies to terminate contracts with, and to refrain from entering any new contracts with, individuals or entities that are determined to be a target of Economic Sanctions. Accordingly, should the State determine Contractor is a target of Economic Sanctions or is conducting prohibited transactions with sanctioned individuals or entities, that shall be grounds for termination of this agreement. The State shall provide Contractor advance written notice of such termination, allowing Contractor at least 30 calendar days to provide a written response. Termination shall be at the sole discretion of the State.

IRAN CERTIFICATION

This CMAS contractor has certified compliance with the Iran Contracting Act, per PCC 2001-2008. It is the agency’s responsibility to verify that the contractor has an Iran Contracting Act Certification on file.

CALIFORNIA CIVIL RIGHTS LAW CERTIFICATION

Pursuant to PCC 2010 applicants must certify their compliance with the California Civil Rights laws and Employer Discriminatory Policies (Civil Code 51, GC 12960). It is the agency’s responsibility to verify that the contractor has a California Civil Rights Law Certification on file.

WARRANTY

For warranties, see the base schedule and the CMAS Warranty provision in the CMAS Terms and Conditions/General Provisions.

DELIVERY

30 days after receipt of order or as negotiated between agency and CMAS contractor and included in the purchase order.

LIQUIDATED DAMAGES FOR LATE DELIVERY

The value of the liquidated damages cannot be a penalty, must be mutually agreed upon by agency and contractor and included in the purchase order to be applicable.

SHIPPING INSTRUCTIONS

F.O.B. (Free On Board) Destination. Seller pays the freight charges.

**CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)
LAN WAN ENTERPRISE, INC.
CMAS NUMBER 3-22-03-1083, SUPPLEMENT NUMBER 1**

PURCHASING AUTHORITY DOLLAR THRESHOLD

Order limits for the purchase of goods and/or services is determined by the individual agency purchasing authority threshold.

No CMAS order may be executed by a State agency that exceeds that agency's purchasing authority threshold, unless an exemption is granted by the Department of General Services (DGS) Purchasing Authority Unit (PAU). State agencies with approved purchasing authority, along with their dollar thresholds can be obtained at the List of State Departments with Approved Purchasing Authority website.

HOW TO USE CMAS

State agencies must adhere to the requirements in the State Contracting Manual (SCM) Volume 2, Chapter 1600 and CMAS Ordering Instructions and Special Provisions when using CMAS.

- Develop an RFO, which includes a Scope of Work (SOW) and Bidder Declaration form. For information on the Bidder Declaration requirements see SCM, Volume 2, Sections 305 and 1202.
- Clearly defined Tasks (what needs to be done) and Deliverables (outcome of each task, i.e., reports, procedures manual, etc.) must be included in the State's SOW.
- A Work Order Authorization (WOA) may be used to document completion of pre-determined tasks, but only if the tasks are clearly defined in the SOW. The WOA may be used to approve release for the next phase of the agreement but cannot be used to identify any tasks other than the ones called out in the SOW. The WOA will be signed by all parties and may be submitted for progress payments under the award.
- Projects can be performed on a Fixed Price Per Deliverable (FP/D). Fixed Price; FP/D: A defined service, or set of services, performed by Contractor in response to a defined task, or set of tasks, at a specific fixed price, and delivered per a specific schedule. Note: When using FP/D the Statement of Work must describe in detail the particular project and the work that the selected Qualified Contractor will be required to perform.
- For Consulting or Personal services, do not include any labor categories/job titles or number of hours limit in RFO Requirements or the SOW. The CMAS Contractor provides this information in their Attachment B Cost Worksheet. The State does not have the expertise to make this decision (GC 19130(b)).
- Search for potential CMAS contractors on the CMAS website and select "Find a CMAS Contractor."
- Request offers from a minimum of 3 CMAS contractors including one small business (SB) and/or Disabled Veteran Business Enterprise (DVBE), if available, who are authorized to sell the products and/or able to perform the services needed. (Government Code 14846(b)).
- A valid attempt must be made to secure offers from viable CMAS contractors who are able to supply the goods and/or provide the services. Neither a lack of sufficient CMAS contractors nor the use of restrictive requirements meets the intent for obtaining offers (SCM Volume 2, Section 1670.2).

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- If requesting offers from a certified DVBE, include the Disabled Veteran Business Enterprise Declarations form (Standard 843) in the RFO. This declaration must be completed by the DVBE prime contractor and/or any DVBE subcontractors and submitted with the offer (SCM Volume 2, Section 1201).
- This is not a bid transaction, so the small business preference, DVBE incentives, protest language, intent to award, evaluation criteria, advertising, Administrative and Technical Requirements, etc. are not applicable. (SCM Volume 2, Section 1603).
- If less than 3 offers are received, State agencies must document their file with the reasons why the other suppliers did not respond with an offer. The reason must come from the CMAS contractor.
- Assess the offers received using best value criteria including cost as one of the criteria (SCM Volume 2, Section 1603).
- Issue a Purchase Order to the selected CMAS contractor.
- For CMAS transactions under \$10,000, only one offer is required if the State agency can establish and document that the price is fair and reasonable. The fair and reasonable method can only be used for non-customizable purchases. See SCM Volume 2, Section 1510 for Fair and Reason criteria.

Local agencies must follow their own procurement regulations. For more information see the Local Agency packet available online.

AGENCY RESPONSIBILITY

Each agency is responsible for its own contracting program and purchasing decisions, including use of the CMAS program and associated outcomes. This responsibility includes, but is not limited to, ensuring the necessity of the services, securing appropriate funding, complying with laws and policies, preparing the purchase order in a manner that safeguards the State's best interests, obtaining required approvals, and documenting compliance with GC 19130.b(3) for outsourcing services.

It is the responsibility of each agency to consult with their legal staff and contracting offices for advice depending upon the scope or complexity of the purchase order. If legal services are not available within your agency, DGS Office of Legal Services is available to provide services.

CONFLICT OF INTEREST

Agencies must evaluate the proposed purchase order to determine if there are any potential conflict of interest issues. See the CMAS Terms and Conditions, Conflict of Interest, for more information.

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SPLITTING ORDERS

Splitting orders to avoid any monetary limitations is prohibited. Do not circumvent normal procurement methods by splitting purchases into a series of delegated purchase orders per PCC 10329. Splitting a project into small projects to avoid either fiscal or procedural controls is prohibited per State Administrative Manual (SAM) 4819.34.

This provision does not apply to local government agencies.

ORDERING PROCEDURES

1. Purchase Orders

All Ordering Agency purchase order documents executed under this CMAS must contain the applicable CMAS number as show on page 1.

a. State Departments:

Standard 65 Purchase Documents – State departments not transacting in FISCal must use the Purchasing Authority Purchase Order (Standard 65) for purchase execution. An electronic version of the Standard 65 is available at the Department of General Services (DGS), Procurement Division (PD) website, select Standard (STD) Forms.

FISCAL Purchase Documents – State departments transacting in FISCal will follow the FISCal procurement and contracting procedures.

b. Local Government Agencies:

Local government agencies may use their own purchase order document for purchase execution.

The agency is required to complete and distribute the purchase order. For services, the agency shall modify the information contained on the order to include the service period (start and end date), the monthly cost (or other intermittent cost), and any other information pertinent to the services. The cost for each line item must be included in the order, not just system totals.

The contractor must immediately reject purchase orders that are not accurate. Discrepancies are to be negotiated and incorporated into the purchase order prior to product delivery and service implementation.

2. Service and Delivery after CMAS Expiration

The purchase order must be issued before the CMAS expires. However, delivery of the products or completion of the services may be after the CMAS expires (unless otherwise specifically stated in the purchase order). Amending the purchase order to add quantity, time, or money is not possible if the CMAS expired.

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3. Multiple CMAS Agreements on a Single Purchase Order

State agencies wishing to include multiple CMAS agreements on a single FISCal purchase order must adhere to the following guidelines:

- All CMAS must be for the same CMAS contractor.
- The purchase order must go to one contractor location.
- Enter the word “CMAS” in the space reserved for the Leveraged Procurement Agreement (LPA) number. The word “CMAS” signifies that the purchase order contains items from multiple CMAS agreements. The purchasing agency may only use one bill code.
- For each individual CMAS, the agency must identify and group together the CMAS number with the line items and subtotal per CMAS number (do not include tax in the subtotal), and sequentially identify each individual CMAS as Sub #1, Sub #2, Sub #3, etc. This facilitates accurate billing of administrative fees by the Procurement Division.
- The total of all items on the purchase order must not exceed the State agency’s purchasing authority dollar threshold granted by DGS PAU.
- Do not combine items from IT and non-IT CMAS agreements. An Information Technology CMAS begins with the number “3” and a non-IT CMAS begins with the number “4.” The purchase order limits are different for these CMAS agreements.

4. Amendments to State Agency's Purchase Orders

Agency purchase orders cannot be amended if the CMAS has expired.

SCM, Volume 2, Section 1605 provides the following directions regarding amendments to all types of LPA purchase orders:

Original orders, which include options for changes (e.g., quantity or time), that were assessed and considered in the selection for award during the RFO process, may be amended consistent with the terms of the original order, provided that the original order allowed for amendments. If the original order did not evaluate options, then amendments are not allowed unless a Non-Competitively Bid is approved for those amendments.

Amendments unique to Non-IT Services:

If the original contract permitted amendments, but did not specify the changes, (e.g., quantity or time), it may be amended. Per PCC 10335 (d)(1), a contract may only be amended once under this exemption. The time shall not exceed one year, or add not more than 30 percent of the original order value and may not exceed \$250,000. If the original contract did not have language permitting amendments, the Non-Competitively Bid process must be followed.

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CMAS CONTRACTOR OWNERSHIP INFORMATION

The CMAS contractor is a certified SB enterprise. Their Office of Small Business and DVBE Services (OSDS) certification number 2017889 expires on 1/31/2026.

If this certification has expired, the current expiration date should be verified at [Cal eProcure](#). The OSDS contact information can be found on the [OSDS website](#). Note that some companies have been assigned a new certification number, so use the company name and/or certification number when checking status on-line.

SMALL BUSINESS MUST BE CONSIDERED

Prior to placing orders under the CMAS program, State agencies must first consider offers from small businesses that have established CMAS agreements (GC 14846(b)). NOTE: DGS auditors will request substantiation of compliance with this requirement when agency files are reviewed.

[CMAS Small Business and Disabled Veteran Partners](#) can be found on the CMAS website by selecting "Find a CMAS Contractor".

In response to our commitment to increase participation by small businesses, the Department of General Services waives the administrative fee (charged to customer agencies to support the CMAS program) for orders to California certified small business enterprises.

SMALL BUSINESS/DVBE - TRACKING

State agencies are able to claim subcontracting dollars towards their SB or DVBE goals whenever the CMAS contractor subcontracts a commercially useful function to a certified SB or DVBE. The CMAS contractor will provide the ordering agency with the name of the SB or DVBE used and the dollar amount the ordering agency can apply towards its SB or DVBE goal.

SMALL BUSINESS/DVBE - SUBCONTRACTING

1. The amount an ordering agency can claim towards achieving its SB or DVBE goals is the dollar amount of the subcontract award made by the CMAS contractor to each SB or DVBE.
2. The CMAS contractor will provide an ordering agency with the following information at the time the order is quoted:
 - a. The CMAS contractor will state that, as the prime contractor, it shall be responsible for the overall execution of the fulfillment of the order.
 - b. The CMAS contractor will indicate to the ordering agency how the order meets the SB or DVBE goal, as follows:
 - i. List the name of each company that is certified by the Office of Small Business and DVBE Services that it intends to subcontract a commercially useful function to; and
 - ii. Include the SB or DVBE certification number of each company listed and attach a copy of each certification; and

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- iii. Indicate the dollar amount of each subcontract with a SB or DVBE that may be claimed by the ordering agency towards the SB or DVBE goal; and
 - iv. Indicate what commercially useful function the SB or DVBE subcontractor will be providing towards fulfillment of the order.
3. The ordering agency's purchase order must be addressed to the prime contractor, and the purchase order must reference the information provided by the prime contractor as outlined above.

CONTRACTORS ACTING AS FISCAL AGENTS ARE PROHIBITED

When a subcontractor ultimately provides all of the products or performs all of the services that a CMAS contractor has agreed to provide, and the prime contractor only handles the invoicing of expenditures, then the prime contractor's role becomes that of a fiscal agent because it is merely administrative in nature and does not provide a Commercially Useful Function. It is unacceptable to use fiscal agents in this manner because the agency is paying unnecessary administrative costs.

WITHHOLD LANGUAGE (SB588)

Upon delivery or completion of ordered goods or services for which the Contractor committed to DVBE subcontractor participation, state departments must require the Contractor to certify all the following:

1. The amount and percentage of work the Contractor committed to provide to one or more DVBEs under the requirements of the contract and the amount each DVBE received from the Contractor.
2. That all payments under the contract have been made to the DVBE. Upon request, the Contractor must provide proof of payment for the work.

In accordance with the Military and Veterans Code 999.7, state departments shall withhold \$10,000 from the final payment, or the full final payment if less than \$10,000, if the Contractor fails to meet the certification requirements identified above. State departments shall notify the Contractor of their failure to meet the certification requirements and give the Contractor an opportunity to comply with the certification requirements. If after 30 calendar days from the date of notice, the Contractor refuses to comply with the certification requirements, the state department shall permanently deduct \$10,000 from the final payment or the full payment if less than \$10,000.

PRODUCT SUBSTITUTIONS

Substitution of Deliverables may not be tendered without advance written consent of the Buyer. The Contractor must offer an equivalent or newer model of the product from the same manufacturer at the same or lower price. Contractor cannot use any specification in lieu of those contained in the Contract without written consent from the Buyer.

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NEW EQUIPMENT REQUIRED

The State will procure new equipment. All equipment must be new (or warranted as newly manufactured) and the latest model in current production. Used, shopworn, demonstrator, prototype, or discontinued models are not acceptable.

Where Federal Energy Management Program (FEMP) standards are available, all State agencies shall purchase only those products that meet the recommended standards. All products displaying the Energy Star label meet the FEMP standards.

SPECIAL MANUFACTURED GOODS

Any CMAS for goods to be manufactured by the CMAS contractor specifically for the State and not suitable for sale to others may require progress payments.

TRADE-IN EQUIPMENT

Trade-ins at open market price may be considered. The product description and trade-in allowance must be identified on the purchase order.

Agencies are required to adhere to SAM 3520 through 3520.6, Disposal of Personal Property and Surplus Personal Property, as applicable, when trade-ins are considered. A Property Survey Report, Standard 152, must be submitted for approval prior to disposition of any State owned personal property, including general office furniture regardless of the acquisition value, or if the property was recorded or capitalized for accounting purposes.

STATE AGENCY BUY RECYCLED CAMPAIGN

State ordering agencies are required to report purchases made within the eleven product categories in the California Department of Resources Recycling and Recovery's State Agency Buy Recycled Campaign per PCC 12200 through 12217.

Contractor will be required to complete and return a Recycled-Content Certification form upon request by the state ordering agency.

ACCEPTANCE TESTING CRITERIA

If the agency wants to include acceptance testing for all newly installed technology systems, individual equipment, and machines which are added or field modified (modification of a machine from one model to another) after a successful performance period, the test criteria must be included in the purchase order to be applicable.

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ELECTRONIC WASTE RECYCLING

State agencies are required to recycle state owned surplus electronic equipment that has no useful life remaining (E-Waste) to the maximum extent possible. State agencies shall dispose of E-Waste using the services of the California Prison Industry Authority (CALPIA), unless the agency meets the pickup quantity and location exemption criteria detailed in SAM 3520.10. Electronic equipment that is usable and still retains value is not considered E-Waste and must be reutilized through DGS, Office of Fleet and Asset Management (OFAM) Surplus Personal Property Warehouse.

State agencies shall determine which equipment meets the definition of E-Waste or reusable Electronic Equipment per the definitions provided in the SAM Management Memo (MM) 17-06. OFAM will validate that equipment meets the appropriate definition when reviewing the submitted Property Survey Report (Standard 152).

The electronic waste recycling fee must be shown as a line item on the agency purchase order before the CMAS contractor can include it on their invoice.

See SAM 3520.10 for more information on this policy.

Information for submitting a Standard 152 can be found on the [DGS OFAM surplus property website](#).

Information on the [E-Waste - CALPIA Store and the E-Waste Exemption Request Form EWR-F400](#) can be found at the CALPIA website.

PRODUCTIVE USE REQUIREMENTS

The customer in-use requirement applies to all procurements of information technology equipment and software, per Statewide Information Management Manual Section 195.

Each equipment or software component must be in current operation for a paying customer and the paying customer must be external to the contractor's organization (not owned by the contractor and not owning the contractor).

To substantiate compliance with the Productive Use Requirements, the CMAS contractor must provide upon request the name and address of a customer installation and the name and telephone number of a contact person.

The elapsed time such equipment or software must have been in operation is based upon the importance of the equipment or software for system operation and its cost. The following designates product categories and the required period of time for equipment or software operation prior to approval of the replacement item on CMAS.

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Category 1 - Critical Software: Critical software is software that is required to control the overall operation of a computer system or peripheral equipment. Included in this category are operating systems, data base management systems, language interpreters, assemblers and compilers, communications software, and other essential system software.

Cost	Installation	Final Bid Submission
More than \$100,000	8 months	6 months
\$10,000 up to \$100,000	4 months	3 months
Less than \$10,000	1 month	1 month

Category 2 - All Information Technology Equipment and Non-Critical Software: Information technology equipment is defined in SAM 4819.2.

Cost	Installation	Final Bid Submission
More than \$100,000	6 months	4 months
\$10,000 up to \$100,000	4 months	3 months
Less than \$10,000	1 month	1 month

PRODUCT INSTALLATION

The CMAS contractor is fully responsible for all installation services performed under the CMAS. Product installations must be performed by manufacturer authorized personnel and meet manufacturer documented specifications.

The prime contractor, as well as any subcontractors, must hold any certifications and/or licenses required for the project.

PUBLIC WORKS (INSTALLATION SERVICES ONLY)

A public works contract is defined as an agreement for “the erection, construction, alteration, repair, or improvement of any public structure, building, road, or other public improvement of any kind” in accordance with PCC 1101. State agencies planning these types of projects need to review SCM, Volume 1, Chapters 10 and 11 for applicable guidelines and regulations. Visit the [DGS, Real Estate Services Division \(RESO\) website](#) if you have questions about public works transactions.

Agency CMAS purchase orders may allow for public works installation only when it is in support of the products covered by this CMAS.

Agencies are to ensure that the applicable laws and codes pertaining to the contractor and subcontractor licensing, prevailing wage rates, bonding, labor code requirements, etc. are adhered to by the prime contractor as well as any subcontractor during performance under the CMAS purchase order.

The bond amount for public works is not less than 100% of the purchase order price.

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NOTE: In accordance with Labor Code (LC) 1773.2, the ordering agency is responsible for determining the appropriate craft, classification or type of worker needed for any contract for public works. Also, the agency is to specify the applicable prevailing wage rates as determined by the Director of the Department of Industrial Relations (DIR). In lieu of specifying the prevailing wage rates, the agency may include a statement on the order that the prevailing wage rates are on file at the agency's office and will be made available upon request. The prevailing wage rates are available from DIR at www.dir.ca.gov (select Statistics & Research).

Bonds: For guidelines, see CMAS, General Terms and Conditions, Public Works Requirements.

State Contractor's License: Public works services can be obtained through CMAS only if incidental to the overall purchase order. If incidental public works services are included in the purchase order, prior to issuing the order agencies should visit the [State Contractor's License Board](#) website to verify that the Contractor's License shown below is still active and in good standing.

The CMAS contractor's California Contractor's License number is 1051330. This is a Class C-7 Low Voltage Systems and C-10 Electrical license that is valid through 23/31/2025.

Cable and Wire: Cable and wire products that are purchased under this CMAS must be for information technology projects only (computers, telecommunications, and security systems) and cannot be used for general purpose installations.

Purchase orders for cable and wire installation services only are prohibited.

Cable and wire installations under this CMAS must be installed and tested to EIA/TIA Standards.

Agency questions regarding the purchase and/or installation of cable and wire for computers and/or telecommunications may be directed to the California Department of Technology, Statewide Telecommunications and Network Division.

NOT SPECIFICALLY PRICED ITEMS

The only time that open market/incidental, non-schedule items may be included in a CMAS order is when they fall under the parameters of the Not Specifically Priced (NSP) Items provision.

CMAS contractors must be authorized providers of the hardware, software and/or services they offer under the NSP Items provision.

Agency and CMAS contractor use of the NSP provision is subject to the following requirements:

1. Purchase orders containing only NSP items are prohibited.
2. A purchase order containing NSP items may be issued only if it results in the lowest overall alternative to the State.
3. NSP items shall be clearly identified in the order. Any product or service already specifically priced and included in the base schedule may not be identified as an NSP item.

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4. NSP Installation Services: The CMAS contractor is fully responsible for all installation services performed under the CMAS. Product installations must be performed by manufacturer authorized personnel and meet manufacturer documented specifications. The prime contractor, as well as any subcontractors, must hold any certifications and/or licenses required for the project. The total dollar value of all installation services included in the purchase order cannot exceed the dollar value of the products included in the purchase order, nor can they exceed the NSP Maximum Order Limitation.
5. Maximum Order Limitation: For orders \$250,000, or less, the total dollar value of all NSP items included in a purchase order shall not exceed \$5,000. For orders exceeding \$250,000, and at the option of the contractor, the total dollar value of all NSP items in a purchase order shall not exceed 5% of the total cost of the order or \$25,000 whichever is lower.
6. An NSP item included in an order issued against this CMAS is subject to all of the terms and conditions set forth in the CMAS.
7. Trade-ins, upgrades, involving the swapping of boards, are permissible, where the contract makes specific provisions for this action. In those instances, where it is permitted, the purchase order must include the replacement item and a notation that the purchase involves the swapping of a board.

The following NSP items **are specifically excluded** from any order issued under this CMAS:

1. Items not intended for use in direct support of the priced items included in the same order. An NSP item must be subordinate to the specifically priced item that it is supporting. For example, a cable, which is not otherwise specifically priced in the base schedule, is subordinate to a specifically priced printer and is eligible to be an NSP item subject to that cable meeting the remaining NSP requirements. However, a printer that is not otherwise specifically priced in the base schedule, is not subordinate to a specifically priced cable and is not eligible to be an NSP item.
2. Supply type items, except for the minimum amount necessary to provide initial support to the priced items included in the same order.
3. Items that do not meet the Productive Use Requirements for information technology products, per Statewide Information Management Manual Section 195.
4. Any other item or class of items specifically excluded from the scope of this CMAS.
5. Public Works and other services NOT in support of the products covered by this CMAS.
6. Products or services the CMAS contractor is NOT factory authorized or otherwise certified or trained to provide.

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7. Follow-on consultant services that were previously recommended or suggested by the same CMAS contractor.

The CMAS contractor is required to reject purchase orders containing NSP items that do not comply with the above requirements. The CMAS contractor will promptly notify the agency issuing the noncompliant order of its rejection and the reasons for its rejection.

STATE AND LOCAL GOVERNMENTS CAN USE CMAS

State and local government agency use of CMAS is optional. A local government is any city, county, city and county, district, or other local governmental body or corporation, including Universities of California, California State Universities, K-12 schools, and community colleges empowered to expend public funds. While the State makes this CMAS available, each local government agency should make its own determination whether the CMAS program is consistent with its procurement policies and regulations.

PCC 10298 allows any city, county, city and county, district, or other local governmental body or corporation empowered to expend public funds to contract with suppliers awarded CMAS without further competitive bidding. See complete PCC 10298 language at the California Legislative Information website.

PCC 10299 allows any school district empowered to expend public funds to utilize CMAS without further competitive bidding. See complete PCC 10299 language at the California Legislative Information website.

SELF-DELETING BASE SCHEDULE TERMS AND CONDITIONS

Instructions or terms and conditions that appear in the Special Items or other provisions of the base schedule and apply to the purchase, license, or rental (as applicable) of products or services by the US Government in the United States and/or to any overseas location shall be self-deleting. (Example: "Examinations of Records" provision).

Federal regulations and standards, such as Federal Acquisition Regulation, Federal Information Resources Management Regulation, Federal Information Processing Standards, General Services Administration Regulation, or Federal Installment Payment Agreement shall be self-deleting. Federal blanket orders and small order procedures are not applicable.

ORDER OF PRECEDENCE

The CMAS Terms and Conditions take precedence if there is a conflict between the terms and conditions of the contractor's base schedule, packaging, invoices, catalogs, brochures, technical data sheets, or other documents (see CMAS Terms and Conditions, CONFLICT OF TERMS).

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APPLICABLE CODES, POLICIES AND GUIDELINES

All California codes, policies, and guidelines are applicable. The use of CMAS does not relieve state agencies of their responsibility to meet statewide requirements regarding contracting or the procurement of goods or services. Most procurement and contract codes, policies, and guidelines are incorporated into CMAS agreements; however, there is no guarantee that every requirement that pertains to all State processes has been included.

PAYMENTS AND INVOICES

This CMAS contains prompt payment discounts. See the base schedule for the specific discount percentage.

1. Payment Terms

Payment terms for this CMAS are net 45 days.

Payment will be made in accordance with the provisions of the California Prompt Payment Act, GC 927. Unless expressly exempted by statute, the Act requires State agencies to pay properly submitted, undisputed invoices not more than 45 days after (1) the date of acceptance of goods or performance of services; or (2) receipt of an undisputed invoice, whichever is later.

2. Payee Data Record (Standard 204)

State Agencies must obtain a copy of the Payee Data Record (Standard 204) in order to process payments. State Ordering Agencies must forward a copy of the Standard 204 to their accounting offices. Without the Standard 204, payment may be unnecessarily delayed. State Agencies should contact the CMAS contractor for copies of the Payee Data Record.

3. DGS Administrative and Incentive Fees

Orders from State Agencies:

DGS will bill each State agency directly an administrative fee for use of CMAS. The administrative fee should NOT be included in the order total or remitted before an invoice is received from DGS. This administrative fee is waived for CMAS purchase orders issued to California certified small businesses.

Orders from Local Government Agencies:

CMAS contractors, who are not California certified small businesses, are required to remit to DGS an incentive fee equal to a percentage of the total of all local government agency orders (excluding sales tax and shipping) placed against their CMAS.

The incentive fee is waived for CMAS purchase orders issued to California certified small businesses.

For more information on the incentive fees see the CMAS Management Guide.

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4. Contractor Invoices

Unless otherwise stipulated, the CMAS contractor must send their invoices to the agency address set forth in the purchase order. Invoices shall be submitted in triplicate and shall include the following:

- CMAS number
- Agency purchase order number
- Agency Bill Code (State Only)
- Line item number
- Unit price
- Extended line item price
- Invoice total

State sales tax and/or use tax shall be itemized separately and added to each invoice as applicable.

The company name on the CMAS, purchase order and invoice must match, or the State Controller's Office will not approve payment.

5. Advance Payments

Advance payment is allowed for services only under limited, narrowly defined circumstances, i.e., between specific departments and certain types of non-profit organizations, or when paying another government agency (GC 11256 through 11263 and 11019).

It is NOT acceptable to pay in advance, except software maintenance and license fees, which are considered a subscription and may be paid in advance if a provision addressing payment in advance is included in the purchase order.

Software warranty upgrades and extensions may also be paid for in advance, one time.

6. Credit Card

The CMAS contractor does not accept the State of California credit card (VISA CAL-Card).

7. Leasing/Financing

California State Agencies should use the Golden State Financial Marketplace (GS SMarT) program for all financing and leasing needs. California Local Government Agencies (counties, cities, K-12 school districts, community colleges, California State Universities, Universities of California, etc.) may utilize the GS SMarT program for financing and leasing according to PCC 14937. The minimum dollar amount for Local Government Agency financing and leasing is \$100,000.

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8. Lease/Purchase Analysis

California State agencies must complete a Lease/Purchase Analysis (LPA) to determine best value when contemplating a lease/rental and retain a copy for future audit purposes (SAM 3710).

For short-term rental equipment, the lease/purchase analysis must be approved by DGS Office of Legal Services.

The lease/purchase analysis for all other purchases must be approved by the Department of General Services, GS SMar State Financial Marketplace. Buyers may contact the GS SMar Unit via e-mail at SFM@dgs.ca.gov for further information.

9. Leasing

The State reserves the right to select the form of payment for all procurements, whether it is an outright purchase with payment rendered directly by the State, or a financing/lease-purchase or operating lease via the State Financial Marketplace (GS SMar and/or Lease SMar). If payment is via the financial marketplace, the CMAS contractor will invoice the State and the State will approve the invoice. The selected Lender/Lessor for all product listed on the State's procurement document will pay the supplier on behalf of the State. Buyers may contact the GS SMar Unit via e-mail at SFM@dgs.ca.gov for further information.

OBTAINING COPY OF CMAS

A copy of this CMAS can be obtained at [Cal eProcure](#). Links to the CMAS terms and conditions and base schedule are available on the front page of this CMAS agreement.

It is important for the agency to confirm that the required products, services, and prices are included in the CMAS and are at or below base schedule rates. To streamline verification that the needed items are in the base schedule, the agencies should ask the CMAS contractor to identify the specific location in the base schedule that include the required products, services, and prices. Once verified, agencies should save the information for their file documentation.

FEDERAL DEBARMENT

When federal funds are expended, the agency is required to obtain (retain in file) a signed "Federal Debarment" certification from the CMAS contractor before the purchase order is issued. This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 29 CFR Part 98, Section 98.510, Participants; responsibilities. The regulations were published as Part VII of the May 26, 1988 Federal Register (pages 19160-19211).

CONTRACTOR TRAVEL

The Travel provision is not applicable to this CMAS.

AMERICANS WITH DISABILITY ACT

To view the [DGS Accessibility Policy](#), please visit the DGS website.

PUBLIC HEARING(S)

ITEM 1



CITY OF HUNTINGTON PARK

Community Development Department
City Council Agenda Report

September 17, 2024

Honorable Mayor and Members of the City Council
City of Huntington Park
6550 Miles Avenue
Huntington Park, CA 90255

Honorable Mayor and Members of the City Council:

CONSIDERATION AND APPROVAL OF THE FY 2023-2024 CONSOLIDATED ANNUAL PERFORMANCE AND EVALUATION REPORT (CAPER) FOR FEDERAL GRANT FUNDS

IT IS RECOMMENDED THAT CITY COUNCIL:

1. Conduct a public hearing and take public testimony; and
2. Approve the Consolidated Annual Performance and Evaluation Report (CAPER) for FY 2023-2024, inclusive of any comments received by the City Clerk during the 15-day public comment period.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The City prepares a CAPER in connection with the Five-Year Consolidated Plan and FY 2023-2024 Annual Action Plan (AAP) which details how the City utilized the funds received from the U.S. Department of Housing and Urban Development (HUD). For FY 2023-2024, the City received \$1,121,564 in Community Development Block Grant (CDBG) funds and \$625,800 in HOME Investment Partnerships (HOME) funds. The CAPER reflects all progress and accomplishments in carrying out the City's priorities listed in the FY 2023-2024 AAP and the Five-Year Consolidated Plan. The CAPER is a federally required report for the formula grants, principally comprised of the CDBG and HOME programs.

CONSIDERATION AND APPROVAL OF THE FY 2023-2024 CONSOLIDATED ANNUAL PERFORMANCE AND EVALUATION REPORT (CAPER) FOR FEDERAL GRANT FUNDS

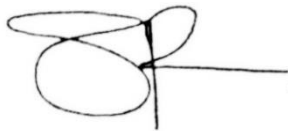
CONCLUSION

Upon Council approval, staff will proceed with the recommended actions.

Respectfully submitted,



RICARDO REYES
City Manager



STEVE FORSTER
Director of Community Development

ATTACHMENT(S)

- A. Notice of Public Hearing and 15-Day Review Period (English and Spanish)
- B. FY 2023-2024 CAPER

Attachment "A"

CITY OF HUNTINGTON PARK NOTICE OF PUBLIC HEARING AND 15-DAY REVIEW PERIOD FOR THE FY 2023/24 CONSOLIDATED ANNUAL PERFORMANCE AND EVALUATION REPORT

NOTICE IS HEREBY GIVEN that the City of Huntington Park will conduct a public hearing for the Fiscal Year (FY) 2023/24 Consolidated Annual Performance and Evaluation Report (CAPER) at 6:00 p.m. on **September 17, 2024**, to be held before the City Council in the Council Chambers located at 6550 Miles Avenue, Huntington Park, California 90255.

The CAPER functions as a report that details the progress and accomplishments in carrying out the City's priorities as identified in the City's FY 2023/24 Annual Action Plan and 2020-2024 Five-Year Consolidated Plan. The U.S. Department of Housing and Urban Development (HUD) requires a CAPER to be prepared and submitted which outlines the end results of federal grant funds. For FY 2023/24, the City received CDBG funds and HOME funds. These funds are designed to assist the City in providing decent and affordable housing; provide community and economic development services; improve public infrastructure; and expand anti-poverty activities for low-and moderate-income persons. The FY 2023/24 CAPER reflects activities conducted between July 1, 2023, to June 30, 2024. Following adoption, the 2023/24 CAPER will be submitted to HUD.

The FY 2023/24 CAPER will be made available for public review for a period of 15-days beginning **Thursday, August 29, 2024**, and ending **Monday, September 16, 2024**. Residents are invited to email iahumada@hpca.gov or call in at (323) 584-6290 their comments to the Community Development Department **no later than 5:00 p.m. on September 16, 2024**. A copy of the CAPER will be made available for review on the City's website at www.hpca.gov or can be viewed at the following locations:

- City Hall, City Clerk, and Community Development Department, 6550 Miles Avenue, Huntington Park, CA 90255
- Huntington Park Library, 6518 Miles Avenue, Huntington Park, CA 90255
- Salt Lake Park, 3401 E. Florence Avenue, Huntington Park, CA 90255

It is the City's goal to comply with Section 504 of the Rehabilitation Act of 1973, as amended by, the American with Disabilities Act (ADA) of 1990 and the ADA Amendment Act of 2008, the Fair Housing Act, and the Architectural Barriers Act in all respects. For this reason, special accommodations for disabilities and/or language barriers are available, including translation services for Spanish, as required by the City's Citizen Participation Plan.

Any requests for special accommodations may be directed to Ishah Ahumada, at (323) 584-6290 or via email at iahumada@hpca.gov. Notification at least 48 hours prior to the meeting or time when services are needed will assist the City staff in assuring that reasonable arrangements can be made to provide participation in the meeting or service.

CIUDAD DE HUNTINGTON PARK
AVISO DE AUDIENCIA PÚBLICA Y PERÍODO DE REVISIÓN DE 15 DÍAS PARA EL
INFORME ANUAL DEL 2023/24 CONSOLIDATED ANNUAL PERFORMANCE AND EVALUATION
REPORT

POR LA PRESENTE SE NOTIFICA que la Ciudad de Huntington Park llevará a cabo una audiencia pública para el Informe Anual Consolidado de Desempeño y Evaluación (CAPER) del Año Fiscal (FY) 2023/24 a las 6:00 p.m. el **17 de septiembre de 2024**, que se llevará a cabo ante el Concejo Municipal en las Cámaras del Consejo ubicadas en **6550 Miles Avenue, Huntington Park, California 90255**.

El CAPER funciona como un informe que detalla el progreso y los logros en la realización de las prioridades de la Ciudad identificadas en el Plan de Acción Anual del Año Fiscal 2023/24 y el Plan Consolidado Quinquenal 2020-2024. El Departamento de Vivienda y Desarrollo Urbano de los Estados Unidos (HUD, por sus siglas en inglés) requiere que se prepare y presente un CAPER que describa los resultados finales de los fondos de subvenciones federales. Para el año fiscal 2023/24, la Ciudad recibió fondos de CDBG y fondos de HOME. Estos fondos están diseñados para ayudar a la Ciudad a proporcionar viviendas decentes y asequibles; prestar servicios de desarrollo comunitario y económico; mejorar la infraestructura pública; y ampliar las actividades de lucha contra la pobreza para las personas de ingresos bajos y moderados. El CAPER del año fiscal 2023/24 refleja las actividades realizadas entre el 1 de julio de 2023 y el 30 de junio de 2024. Tras la adopción, el CAPER del año fiscal 2023/24 se presentará a HUD.

El CAPER del año fiscal 2023/24 estará disponible para revisión pública por un período de 15 días a partir del **jueves 29 de agosto de 2024 y hasta el lunes 16 de septiembre de 2024**. Se invita a los residentes a enviar un correo electrónico [a iahumada@hpca.gov](mailto:iahumada@hpca.gov) o llamar al (323) 584-6290 con sus comentarios al Departamento de Desarrollo Comunitario **a más tardar a las 5:00 p.m. del 16 de septiembre de 2024**. Una copia del CAPER estará disponible para su revisión en el sitio web de la Ciudad [en www.hpca.gov](http://www.hpca.gov) o se puede ver en los siguientes lugares:

- Ayuntamiento, Secretario de la Ciudad y Departamento de Desarrollo Comunitario, 6550 Miles Avenue, Huntington Park, CA 90255
- Biblioteca de Huntington Park, 6518 Miles Avenue, Huntington Park, CA 90255
- Salt Lake Park, 3401 E. Florence Avenue, Huntington Park, CA 90255

El objetivo de la Ciudad es cumplir con la Sección 504 de la Ley de Rehabilitación de 1973, enmendada por la Ley de Estadounidenses con Discapacidades (ADA) de 1990 y la Ley de Enmienda de la ADA de 2008, la Ley de Vivienda Justa y la Ley de Barreras Arquitectónicas en todos los aspectos. Por esta razón, hay adaptaciones especiales disponibles para discapacidades y / o barreras lingüísticas, incluidos servicios de traducción para español, según lo requiere el Plan de Participación Ciudadana de la Ciudad.

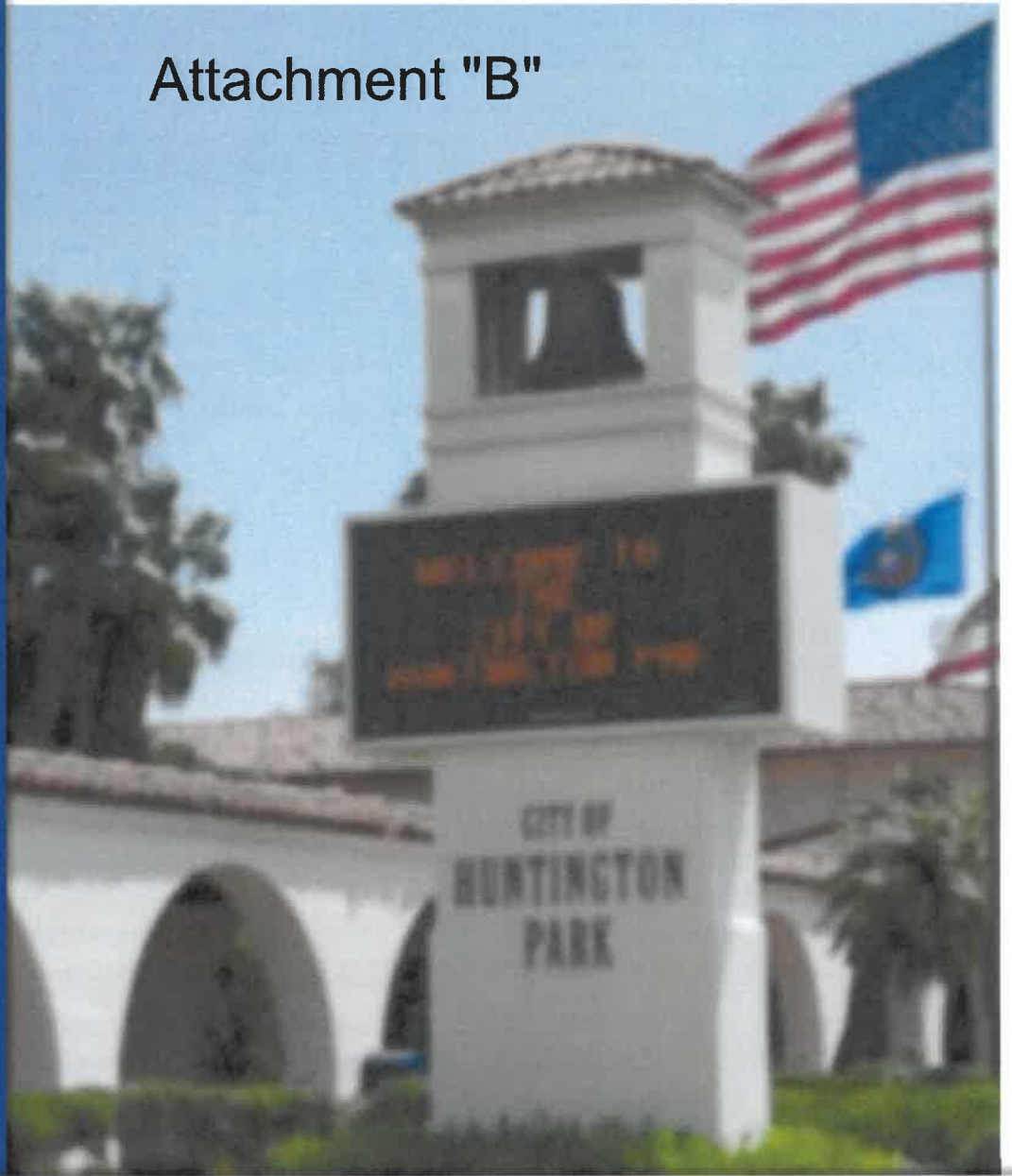
Cualquier solicitud de adaptaciones especiales puede dirigirse a Ishah Ahumada, al (323) 584-6290 o por correo electrónico a iahumada@hpca.gov. La notificación al menos 48 horas antes de la reunión o la hora en que se necesitan servicios ayudará al personal de la Ciudad a asegurar que se puedan hacer arreglos razonables para proporcionar participación en la reunión o servicio.

Attachment "B"



CITY OF
HUNTINGTON
PARK

FY 2023
CAPER



FY 2023-2024

CONSOLIDATED ANNUAL PERFORMANCE AND EVALUATION REPORT

September 2024





HUNTINGTON PARK

THE CITY OF PERFECT BALANCE *California*

August 29, 2024

Dear Residents of Huntington Park:

Each year, the City of Huntington Park (City) is required to submit a Consolidated Annual Performance Evaluation Report (CAPER) detailing the accomplishments for programs funded by the United States Department of Housing and Urban Development (HUD).

In the 2023-2024 program year spanning July 1, 2023 through June 30, 2024 the City received a total of \$1,747,364 in entitlement funds, of which \$1,121,564 is designated for the Community Development Block Grant (CDBG) Program and \$625,800 for the HOME Program respectively. The CAPER documents the overview of development activities and programs funded by CDBG and HOME funds that collectively help to implement the City's Five-Year Consolidated Plan. The 2023-2024 program year spanning July 1, 2023 through June 30, 2024 is the City's fourth year reporting period of its Five-Year 2020-2024 Consolidated Plan (Consolidated Plan).

The FY 2023-2024 CAPER will be made available for public review for a period of 15-days beginning Thursday, August 29, 2024, and ending Monday, September 16, 2024. Residents are invited to email iahumada@hpca.gov or call in at (323) 584-6290 their comments to the Community Development Department no later than 5:00 p.m. on September 16, 2024. A copy of the CAPER will be made available for review on the City's website at www.hpca.gov or can be viewed at the following locations:

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- Huntington Park Library, 6518 Miles Avenue, Huntington Park, CA 90255
- Salt Lake Park, 3401 E. Florence Avenue, Huntington Park, CA 90255

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CR-05 - Goals and Outcomes

Progress the jurisdiction has made in carrying out its strategic plan and its action plan. 91.520(a)

This could be an overview that includes major initiatives and highlights that were proposed and executed throughout the program year

Each program year, the City of Huntington Park (City) is required to submit a Consolidated Annual Performance Evaluation Report (CAPER) to the United States Department of Housing and Urban Development (HUD) detailing the expenditures is has accomplished with federal Community Development Block Grant (CDBG) and HOME Investment Partnerships (HOME) funds. The 2023-2024 program year spanning July 1, 2023 through June 30, 2024 is the City's fourth year reporting period of its Five-Year 2020-2024 Consolidated Plan (Consolidated Plan). In addition, the CAPER will report on the expenditures and accomplished achieved by the City with Community Development Block Grant Coronavirus (CDBG-CV) funds as authorized by the Coronavirus Aid, Relief, and Economic Security (CARES) Act, enacted in March 2020 and programmed in the City's 2019-2020 Annual Action Plan. As an entitlement grantee, the City receives CDBG and HOME funds on an annual basis from HUD. The City allocates these funds each program year via their Annual Action Plan to eligible activities that addresses the City's Five-Year Strategic Plan towards addressing the community's needs, especially its low- and moderate-income population. During the 2023-2024 program year, the City received \$1,121,564 in CDBG and \$625,800 in HOME funds. Lastly, the City utilized CDBG-CV funds to implement activities that prepared for, prevented, and responded to Coronavirus pandemic. Along with other resources, the City and its partners were able to accomplish the following during the 2023-2024 program year:

- CDBG - Support Agencies that Assist Homeless Populations.
- CDBG - Support Agencies that Assist Special Needs Population
- CDBG - Provided Needed Infrastructure Improvements
- CDBG - Preserved Existing Public Facilities.
- CDBG - Provided Needed Community Services to LMI Persons.
- CDBG - Provided Fair Housing services
- CDBG - Provided general CDBG Administration services.
- HOME - Provided general HOME Administration services.
- HOME - Preserve Existing & Create New Affordable Housing,
- CDBG-CV - Provided Emergency Rental Assistance to Residents.

Comparison of the proposed versus actual outcomes for each outcome measure submitted with the consolidated plan and explain, if applicable, why progress was not made toward meeting goals and objectives. 91.520(g)

Categories, priority levels, funding sources and amounts, outcomes/objectives, goal outcome indicators, units of measure, targets, actual outcomes/outputs, and percentage completed for each of the grantee's program year goals.

Goal	Category	Source / Amount	Indicator	Unit of Measure	Expected – Strategic Plan	Actual – Strategic Plan	Percent Complete	Expected – Program Year	Actual – Program Year	Percent Complete
1. Preserve Existing & Create New Affordable Housing	Affordable Housing	CDBG: \$ 0 HOME: \$469,350	Homeowner Housing Rehabilitated: Home Repair Program	Household Housing Unit	50			10	0	0%
2. Support Agencies that Assist Homeless Populations	Homeless	CDBG: \$50,234.60	Homelessness Prevention: Inner City Visions	Persons Assisted	1000			282	361	128%
3. Support Agencies that Assist Special Needs Pop.	Non-Homeless Special Needs	CDBG: \$75,000	Public service activities other than Low/Moderate Income Housing Benefit: Senior Program	Persons Assisted	1000			100	483	483%
4. Provide Needed Infrastructure Improvements	Non-Housing Community Development	CDBG: \$500,000	Public Facility or Infrastructure Activities other than Low/Moderate Income Housing Benefit: City Wide WIFI Project	Persons Assisted	150,000			53,644	53,644	100%

5. Preserve Existing Public Facilities	Non-Housing Community Development	CDBG: \$229,016.60	Public Facility or Infrastructure Activities other than Low/Moderate Income Housing Benefit: Hub Cities	Persons Assisted	50,000			650	650	100%
6. Provide Needed Community Services to LMI Persons	Non-Homeless Special Needs	CDBG: \$43,000	Priority Community Services: Afterschool Program	Persons Assisted	1500			80	154	192.5%
7. Planning and Community Development	Planning and Community Development	CDBG: \$ 204,312.80 HOME: \$62,580	CDBG Administration HOME Administration	Other	10	8	80%	2	2	100%
8. Planning and Community Development	Planning and Community Development	CDBG: \$ 20,000	Fair Housing Services	Persons Assisted	500			200	235	117.5%

Table 1 - Accomplishments – Program Year & Strategic Plan to Date

Assess how the jurisdiction's use of funds, particularly CDBG, addresses the priorities and specific objectives identified in the plan, giving special attention to the highest priority activities identified.

The FY 2020 – 2025 Consolidated Plan focuses on public services, suitable living environment for low- and very low-income households, seniors, persons with special needs, and individuals experiencing homelessness, and facility improvements in LMI areas. The FY 2024 activities address priority goals set forth in the City's 2020-2024 Five-Year Consolidated Plan.

During FY 2023, the City's allocation assisted with the following projects

- Inner City Visions – Provided 130 low-income and homeless individuals with food, shelter, assistance in finding housing and other

supportive services to help them in their daily lives.

- Senior Program – Provided 483 low-income seniors with free educational workshops, nutrition, physical activity.
- Afterschool Program – Providing 154 low-income youths with a safe place to participate in physical activities and homework assistance
- Fair Housing – Provided 235 Huntington Park residents with fair housing education, counseling, and enforcement to affirmatively further fair housing laws.
- Wi-Fi Facilities / Construction – Provided free WIFI services to 53,644 Huntington Park residents Citywide.

CR-10 - Racial and Ethnic composition of families assisted.

**Describe the families assisted (including the racial and ethnic status of families assisted).
91.520(a)**

	CDBG	HOME
White		0
Black or African American		0
Asian		0
American Indian or American Native		0
Native Hawaiian or Other Pacific Islander		0
Other		0
Total		0
Hispanic		0
Not Hispanic		0

Table 2 – Table of assistance to racial and ethnic populations by source of funds

Narrative

There was a total of XXX people assisted during the 2023 program year.

Identify the resources made available.

Source of Funds	Source	Resources Made Available	Amount Expended During Program Year
CDBG	public - federal	\$1,121,564	\$0
HOME	public - federal	\$625,800	\$0

Table 3 - Resources Made Available

Narrative

Identify the geographic distribution and location of investments.

Target Area	Planned Percentage of Allocation	Actual Percentage of Allocation	Narrative Description
City of Huntington Park	100%	100%	City of Huntington Park

Table 4 – Identify the geographic distribution and location of investments

Narrative

The City utilizes a majority of its CDBG funds for projects and programs operated citywide. Approximately 80% of CDBG funds were allocated towards activities that are targeted to the most-needy neighborhoods: those census tracts where 51% or more of the residents are low- or moderate-income. Annually, the City will check the HUD GIS maps to determine census tract and block group eligibility.

Leveraging

Explain how federal funds leveraged additional resources (private, state and local funds), including a description of how matching requirements were satisfied, as well as how any publicly owned land or property located within the jurisdiction that were used to address the needs identified in the plan.

The City of Huntington Park does not require a match for HOME and CDBG funds since it is a fiscally distressed neighborhood with a high percentage of low-income households. However, they encourage CDBG sub-recipients to obtain additional funding from outside sources to maximize service impact for activities provided to the low-moderate income residents of the city. Inner City Visions, Fair Housing Foundation, Hub Cities utilize other funds to help expand their services.

The City of Huntington Park utilizes the following City Parks for the Afterschool Program that assisted 154 low-income youths:

- Robert Keller Park - 6550 Miles Ave. Huntington Park, CA 90255
- Freedom Park - 3801 E 61st St, Huntington Park, CA 90255
- Salt Lake - 3401 E. Florence Ave. Huntington Park, CA 90255

The Senior Program utilizes the City of Huntington Park Community Center located at 6925 E. Florence Ave.

Fiscal Year Summary – HOME Match	
1. Excess match from prior Federal fiscal year	0
2. Match contributed during current Federal fiscal year	0
3. Total match available for current Federal fiscal year (Line 1 plus Line 2)	0
4. Match liability for current Federal fiscal year	0
5. Excess match carried over to next Federal fiscal year (Line 3 minus Line 4)	0

Table 5 – Fiscal Year Summary - HOME Match Report

Match Contribution for the Federal Fiscal Year								
Project No. or Other ID	Date of Contribution	Cash (non-Federal sources)	Foregone Taxes, Fees, Charges	Appraised Land/Real Property	Required Infrastructure	Site Preparation, Construction Materials, Donated labor	Bond Financing	Total Match
N/A	N/A	0	0	0	0	0	0	0

Table 6 – Match Contribution for the Federal Fiscal Year

HOME MBE/WBE report

Program Income – Enter the program amounts for the reporting period				
Balance on hand at beginning of reporting period \$	Amount received during reporting period \$	Total amount expended during reporting period \$	Amount expended for TBRA \$	Balance on hand at end of reporting period \$
0	0	0		0

Table 7 – Program Income

Minority Business Enterprises and Women Business Enterprises – Indicate the number and dollar value of contracts for HOME projects completed during the reporting period						
	Total	Minority Business Enterprises				White Non-Hispanic
		Alaskan Native or American Indian	Asian or Pacific Islander	Black Non-Hispanic	Hispanic	
Contracts						
Dollar Amount	0	0	0	0	0	0
Number	0	0	0	0	0	0
Sub-Contracts						
Number	0	0	0	0	0	0
Dollar Amount	0	0	0	0	0	0
	Total	Women Business Enterprises	Male			
Contracts						
Dollar Amount	0	0	0			
Number	0	0	0			
Sub-Contracts						
Number	0	0	0			
Dollar Amount	0	0	0			

Table 8 - Minority Business and Women Business Enterprises

Minority Owners of Rental Property – Indicate the number of HOME assisted rental property owners and the total amount of HOME funds in these rental properties assisted						
	Total	Minority Property Owners				White Non-Hispanic
		Alaskan Native or American Indian	Asian or Pacific Islander	Black Non-Hispanic	Hispanic	
Number	0	0	0	0	0	0
Dollar Amount	0	0	0	0	0	0

Table 9 – Minority Owners of Rental Property

Relocation and Real Property Acquisition – Indicate the number of persons displaced, the cost of relocation payments, the number of parcels acquired, and the cost of acquisition		
Parcels Acquired	0	0
Businesses Displaced	0	0

Nonprofit Organizations Displaced		0	0			
Households Temporarily Relocated, not Displaced		0	0			
Households Displaced	Total	Minority Property Enterprises				White Non-Hispanic
		Alaskan Native or American Indian	Asian or Pacific Islander	Black Non-Hispanic	Hispanic	
Number	0	0	0	0	0	0
Cost	0	0	0	0	0	0

Table 10 – Relocation and Real Property Acquisition

CR-20 - Affordable Housing 91.520(b)

Evaluation of the jurisdiction's progress in providing affordable housing, including the number and types of families served, the number of extremely low-income, low-income, moderate-income, and middle-income persons served.

	One-Year Goal	Actual
Number of Homeless households to be provided affordable housing units	0	0
Number of Non-Homeless households to be provided affordable housing units	0	0
Number of Special-Needs households to be provided affordable housing units	0	0
Total	0	0

Table 11 – Number of Households

	One-Year Goal	Actual
Number of households supported through Rental Assistance	18	18
Number of households supported through The Production of New Units	9	0
Number of households supported through Rehab of Existing Units	10	0
Number of households supported through Acquisition of Existing Units	0	0
Total	0	0

Table 12 – Number of Households Supported

Discuss the difference between goals and outcomes and problems encountered in meeting these goals.

The City utilized previously awarded CDBG-CV funds to implement its Emergency Housing Assistance Program in which the City was able to assist 18 unduplicated residents, with rental and utility assistance to prevent homelessness and provide affordable housing for the City's residents.

The City has been researching potential Community Housing Development Organizations (CHDOs) to continue developing housing for homeless individuals, special needs, and disabled populations. The City has explored a partnership with Linc Housing, an experienced organization in affordable housing development in California, known for projects like Mosaic Gardens in Huntington Park.

The City has collaborated with Azure Development, using 2015, 2016, and 2017 HOME funds to support the development of Amada Homes, which will offer 9 affordable units for low-income households. This project is ongoing, with completion expected in 2025.

The Home Repair Program, which assists low-income households with home rehabilitation, was paused

during the COVID-19 pandemic but resumed in March 2023. The program is currently processing 14 pre-approved applicants and is expected to complete construction for homeowners by 2025.

Discuss how these outcomes will impact future annual action plans.

The City's 2020-2024 Consolidated Plan identified the preservation and creation of affordable housing as a high priority need. The city is resuming its Home Repair Program that was previously placed on hold due to COVID-19. The Home Repair Program will assist low-moderate residents with health and safety repairs in their home. The COVID-19 pandemic has had a lasting effect on the progress toward achieving affordable housing goals. Nonetheless, the city has made notable strides in FY 2023, positioning itself for future annual action plan success.

Include the number of extremely low-income, low-income, and moderate-income persons served by each activity where information on income by family size is required to determine the eligibility of the activity.

Number of Households Served	CDBG Actual	HOME Actual
Extremely Low-income		0
Low-income		0
Moderate-income		0
Total		0

Table 13 – Number of Households Served

Narrative Information

A total of \$166,626 was allocated for two public service agencies that serve primarily low to moderate income individuals and families which includes Inner City Visions and Salvation Army. The City allocated \$20,000 in CDBG admin for Fair Housing Foundation, a public service agency that informs renters of their legal rights, assist with landlord/tenant disputes, and rental discrimination. Inner City Visions utilized their funds to assist 180 extremely low-income individuals. Fair Housing Foundation utilized their funds to assist 137 extremely low income, 98 low income, and 2 moderate income individuals. The Salvation Army did not use any CDBG funds for the program year.

CR-25 - Homeless and Other Special Needs 91.220(d, e); 91.320(d, e); 91.520(c)

Evaluate the jurisdiction's progress in meeting its specific objectives for reducing and ending homelessness through:

Reaching out to homeless persons (especially unsheltered persons) and assessing their individual needs

The number of people experiencing homelessness in Los Angeles County remains relatively high at approximately 75,518 on a single night in January 2023, as referenced in the Greater Los Angeles Homeless Count, 2023; of these, approximately 55,155 are unsheltered. The City lies within the jurisdiction of Service Planning Area (SPA) 7 - East Los Angeles County as part of the L. A. CoC. As reported in the 2023 Greater Los Angeles Homeless Count, there were approximately 6,511 people experiencing homelessness in SPA 7; of these, 206 were unsheltered.

Preventing and ending homelessness is a City and HUD high priority addressed through coordination of regional strategies carried out locally by government agencies and a wide variety of community-based organizations and faith-based groups. To further exemplify this approach, the City supports the efforts of the Los Angeles Homeless Services Authority (LAHSA) in their mission to drive the collaborative strategic vision to create solutions for the crisis of homelessness grounded in compassion, equity, and inclusion. In December of 1993, the Los Angeles County Board of Supervisors, the L. A. Mayor, and City Council created the LAHSA as an independent, joint powers authority. LAHSA is the lead agency in the L. A. CoC, which is the regional planning body that coordinates housing and services for homeless families and individuals in the County. LAHSA coordinates and manages over \$800 million annually in federal, state, county, and city funds to programs that provide shelter, housing, and services to people experiencing homelessness. In alignment with these strategies, the City has allocated CDBG and CDBG-CV funds to the public service provider Salvation Army Southeast Communities and Inner-City Visions to implement activities that assist the homeless and those at-risk of homelessness with case management, referral and/ or supportive services to homeless individuals within the City to transition them from the streets into permanent housing.

In addition, the City of Huntington Park Police Department (HPPD) is part of the Southeast Regional Mental Evaluation Team (SERMET), a successful mental health and homeless outreach partnership with the Los Angeles County Department of Mental Health. SERMET facilitates for police officers and mental health clinicians to work together, to provide support and resources to the mentally ill and homeless population in the community. HPPD uses allocated City Law Enforcement funding to pay the salary of full-time police officer to work exclusively with the SERMET program and to expand on HPPD's current outreach and assistance to the homeless population in the community.

Addressing the emergency shelter and transitional housing needs of homeless persons

Preventing and ending homelessness is a high priority need. The consensus throughout the nation to addressing these needs is based on a housing first philosophy. However, due to low availability of affordable housing and wages not keeping up with rental costs in Los Angeles County, this is a tough endeavor. An alternative to this approach is provided through emergency shelter and transitional

housing for persons experiencing homelessness; while there are no emergency shelters located in the City, a 450-bed regional shelter is located in the adjacent City of Bell.

During the 2022-2023 program year, the City awarded funds to its Inner-City Visions program to provide case management, referral services, and other services to help combat the needs of homeless persons. The City will continue to collaborate with stakeholders and public service providers to help reduce the need for emergency shelter and transitional housing needs. However, this task will take time to address as the needs for emergency shelters and transitional housing are vast as illustrated in the 2023 Greater Los Angeles Homeless Count.

Helping low-income individuals and families avoid becoming homeless, especially extremely low-income individuals and families and those who are: likely to become homeless after being discharged from publicly funded institutions and systems of care (such as health care facilities, mental health facilities, foster care and other youth facilities, and corrections programs and institutions); and, receiving assistance from public or private agencies that address housing, health, social services, employment, education, or youth needs

In addition to Huntington Park Police Department (HPPD) partnership with the Southeast Regional Mental Evaluation Team (SERMET), the City continues to address needs of the homeless and those at risk of homelessness, by partnering with experienced service providers like Inner City Visions and Salvation Army. Service providers have an essential role in providing homeless case management; and engaging the homeless through a street outreach component to connect them to available services.

The City continued to contract with Fair Housing Foundation to provide a wide range of fair housing services to ensure equal housing opportunities for its residents. Their services include tenant and landlord workshops, virtual counseling, walk-in clinics (pre-COVID-19), outreach and education.

Lastly, to address the impacts of COVID-19, the City utilized prior year CDBG-CV funds to implement its Emergency Rental Assistance Program in which the City will continue assist a vast number of unduplicated residents, with rental and utility assistance to prevent homelessness.

The City continued to contract with Fair Housing Foundation to provide a wide range of fair housing services to ensure equal housing opportunities for its residents. Their services include tenant and landlord workshops, virtual counseling, walk-in clinics (pre-COVID-19), outreach and education.

Helping homeless persons (especially chronically homeless individuals and families, families with children, veterans and their families, and unaccompanied youth) make the transition to permanent housing and independent living, including shortening the period of time that individuals and families experience homelessness, facilitating access for homeless individuals and families to affordable housing units, and preventing individuals and families who were recently homeless from becoming homeless again

The City continues to bridge partnerships with local organizations to help homeless persons make the transition to permanent housing and independent living. The City fully supports LAHSA's efforts as the

lead agency in the Los Angeles Continuum of Care that coordinates housing and services for homeless families and individual in Los Angeles County. LAHSA coordinates with over 100 nonprofit partner agencies to coordinate permanent housing, supportive services, access centers, emergency shelters, safe havens, transitional and permanent housing, along with the necessary supportive services designed to provide the tools and skills required to attain a stable housing environment. The City also advocates for Inner City Visions to provide victims of domestic violence who are homeless with job placement, individualized educational programs, financial resources, peer support to prevent them from becoming homeless again. Furthermore, City of Huntington Park will use its HOME-ARP allocation of \$2,180,103 as amended in March 2023 to fund acquisition and rehabilitation of non-congregate shelters.

CR-30 - Public Housing 91.220(h); 91.320(j)

Actions taken to address the needs of public housing

The City does not administer Housing Choice Vouchers (i.e., Section 8 Vouchers) and does not own Public Housing units. However, the City falls within the service area of the Los Angeles County Development Authority (LACDA) for the purpose of Housing Choice Vouchers and Public Housing. The Housing Choice Voucher Program offers tenant-based assistance subsidized by the Federal government. Participants find their own rental housing in the open market and pay a portion of their income towards rent. The LACDA subsidizes the balance of the monthly rent in direct payments to the owner through funding received by the U.S. Department of Housing and Urban Development (HUD). According to the LACDA Annual Plan for Fiscal Year 2022-2023, the LACDA manages a total of 25,772 Housing Choice Vouchers.

In addition, the LACDA receives funding from the U.S. Department of Housing and Urban Development (HUD) to maintain and manage public and affordable housing located throughout Los Angeles County. The LACDA owns and operates 3,229 public housing units located on 68 properties serving more than 6,500 residents. Residents of public or affordable housing pay no more than 30% of their adjusted monthly gross income for rent. Rental receipts and an operating subsidy from HUD supply most of the funds to provide affordable, quality housing and safe environments for families with limited means. As of April 2023, there is no public housing units managed by the LACDA in the City.

Actions taken to encourage public housing residents to become more involved in management and participate in homeownership

The LACDA and the City encourage and promote public housing residents to explore homeownership opportunities and programs. The LACDA provides a variety of programs that help potential homebuyers make their dream a reality. Through programs such as the Home Ownership Program, Mortgage Credit Certificate Program and First Home Mortgage Program, homebuyers can gain access to financial resources such as down payment, closing costs assistance and Federal Tax Credits. In addition, LACDA's Family Self-Sufficiency (FSS) program is a five-year voluntary program designed to help families achieve economic self-sufficiency and home ownership by providing services ranging from case management and referrals to supportive social services.

The City resumed their First Time Home Buyer Program (FTHB) in April 2023 following its hold due to COVID-19 and held a homebuyer workshop on March 7, 2023 with 15 households in attendance. The FTHB program will assist residents with downpayment towards their first home. However, with the rising cost of homes in the Los Angeles County it has been proven a challenge to find homes that are affordable to its FTHB applicant. By leveraging previous HOME funds, the City partnered with Azure Developer for the development of Amada Townhomes that will provide nine (9) for affordable units in the City.

Actions taken to provide assistance to troubled PHAs

Not applicable.

CR-35 - Other Actions 91.220(j)-(k); 91.320(i)-(j)

Actions taken to remove or ameliorate the negative effects of public policies that serve as barriers to affordable housing such as land use controls, tax policies affecting land, zoning ordinances, building codes, fees and charges, growth limitations, and policies affecting the return on residential investment. 91.220 (j); 91.320 (i)

State law recognizes the vital role local governments play in the availability, adequacy, and affordability of housing. Every jurisdiction in California is required to adopt a comprehensive, long-term General Plan to guide its physical development. The Housing Element is one of the seven mandated elements of the General Plan. Housing Element law mandates that local governments adequately plan to meet the existing and projected housing needs of all economic segments of the community.

Potential governmental constraints include land use controls, building codes and their enforcement, site improvements, fees and other exactions required of developers, and local development processing and permit procedures.

The City has made the following progress in removing public sector impediments to affordable housing:

- Through its Density Bonus/Affordable Housing ordinance, providing a density bonus and one additional regulatory incentive in exchange for the inclusion of affordable units. The ordinance identifies specific regulatory incentives that may be granted, including decreased parking standards, increased height, and reduced setbacks, among other items. Units must remain affordable for at least 30 years, or where Redevelopment funds are involved, 45 years for ownership units and 55 years for rental units.
- Under Government Code Section 65915-65918, a density increase over the otherwise maximum allowable residential density under the Municipal Code is available to developers who agree to construct housing developments with units affordable to low- or moderate-income households or senior citizen housing development.
- The City's Zoning Ordinance permits zero lot line/small lot developments within the RH and R-M zoning districts, to add standards for small lot developments. The standards act as an alternative to attached housing in multi-family districts. By allowing smaller lot sizes, the ordinance facilitates the development and reduces development costs.
- The City's Zoning Code establishes modified development standards to facilitate the provision of senior housing (age 55+). Senior housing is permitted at densities up to 225 units per gross acre within the Senior Citizen Housing Overlay. In addition, a reduced parking ratio of one space for every two guest rooms is provided.
- The City's Zoning Code regulates the conversion of rental units to condominiums through a Conditional Use Permit process as a means of managing the undesirable aspects of conversion projects on tenants and the stock of rental housing in the community. Prior to approval, the Commission must find the following:
 - Project will not adversely affect the supply and availability of rental housing
 - At least 25% of the project's tenants qualify for the purchase of units

- Maximum occupancy of one tenant
- Minimum unit size of 150 square feet
- Toilet and sink in room separate from living space
- If complete bathrooms not provided in each unit, shared showers to be provided on each floor
- If kitchens not provided in each unit, common kitchen facility shall be provided on each floor
- Management Plan submitted for review with Conditional Use Permit
- The City has amended its Zoning Ordinance to permit emergency shelters with up to 30 beds in the MPD zone by right and emergency shelters with more than 30 beds, subject to a CUP.
- The City adopted a Reasonable Accommodation Ordinance in which the purpose is to provide individuals with disabilities reasonable accommodation in regulations and procedures to ensure equal access to housing, and to facilitate the development of housing.
- The City has adopted standards to regulate the development and operation of SROs.

Actions taken to address obstacles to meeting underserved needs. 91.220(k); 91.320(j)

The City of Huntington Park identified long-range strategies, activities and funding sources to implement the goals in the areas of housing and community development services for the benefit of the residents.

- The City continued to seek other resources and funding sources to address the biggest obstacle to meeting the community's underserved needs, which is the lack of funding and/or inadequate funding.
- The City looked for innovative and creative ways to make its delivery systems more comprehensive and will continue existing partnerships with both for-profit and not-for-profit organizations.
- The City addressed community development needs with federal funds such as infrastructure improvements and improving public facilities.

Actions taken to reduce lead-based paint hazards. 91.220(k); 91.320(j)

To better protect children and families against lead poisoning, in 1999 HUD instituted revised lead-based paint regulations focused around the following five activities:

- Notification
- Lead Hazard Evaluation
- Lead Hazard Reduction
- Ongoing Maintenance
- Response to Children with Environmental Intervention Blood Lead Level

The Community Development Department coordinated the City's efforts to reduce lead-based paint hazards pursuant to HUD Lead Based Paint Regulations (Title X). To reduce lead in existing housing, the City requires all rehabilitation projects funded with CDBG and HOME to be tested for lead-based paint and asbestos. When a lead-hazard is present, a lead consultant is hired to provide abatement or

implementation of interim controls.

Additionally, the City partnered with Communities for a Better Environment (CBE) and the Los Angeles Community Legal Center (LACLC) to launch the Indoor Lead Abatement Project and Lead Rehabilitation Program. The program reached out to and educated residents with small children (or children who visited) in 105 Huntington Park residences. CBE also signed up qualified low-income tenants and homeowners to receive lead paint abatement.

The City also coordinated with the L.A. County Childhood Lead Prevention Program (CCLPP). CCLPP is responsible for enforcement of L.A. County's Lead Abatement Ordinance, including inspection, regulations and consultation. The CCLPP provided the City with the address of any household where there was evidence of lead poisoning or elevated blood levels in children or any other evidence of lead from a physical inspection of a property. The City contacted the property owners and offered financial aid to assist in the abatement of the hazard. The City provided lead hazard education and outreach through its newsletter and at other information distribution outlets (e.g., City Hall, Parks and Recreation, and the Library).

The LEAD program ended in November 2018 and has been concluded as of February 2019.

Actions taken to reduce the number of poverty-level families. 91.220(k); 91.320(j)

The 2015-2019 American Community Survey reported that 23.6% of the City residents were living in poverty. Of greatest concern is an increase in the number of individuals and families becoming homeless or at risk of becoming homeless due to poor economic conditions. Major factors affecting the increase in poverty are unemployment and underemployment and climbing costs, especially of safety-net expenditures like insurance and health care, which the 2015-2019 American Survey reported that 18.9% of the City's residents under the age of 65 were living without health insurance.

Now, with the COVID-19 Pandemic having forced several businesses to close or lay-off a vast majority of their employees due to economic or social-distancing reasons. For this reason, many have found themselves without a job and struggling to keep a roof over their heads. This will be a great endeavor for the City to assess and properly act towards. Fortunately, actions are being taken now by the City by utilizing its previously awarded CDBG-CV funds towards its Emergency Rental Assistance Program.

Based on the Consolidated Plan's Needs Assessment and available resources in program year, the City allocated CDBG funds to support public service programs for the benefit of low to moderate-income residents. The City also expanded and created new partnerships with service providers and community-based organizations to provide community enrichment programming, affordable housing, case management services, and the development of life skills and self-sufficiency.

The City will fully have complied with Section 3 of the Housing and Community Development Act, which helps foster local economic development and individual self-sufficiency. This set of regulations requires that, to the greatest extent feasible, the City provide job training, employment, and contracting opportunities for low or very low-income residents and business concerns in connection with housing and public construction projects.

Actions taken to develop institutional structure. 91.220(k); 91.320(j)

As the recipient of CDBG and HOME funds, the City delegated the Community Development Department to be the lead responsible for the Analysis of Impediments to Fair Housing. The Community Development Department was tasked with drafting the Annual Action Plan and CAPER.

The City worked with non-profit agencies, for-profit developers, advocacy groups, clubs, and organizations, neighborhood leadership groups, City departments and with the private sector to implement the City's five-year strategy to address the priority needs outlined in the Consolidated Plan for Fiscal Years 2020-2021 thru 2024-2025. Engaging the community and stakeholders in the delivery of services and programs for the benefit of low to moderate residents was vital in overcoming gaps in service delivery. The City also utilized public notices, Community Workshops and Meetings (as appropriate) (Facebook Live), the City's website, and other forms of media to deliver information on carrying out the Consolidated Plan strategies.

Actions taken to enhance coordination between public and private housing and social service agencies. 91.220(k); 91.320(j)

In an ongoing effort to bridge the gap of various programs and activities, the City developed partnerships and collaborations with local service providers and City departments that have been instrumental in meeting the needs and demands of the homeless, low-income individuals and families, and other special needs. The array of partners includes but are not limited to: the Huntington Park Police Department, Parks and Recreation, and Public Works Departments; the Salvation Army; HP Library; HUB Cities; and Fair Housing Foundation. During FY 2022-2023, the City continued to foster these partnerships.

Identify actions taken to overcome the effects of any impediments identified in the jurisdictions analysis of impediments to fair housing choice. 91.520(a)

A regional analysis of impediments was completed in 2019. Some of the impediments identified include inequality in lending, lack of access to opportunity (especially in transportation and jobs proximity), lack of necessary zoning for housing types, a need for affordable housing to the cost-burdened, and the potential for housing discrimination. The development of strategies to remove impediments to fair housing was completed prior to the 2020-2024 Consolidated Plan process.

The previous analysis identified inadequate analysis of lending practices as well as lack of initiatives to promote fair housing. An action the City has taken is to support the Fair Housing Foundation, which provides fair housing education and counseling to the community. Additionally, the City participated workshops to learn from the public their experiences with housing discrimination and difficulties finding housing.

Regarding barriers to Section 8 vouchers, the City has worked with HACLA to develop effective outreach strategies that include the Section 8 Marketing Packet and delivering packets to landlords with rentals in the City of Huntington Park.

To address barriers to the development of affordable housing throughout the City, the City is working on its inclusionary ordinance and also working on the ordinance to include new incentives to encourage the development of larger units. Also, the City offers streamlined review and incentives for developments within specific plan areas, including allowing up to 30 units per acre by right.

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CR-40 - Monitoring 91.220 and 91.230

Describe the standards and procedures used to monitor activities carried out in furtherance of the plan and used to ensure long-term compliance with requirements of the programs involved, including minority business outreach and the comprehensive planning requirements

Please note: No monitoring visits were conducted during the 2022-2023 program year.

The City follows monitoring procedures for subrecipients, which includes in-house review of quarterly progress reports and expenditures, and an annual on-site visit to some subrecipients to ensure compliance with federal regulations. The monitoring system encourages uniform reporting to achieve consistent information on beneficiaries. Technical assistance is provided when necessary.

Currently the City is working with all subrecipients of HUD funds by providing technical assistance training. The training includes reviewing HUD regulations on both the programmatic and financial reporting. The training is provided in both, group settings and one-on-one sessions.

Due to COVID-19, the City did not monitor the randomly selected rent restricted affordable units assisted with HOME, CDBG, and the former Redevelopment Agency Housing Set-Aside Funds, and in accordance with 24 CFR 92.504 (d):

- Annual audits for compliance with regulatory agreement affordability covenants; and
- On site visits, which include property inspections of randomly selected units assisted with HOME, CDBG, and former Redevelopment Agency Housing Set- Aside Funds.

Once the Local, State and Federal Government have safety measures in place with regards to the COVID-19 pandemic, the City will begin on-site monitoring.

In addition, the City encouraged minority and women business owned outreach in all federally assisted (CDBG and HOME) activity(ies) more than \$10,000. As part of the Notice Inviting Bid procedures, the City requires subrecipients undertaking improvements, reconstruction, or rehabilitation of community and private facilities, infrastructure projects, and affordable housing development to make a good faith effort to hire minority or women owned businesses and to require equal employment opportunity for all individuals and business concerns.

Citizen Participation Plan 91.105(d); 91.115(d)

Describe the efforts to provide citizens with reasonable notice and an opportunity to comment on performance reports.

The City's Citizen Participation Plan (CPP) provides that City make the CAPER for public review for fifteen days prior to submittal. The Public review started on August 31, 2023 and ended on September 15, 2023. No comments were received.

CR-45 - CDBG 91.520(c)

Specify the nature of, and reasons for, any changes in the jurisdiction's program objectives and indications of how the jurisdiction would change its programs as a result of its experiences.

Due to the COVID-19 Pandemic, many of the City's programs were negatively affected due to high construction costs and a decrease in work force labor in response to COVID-19 restrictions and social distancing as well as mass lay-offs or shutdowns of companies/businesses. For this reason, many of the City's programs had to adapt to the Centers for Disease Control and Prevention (CDC) guidelines which caused the restructuring of some of the programs' objectives to better fit the current conditions of the state. Despite these changes, the City feels confident with their program objectives and will continue to focus on the implementation process to ensure the objectives are being met in a timely manner. Additional training and follow-up will be provided to the sub-recipients.

Does this Jurisdiction have any open Brownfields Economic Development Initiative (BEDI) grants?

No

[BEDI grantees] Describe accomplishments and program outcomes during the last year.

CR-50 - HOME 91.520(d)

Include the results of on-site inspections of affordable rental housing assisted under the program to determine compliance with housing codes and other applicable regulations

Please list those projects that should have been inspected on-site this program year based upon the schedule in §92.504(d). Indicate which of these were inspected and a summary of issues that were detected during the inspection. For those that were not inspected, please indicate the reason and how you will remedy the situation.

Due to COVID-19 restrictions, no site inspections were conducted during the 2022-2023 program year. The City is in the process of setting a schedule for the City's Building and Safety Representative to inspect the HOME funding projects based on the PR-22 Report.

Provide an assessment of the jurisdiction's affirmative marketing actions for HOME units. 92.351(b)

In its Affordable Housing Agreements and DDAs, the City requires developers to adopt and implement affirmative marketing procedures and requirements in accordance with Section 92.351 of the HOME Regulations. Due to COVID-19, the City will provide additional time to allow the following housing projects: Huntington Plaza Apartments, Casa Bonita Apartments, and Mosaic Gardens at Huntington Park to submit their Annual Affirmative Marketing Analysis Report.

Refer to IDIS reports to describe the amount and use of program income for projects, including the number of projects and owner and tenant characteristics

During the 2022-2023 program year, the City did not receive program income.

Describe other actions taken to foster and maintain affordable housing. 91.220(k) (STATES ONLY: Including the coordination of LIHTC with the development of affordable housing). 91.320(j)

The City contracts with the Fair Housing Foundation (FHF) to provide outreach to tenants and landlords. The FHF actively supports and promotes freedom of residence through education, advocacy, and litigation, to ensure that all persons have the opportunity to secure safe and decent housing that they desire and can afford, without regard to their race, color, religion, gender, sexual orientation, national origin, familial status, marital status, disability, ancestry, age, source of income or other characteristics protected by laws. They offer workshops for tenants and landlords, one on one counseling, agency referrals and other related services.

CR-58 – Section 3

Identify the number of individuals assisted and the types of assistance provided.

Total Labor Hours	CDBG	HOME	ESG	HOPWA	HTF
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Table 14 – Total Labor Hours

Qualitative Efforts - Number of Activities by Program	CDBG	HOME	ESG	HOPWA	HTF
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Table 15 – Qualitative Efforts - Number of Activities by Program

Narrative

There was a total of 417 people assisted during the 2022 program year with CDBG funds.