

APPENDIX A – Tables and Charts

This document is a snapshot of material, location, and applications before solicitation. This list is fluid and is meant to be a tool in determining level of effort

Table 1: Building Locations

*Note: These facility locations represent the full portfolio of PFPA owned or leased facilities at the time of contract award and without regard to current and projected occupancy or the presence of electronic security systems requiring maintenance on the ISSC contract (more accurately represented in tables 2-13). This list is subject to change at an estimated rate of 5% per year based on leasing negotiations and tenant relocation requirements.

Facility	Location
Pentagon Reservation	Arlington, VA
Raven Rock Mountain Complex	Adams County, PA and Washington County, MD
Defense Health Headquarters (DHHQ)	Falls Church, VA
Crystal Gateway North	Arlington, VA
Founder's Square	Arlington, VA
Hoffman II	Alexandria, VA
Hybla Valley Office Building	Alexandria, VA
Mark Center	Alexandria, VA
Nash Street Building	Arlington, VA
NC 2 (James Polk Building)	Arlington, VA
NC 3 (Zachary Taylor)	Arlington, VA
One Liberty Center	Arlington, VA
Parkridge II	Reston, VA
Pentagon Motor Pool (Vornado (Cafritz) Bldg Area)	Arlington, VA
Skyline 6	Falls Church, VA
Suffolk Building	Falls Church, VA
Tech Road	Silver Spring, VA
US Court Of Appeals For The Armed Forces	Washington, DC
Wilson 1500 (A-M Building)	Arlington, VA
Patriot Park	Reston, VA
Meadows 1	Chantilly, VA
ARLIS Facility	College Park, MD
Clarendon 3100	Arlington, VA
Albermarle Point Building 4	Chantilly, VA

Alexandria Tech Center IV	Alexandria, VA
Ardmore Industrial Plaza II	Landover, MD
Capital Office Park	Greenbelt, MD
Century One (NC4)	Arlington, VA
Columbia Park	Landover, MD
Crystal Gateway 1	Arlington, VA
Crystal Gateway 2	Arlington, VA
Crystal Gateway 4	Arlington, VA
Crystal Mall 2	Arlington, VA
Crystal Park 3	Arlington, VA
Crystal Park 4	Arlington, VA
Crystal Park 5	Arlington, VA
Crystal Plaza 6	Arlington, VA
Crystal Square 2	Arlington, VA
Crystal Square 4	Arlington, VA
Crystal Square 5	Arlington, VA
Dulles West	Sterling, VA
Eads	Arlington, VA
Eisenhower Center III Office Building	Alexandria, VA
Eisenhower Industrial Center	Alexandria, VA
Ellipse At Westfield	Chantilly, VA
Fleet Distribution Center	Alexandria, VA
Franconia Warehouse	Springfield, VA
Gatehouse	Falls Church, VA
Gunston Commerce Center	Lorton, VA
Imp Building	Alexandria, VA
Industrial Warehouse	Springfield, VA
Interstate Plaza	Alexandria, VA
Lee Business Center	Chantilly, VA
Northpointe Office Building E	Sterling, VA
One Beltway Center	Alexandria, VA
Potomac Gateway North	Arlington, VA
Potomac Gateway South	Arlington, VA

Herndon II	Herndon, VA
Rosslyn Center	Arlington, VA
Sequoia Plaza II	Arlington, VA
Silver Spring Metro Center #1	Silver Spring, MD
Skyline 3	Falls Church, VA
Skyline 4	Falls Church, VA
Transpointe Building	Washington, DC
USACE Depot (7)	Hyattsville, MD
Warren Building	McLean, VA
Wilson 1101 (Gannett Foundation Building)	Arlington, VA
Wilson 1501	Arlington, VA
Wilson 1515	Arlington, VA
Wilson 1525	Arlington, VA
Wilson 1555	Arlington, VA
Xerox Warehouse	Alexandria, VA
DCMA Manassas	Manassas, VA
Washington Boulevard	Arlington, VA
General Washington Warehouse	Alexandria, VA
Lockport Warehouse (MDA Lorton)	Lorton, VA
National Press Building	District of Columbia
One Beltway Center	Alexandria, VA
Walker Lane	Alexandria, VA

Table 2: Network Services

Service	Version	Notes
Windows Server Update Services (WSUS)	3.2.7600.226	Windows Patches for Workstations and Servers; 2016
Windows Deployment Services (WDS)	6.1.7600.16385	Windows Workstation Imaging; 2016
Domain Name System (DNS) Windows 2008 R2	6.0.6002.18005	Authoritative for zones lsb.pfpa.mil, SENTRYnet
Network Time Protocol (NTP)	N/A	NTP running on two (2) Endrun Technologies Sonoma N12 Appliances 1 - a Stratum 1 Time Source, 1 - a Stratum 2 Time source

Microsoft System Center Operations Manager 2012 R2 (SCOM)	7.1.10226.0	Managing all PFPA Servers
Microsoft System Center Configuration Manager 2012 R2 (SCCM)	5.0.7958.1000	Used for 3 rd party patching i.e. Java, Adobe. Updated to 2016
Host Based Security System (HBSS)	5.1	Upgrade to 5.1 in progress, Host security for Windows Servers/Workstations
Assured Compliance Assessment Solution (ACAS)	Security Center 4.8.1 Nessus Scanner 5.2.7	
Online Certificate Status Protocol (OCSP)	2016	
Microsoft Active Directory	2016	
Microsoft SQL Server	2014, 2016	
vCenter	6.7	
SMTP Relay Server	2016	
MDT	2016	

Table 3: System Names and Types

	System Name / Vendor	System Type / Purpose
1	AMAG Symmetry	PACS/IDS/Duress
2	Avigilon	Visual Surveillance
3	Boon Edam Turnstiles	Turnstiles
4	Bosch BVMS	Visual Surveillance
5	Briefcam	Visual Surveillance Analytic Tools
6	CNL IPSecurity Center	Physical Security Information Management
7	DMP IDS	IDS/Duress
8	DSI Turnstiles	Turnstiles
9	Edge360 Raven View3D	Real-Time 3D Visualization map
10	ELSAG LPR	License Plate Recognition
11	ESRI ArcGIS	Enterprise Geographic Information System
12	FutureFibreTech Aura, Secure Fence	Perimeter Intrusion Detection
13	GateKeeper IVUS	Under Vehicle Surveillance System
14	Genetec AutoVu	License Plate Recognition
15	Gunnebo Turnstiles	Turnstiles
16	Innometriks Enterprise Biometrics	Enterprise Multimodal Biometrics system for PACS
17	Intellisoft ICEMobile	PMP Handheld system
18	Intellisoft ICEWARE Suite Privilege Management Program (PMP)	Identity Credential Access Management (ICAM), Access Management Portal (AMP), Authorized Signer Portal

19	InterAct CAD/RMS	Computer Aided Dispatch/Records Management System
20	Lenel OnGuard	PACS/IDS/Duress
21	Locks and Door Hardware	Access Control Component
22	Netvision (mobile trailer)	Visual Surveillance
23	Proximex Surveillint	Physical Security Information Management
24	SightLogix Thermal/Analytics	Visual Surveillance
25	Silvus Streamcaster	MIMO Radio
26	SoftwareHouse CCURE	PACS/IDS/Duress
27	Standalone VIP Residence Systems	IDS/Visual Surveillance/PSIM
28	TBS Biometrics	Enterprise Multimodal Biometrics system for PACS
29	Technology Industries EntryPoint	Visitor Management System and PIV/CAC card enrollment
30	Zenitel Alphacom, Stentofon	Emergency Call Box

Table 4: PACS/IDS Chart

PACS/IDS	
Software	
Pentagon	
PACS Application	AMAG Symmetry V8 Client Workstation Symmetry V9 (8.1 200702 9.3.42 51003)
Server Operating System	Windows 10
Client Operating System	Windows 10
Database	Microsoft SQL Server 2014 (AMAG v8) Microsoft SQL Server 2016 (AMAG v9)
Leased Facility Outer Buildings	
PACS Application	AMAG Symmetry V8 Client Workstation
Server Operating System	Windows 10
Client Operating System	Windows 10
Database	Microsoft SQL Server 2016
Mark Center	
PACS Application	Software House CCURE9000 v 2.7 SP4
Server Operating System	Windows 10
Client Operating System	Windows 10
Database	Microsoft SQL Server 2016
FutureFibreTech (FFT)	FOSS/CAMS Enterprise Edition 4.4
Defense Health Headquarters (DHHQ)	
PACS Application	Software House CCURE9000 v 2.7 SP4
Windows Server	2012R2 2016

Database	Microsoft SQL Server 2014 & 2016
Raven Rock Mountain Complex (RRMC)	
PACS Application	Software House CCURE9000 v 2.7 SP4
Windows Server	2012R2 2016
Database	Microsoft SQL Server 2014 & 2016
Parkridge 2	
PACS Application	Lenel OnGuard Version 8.0
Software	DMP System Link

Hardware				
Pentagon				
Item	Quantity	Manufacturer	Product	Model
Panels	1056	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE
Panels	4	AMAG	Symmetry M2150 EdgeNetwork 50K HSE DBU BOARD	EN-DBU-50K-HSE
Panels	9	AMAG	Symmetry M2150 EdgeNetwork 100K HSE DBU BOARD	EN-DBU-100K-HSE
Panels	1167	AMAG	Symmetry M2150 EdgeNetwork 999K HSE DBU BOARD	EN-DBU-999K-HSE
Card Readers	438	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Card Readers	5406	HID	HID Global R-40 no keypad	Various PIVClass
IDS Key Pads	94	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Keypad	844-COMBI-631-N
IDS Key Pads	2223	AMAG	Arming/Disarming Reader - Javelin 884 Prox + Keypad	884-KP-V2
Arm/Disarm Key Pads	310	AMAG	AMAG 620 series Magstripe reader	620
Visual Intercom	677 Master/ 316 Door	Aiphone	Video Door Station	Various

Encrypted Wireless Receiver/Transmitter	6 Trans / 2 Receive	Kantech	Receiver/ Transmitters (FOBs)	P84WLS P700WLS
Wireless Duress (MEF)	3	SENSTAR STELLAR	Transmitter	03RM
Fenceline IDS	1	FFT	AURA AI-2 Two Channel Hardware	A702
Fenceline IDS	1	FFT	Aura End Element	A049
Fenceline IDS	1	FFT	12-Port Rack Mount Fiber Optic Patch Panel	A056
Fenceline IDS	4150	FFT	12-Fiber SM Tight Buffered Sensor Cable	P012-2
Fenceline IDS	1	FFT	E2000 TO SCA Patch Cord, Simplex, 3M	A076-5
Fenceline IDS	1	FFT	24-Fiber Outdoor Closure	P051
Fenceline IDS	3000	FFT	Ameristar Wire Clip	X001
Fenceline IDS	1	FFT	AURA AI-2 10km (2 x 5km CHANNELS)	P702-2x5
Fenceline IDS	1	FFT	Aura End Element	A049
Fenceline IDS	1	FFT	12-Port Rack Mount Fiber Optic Patch Panel	A056
Fenceline IDS	1	FFT	Rack Mount KVM, 17" LCD, VGA, USB, 1U	P093-3
Fenceline IDS	2500	FFT	12-Fiber SM Tight Buffered Sensor Cable	P012-2
Fenceline IDS	2	FFT	E2000 TO SCA Patch Cord, Simplex, 3M	A076-5
Fenceline IDS	1	FFT	24-Fiber Outdoor Closure	P051
Fenceline IDS	1100	FFT	Ameristar Wire Clip	A100-2
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	Yes			
Mark Center				
Item	Quantity	Manufacturer	Product	Model

Panels	676	Software House	iSTAR Edge 2-Door Control Panel	ESTAR002
Card Readers	700	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK0004M, 921NHRTEK0004K, 921NHRTEK00033E, 920NHRTEK00038, 920NHRTEK000Q6
Arm/Disarm Key Pads	345	Software House	Arming/Disarming Reader - Contactless Smart Card RM Reader w/ Keypad and LCD	RM2L-4000
Visual Intercom	99 door / 119 master	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-AX-DV
Fenceline Intrusion Detection	1	Future Fibre Tech	AURA AI-2 10km (2 x 5km CHANNELS)	P702-2x5
Fenceline Intrusion Detection	2	Future Fibre Tech	Aura End Element	A049
Fenceline Intrusion Detection	10,000+	Future Fibre Tech	12-Fiber SM Tight Buffered Sensor Cable	P012-2
Fenceline Intrusion Detection	1	Future Fibre Tech	12-Port Rack Mount Fiber Optic Patch Panel	A056
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	Yes			
Raven Rock Mountain Complex				
Item	Quantity	Manufacturer	Product	Model
Panels (Edge)	19	Software House	iSTAR Edge	ESTAR004
Panels (Ultra 8)	47	Software House	iStar Ultra GCM & ACM	USTAR008
Panels (Ultra 16)	23	Software House	iStar Ultra GCM & 2 ACMs	USTAR016
Card Readers	177	HID	PIV Reader no keypad	920NHRTEK00038
Key Pad	149	HID	Piv Reader w/keypad	921NHRTEK0004K
Perimeter Intrusion Detection	1200 linear ft	Integrated Security Corps	Infinity 2000	
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			

Yes	Yes			
DHHQ				
Item	Quantity	Manufacturer	Product	Model
Panels (Edge)	171	Software House	iSTAR Edge 2-Door Control Panel	ESTAR002
Panels (Ultra 16)	14	Software House	iStar Ultra GCM & 2 ACMs	USTAR016
Card Readers	179	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pad Reader	165	HID	Piv Reader w/keypad	921NHRTEK0004K
Arm/Disarm Key Pads	34	Software House	Arming/Disarming Reader - Contactless Smart Card RM Reader w/ Keypad and LCD	RM2L-4000
Visual Intercom	5 door / 5 master	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	Yes			

James Polk Building				
Item	Quantity	Manufacturer	Product	Model
Panels	42	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU Board Symmetry M2150 4 Door Controllers Symmetry M2150 Input/Output Modules	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	111	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M and other Various HID Readers

Key Pads	57	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N and various AMAG readers
Visual Intercom	11 Master, 14 Door	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	No			
Zachary Taylor Building				
Item	Quantity	Manufacturer	Product	Model
Panels	42	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU Board Symmetry M2150 4 Door Controllers Symmetry M2150 Input/Output Modules	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	155	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M and other Various HID Readers
Key Pads	28	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N and various AMAG readers
Visual Intercom	11 Masters, 9 Door	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	No			
Crystal Gateway North				
Item	Quantity	Manufacturer	Product	Model
Panels	15	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU Board Symmetry M2150 4 Door Controllers Symmetry M2150 Input/Output Modules	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4

Card Readers	34	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M and other Various HID Readers
Key Pads	25	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N and other Various AMAG Readers
Visual Intercom	10 Master, 13 Door	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	Yes			
Nash Building				
Item	Quantity	Manufacturer	Product	Model
Panels	0	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE
Card Readers	0	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pads	0	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
Visual Intercom	0	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	No			
One Liberty Center				
Item	Quantity	Manufacturer	Product	Model
Panels	28	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU Board Symmetry M2150 4 Door Controllers Symmetry M2150 Input/Output Modules	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	116	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M and other Various HID Readers

Key Pads	20	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N and other Various AMAG Readers
Visual Intercom	9 Master, 4 Door	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	Yes			
Skyline 6				
Item	Quantity	Manufacturer	Product	Model
Panels	9	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU Board Symmetry M2150 4 Door Controllers Symmetry M2150 Input/Output Modules	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	27	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M and other Various HID Readers
Key Pad	12	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N and other Various AMAG Readers
Visual Intercom	15 Master, 11 Door	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	No			
Suffolk Building				
Item	Quantity	Manufacturer	Product	Model
Panels	46	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU Board Symmetry M2150 4 Door Controllers Symmetry M2150 Input/Output Modules	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4

Card Readers	131	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M and other Various HID Readers
Key Pads	58	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N and other Various AMAG Readers
Visual Intercom	14 Master, 20 Door	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	Yes			
Tech Road				
Item	Quantity	Manufacturer	Product	Model
Panels	6	AMAG	One (1) Symmetry M2150 EdgeNetwork 20K HSE DBU Board Two (2) Symmetry M2150 4 Door Controllers Four (4) Symmetry M2150 Input/Output Modules	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	14	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	Varies
Key Pads	8	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	Varies
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	No			
U.S. Court of Appeals for the Armed Forces				
Item	Quantity	Manufacturer	Product	Model
Panels	5	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	5	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M

Key Pads	2	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
Visual Intercom	2	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-AX-DV
System Appurtenances				
IDS components (BMS's, HSS's, PIR's, glass break)	Duress components (switches, triggers, PAT-lites)			
Yes	Yes			
1500 Wilson Boulevard				
Item	Quantity	Manufacturer	Product	Model
Panels	5	AMAG	One (1) Symmetry M2150 EdgeNetwork 20K HSE DBU Board Two (2) Symmetry M2150 4 Door Controllers Four (4) Symmetry M2150 Input/Output Modules	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	9	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	Varies
Key Pads	4	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	Varies
Visual Intercom	4	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	Yes			
1515 Wilson Boulevard				
Item	Quantity	Manufacturer	Product	Model
Panels	3	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	6	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	Various

Key Pads	4	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	Varies
Visual Intercom	2	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	No			
1555 Wilson Boulevard				
Item	Quantity	Manufacturer	Product	Model
Panels	1	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	2	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pads	1	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
Visual Intercom	1	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	No			
1101 Wilson Boulevard				
Item	Quantity	Manufacturer	Product	Model
Panels	2	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	4	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pads	2	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
Visual Intercom	2	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR

System Appurtenances				
IDS components (BMS's, HSS's, PIR's)		Duress components (switches, triggers, PAT-lites)		
Yes		No		
Warren Building				
Item	Quantity	Manufacturer	Product	Model
Panels	2	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	4	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	Varies
Key Pads	2	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	Varies
Visual Intercom	2	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)		Duress components (switches, triggers, PAT-lites)		
Yes		No		
Crystal Gateway 1				
Item	Quantity	Manufacturer	Product	Model
Panels	23	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	43	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pads	37	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
Visual Intercom	27	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)		Duress components (switches, triggers, PAT-lites)		
Yes		No		
Crystal Gateway 2				
Item	Quantity	Manufacturer	Product	Model

Panels	7	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	13	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pads	9	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
Visual Intercom	6	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	Yes			
Crystal Mall 2				
Item	Quantity	Manufacturer	Product	Model
Panels	3	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	6	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pads	2	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, door releases, PAT-lites)			
Yes	No			
Crystal Park 3				
Item	Quantity	Manufacturer	Product	Model
Panels	1	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	4	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pads	2	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
System Appurtenances				

IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	No			
Crystal Square 2				
Item	Quantity	Manufacturer	Product	Model
Panels	15	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	30	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pads	13	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
Visual Intercom	6	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, door releases, PAT-lites)			
Yes	No			
Crystal Square 4				
Item	Quantity	Manufacturer	Product	Model
Panels	6	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	12	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pads	11	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
Visual Intercom	8	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	No			
Crystal Square 5				
Item	Quantity	Manufacturer	Product	Model

Panels	8	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	15	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pads	6	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
Visual Intercom	20	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	No			
DLA Lorton				
Item	Quantity	Manufacturer	Product	Model
Panels	4	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	13	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pads	7	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
Visual Intercom	12	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	No			
Interstate Plaza				
Item	Quantity	Manufacturer	Product	Model
Panels	2	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	2	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M

Key Pads	2	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	No			
Potomac Gateway North				
Item	Quantity	Manufacturer	Product	Model
Panels	5	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	7	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pads	7	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	No			
Potomac Gateway South				
Item	Quantity	Manufacturer	Product	Model
Panels	2	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4
Card Readers	4	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pad	4	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	No			
Rosslyn Metro Center				
Item	Quantity	Manufacturer	Product	Model
Panels	1	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE M2150-4DC-F-HSE M2150-AC8/4

Card Readers	5	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pads	3	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
Visual Intercom	14	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, door releases, PAT-lites)			
Yes	No			
Parkridge II (currently Unknown)				
Item	Quantity	Manufacturer	Product	Model
Panels	2	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE
Card Readers	4	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pads	1	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
Visual Intercom	1	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, door releases, PAT-lites)			
Yes	No			
Meadows I (currently Unknown)				
Item	Quantity	Manufacturer	Product	Model
Panels	2	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE
Card Readers	4	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pads	1	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N

Visual Intercom	1	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, door releases, PAT-lites)			
Yes	No			
ARLIS – College Park (currently Unknown)				
Item	Quantity	Manufacturer	Product	Model
Panels	2	AMAG	Symmetry M2150 EdgeNetwork 20K HSE DBU BOARD	EN-DBU-20K-HSE
Card Readers	4	HID	Entry Reader - HID Global RK-40 Card Reader with Keypad	921NHRTEK004M
Key Pads	1	AMAG	Arming/Disarming Reader - Symmetry 844 Smartcard + Magstripe	844-COMBI-631-N
Visual Intercom	1	Aiphone	Aiphone Master Station and Video Intercom Door Station	KBM-3RD KBM-DAR
System Appurtenances				
IDS components (BMS's, HSS's, PIR's)	Duress components (switches, triggers, PAT-lites)			
Yes	No			
Workstations				
One Liberty Center				
Item	Quantity	Manufacturer		Product
AMAG Workstation	1	Dell		Precision
U.S. Court of Appeals for the Armed Forces				
Item	Quantity	Manufacturer		Product
AMAG Workstation	1	Dell		Precision
Defense Health Headquarters				
Item	Quantity	Manufacturer		Product
CCURE Workstations	2	Dell		Precision
Mark Center				
Item	Quantity	Manufacturer		Product
CCURE Workstation	16	Dell		Precision

RRMC			
Item	Quantity	Manufacturer	Product
CCURE Workstation	14	Dell	210AAXE

Table 5: License Plate Reader Specifications

License Plate Reader (LPR)					
Software					
Server Application			ELSAG EOC Server 5.0		
Server Operating System			Windows Server 2008 R2		
			.NET Framework 4.5		
			Internet Information Services (IIS) 6		
Database			SQL Server 2008 R2		
Hypervisor			vmWare		
Client Application			ELSAG MPH-900 V6.8		
Client Operating System			Windows 7		
			.NET 4.0		
Hardware					
Pentagon VACPS					
Item	Quantity	Manufacturer	Product	Model	Part #
River	2	ELSAG	Camera	AD3-FH Hi-Res	
Mall	4	ELSAG	Camera	AD3-FH Hi-Res	
North Rotary	4	ELSAG	Camera	AD3-FH Hi-Res	
Secure Access Lane	6	ELSAG	Camera	AD3-FH Hi-Res	
Boundary Channel Drive	4	ELSAG	Camera	AD3-FH Hi-Res	
H&RP Connector Road	2	ELSAG	Camera	AD3-FH Hi-Res	
River Server					
Item	Quantity	Manufacturer	Product	Model	Part #
Dell	1				
Workstations					
Pentagon					
Item	Quantity	Manufacturer	Product	Model	Part #
Toughbook	6	Toughbook	Laptop	CF-31	
Active Integrations					
ELSAG			Integration to Gatekeeper UVSS		
			Microsoft SOL Server database and storage		

	Virginia State Police Database
Operational Information	
Total Users Supported (Approximate)	25 users between Pentagon
System Status	Production

Table 6: Under Vehicle Surveillance System (UVSS) Specifications

Under Vehicle Surveillance System (UVSS)					
Software					
Server Application			Windows Server 2008R2		
Client Application			Windows 7		
Server Operating System			Windows 7		
Client Operating System			Windows 7		
Database			SQL Server 2008 R2 – records are tied to the ELSAG database files.		
Hardware					
Locations					
Item	Quantity	Manufacturer	Product	Model	Part #
Mall	2	DELL	Static UVSS	GKH – 2011	Dual-View
River	1	DELL	Static UVSS	GKH – 2011	Dual-View
NR&F	2	DELL	Static UVSS	GKH – 2011	Dual-View
HRP	1	DELL	Static UVSS	GKH – 2011	Dual-View
BCD	2	DELL	Static UVSS	GKH – 2011	Dual-View
SAL	3	DELL	Static UVSS	GKH – 2011	Dual-View
Workstations					
Item	Quantity	Manufacturer	Product	Model	Part #
Gatekeeper workstation client	9 (above locations)	DELL	19” touchscreen	GKH-2011 Touchscreen	
RRMC					
Item	Quantity	Manufacturer	Product	Model	Part #
Workstation	2	DELL	19” touchscreen	GKH-2011 Touchscreen	
Active Integrations					
ELSAG			Pentagon Access Control and Vehicle Screening Services		
Operational Information					

Total Users Supported (Approximate)	20 users between Pentagon and RRMC
System Status	Production

Table 7: Physical Security Information Management (PSIM) Specifications

Previous Physical Security Information Management (PSIM) (Phased out 2021)					
Software					
Server Application			Proximex Surveillint v8.0.1		
Server Application			ESRI ArcGIS Server Enterprise Standard		
Server Application			Veeam Backup & Replication Standard for VMware		
Server Operating System			Windows Server 2012		
Client Operating System			Windows 7		
Database			Microsoft SQL Server 2012		
Hypervisor			vmWare vSphere 5		
Hardware					
Pentagon Server Room 1					
Item	Quantity	Manufacturer	Product	Model	Part #
Chassis	1	HP	BladeSystem	C7000	714684-S21
Blade	3	HP	Proliant	BLC460c	745917-S01
Storage	1	HP	MSA	2040 SFF	C8R15SB
Storage	1	HP	MSA	2040 LFF	C8R18SB
Storage	12	HP	MSA	1.2 TB SAS	E7W47A
Storage	11	HP	MSA	4 TB SAS	C8R26A
Backup	1	HP	MSA	4048	AK381A
Backup	48	HP	LTO6 6.25 TB	Ultrium	C7976A
Pentagon Server Room 2					
Item	Quantity	Manufacturer	Product	Model	Part #
Chassis	1	HP	BladeSystem	C7000	714684-S21
Blade	3	HP	Proliant	BLC460c	745917-S01
Storage	1	HP	MSA	2040 SFF	C8R15SB
Storage	1	HP	MSA	2040 LFF	C8R18SB
Storage	12	HP	MSA	1.2 TB SAS	E7W47A
Storage	11	HP	MSA	4 TB SAS	C8R26A
Workstations					
Pentagon					
Item	Quantity	Manufacturer	Product	Model	Part #
Workstation	13	Dell	Precision	T1700 SFF	H5T6942
Monitor	20	Dell		P2214H	
Mark Center					
Item	Quantity	Manufacturer	Product	Model	Part #

Workstation	7	Dell	Precision	T1700 SFF	H5T6942
Monitor	10	Dell		P2214H	
In Storage					
Item	Quantity	Manufacturer	Product	Model	Part #
Monitor	30	Dell		P2214H	
Active Integrations					
AMAG v7.0.1			Pentagon access control and intrusion detection		
SoftwareHouse CCURE v2.2 and v1.93			Mark Center and DHHQ access control and intrusion detection. Sub-integration to Mark Center FibreFence Technology fence line intrusion detection system.		
Bosch VMS v 5.5, 4.5			Pentagon visual surveillance. Sub-integration to SightLogix perimeter intrusion detection system.		
Bosch VMS v 5.5, 4.5, 3.2			Mark Center and DHHQ visual surveillance		
Activu v 5.1			Pentagon Operations Center video wall management		
ESRI ArcGIS Enterpriser Server Standard			Regional aerial imagery and building interior geospatial maps		
Operational Information					
Total Users Supported (Approximate)			50 users between Pentagon and Mark Center		
System Status			The system is currently in pre-production testing in the incumbent's facility. The system is scheduled to be in production in December 2015.		
Licensing and Support Agreements					
Licensing			Amount of licenses		Expiration of license
User Licensing			20 simultaneous users		TBD
Sensor Licensing			~46,500		TBD
Veeam 24/7 Uplift Technical Support			1		Jan 2017
ArcGIS for Server			1		Mar 2017
ArcGIS for Client			1		Mar 2017
U.S. Federal Production Support/Subscription for VMware vSphere 5 Enterprise Plus for 1 processor for 1 year			12		Mar 2017
U..S. Federal Produc tion Support/Subscription for vCenter Server 5 Standard for vSphere 5 for 1 Year			2		Mar 2017
U.S. Federal Production Support/Subscription for VMware vCenter for Site Recovery Manager 5 Standard (25 VM Pack) for 1 Year			1		Mar 2017
New PSIM – CNL IPSecurity Center					
Software					
Software Type	Software Vendor		Software Name (Required)		
Server Application	Microsoft Corporation		Active Directory Authentication Library for SQL Server		

Server Application	Arcserve (USA), LLC	Arcserve RHA Control Service
Server Application	Arcserve (USA), LLC	Arcserve RHA Engine
Server Application	Belarc, Inc.	BelMonitor Client
Server Application	Bosch Sicherheitssysteme GmbH	Bosch Video Management System
Server Application	Edge360	Edge360 3DViewer - IPSCAddon
Server Application	Edge360	Edge360 Edge3D Server
Server Application	Future Fibre Technologies	FFT CAMS 3 SDK (32-bit)
Server Application	Gibraltar Software	Gibraltar Loupe
Server Application	Microsoft Corporation	Integration Services
Server Application	CNL Software	IPSecurityCenter
Server Application	CNL Software	IPSecurityCenter
Server Application	CNL Software	IPSecurityCenter Connection Manager (AmagV8)
Server Application	CNL Software	IPSecurityCenter Connection Manager (AmagV9)
Server Application	CNL Software	IPSecurityCenter Connection Manager (Briefcam)
Server Application	CNL Software	IPSecurityCenter Connection Manager (BVMS)
Server Application	CNL Software	IPSecurityCenter Connection Manager (BVMS2)
Server Application	CNL Software	IPSecurityCenter Connection Manager (BVMS3)
Server Application	CNL Software	IPSecurityCenter Connection Manager (DHHQCCure)
Server Application	CNL Software	IPSecurityCenter Connection Manager (FFT)
Server Application	CNL Software	IPSecurityCenter Connection Manager (FFT)
Server Application	CNL Software	IPSecurityCenter Connection Manager (MKCCure)
Server Application	CNL Software	IPSecurityCenter Connection Manager (Stentofon)
Application	CNL Software	IPSecurityCenter Windows Modern Client
Server Application	Microsoft Corporation	Local Administrator Password Solution
Server Application	Microsoft Corporation	Microsoft Analysis Services OLE DB Provider
Server Application	Microsoft Corporation	Microsoft Analysis Services OLE DB Provider
Server Application	Microsoft Corporation	Microsoft Help Viewer 2.3
Server Application	Microsoft Corporation	Microsoft ODBC Driver 17 for SQL Server
Server Application	Microsoft Corporation	Microsoft OLE DB Driver for SQL Server
Database	Microsoft Corporation	Microsoft SQL Server 2012 Native Client
Database	Microsoft Corporation	Microsoft SQL Server 2016 Management Objects
Database	Microsoft Corporation	Microsoft SQL Server 2016 Management Objects (x64)
Database	Microsoft Corporation	Microsoft SQL Server 2016 T-SQL ScriptDom
Database	Microsoft Corporation	Microsoft SQL Server 2016 T-SQL ScriptDom
Database	Microsoft Corporation	Microsoft SQL Server Data-Tier Application Framework (x64)
Database	Microsoft Corporation	Microsoft SQL Server Data-Tier Application Framework (x86)
Server Application	Microsoft Corporation	Microsoft SQL Server Management Studio - 18.1
Server Application	Microsoft Corporation	Microsoft System CLR Types for SQL Server 2012

Server Application	Microsoft Corporation	Microsoft System CLR Types for SQL Server 2016
Database	Microsoft Corporation	Microsoft System CLR Types for SQL Server 2016
Server Application	Microsoft Corporation	Microsoft Visual C++ 2008 Redistributable - x64 9.0.30729.6161
Server Application	Microsoft Corporation	Microsoft Visual C++ 2008 Redistributable - x86 9.0.30729.4148
Server Application	Microsoft Corporation	Microsoft Visual C++ 2008 Redistributable - x86 9.0.30729.6161
Server Application	Microsoft Corporation	Microsoft Visual C++ 2013 Redistributable (x86) - 12.0.30501
Server Application	Microsoft Corporation	Microsoft Visual C++ 2013 x86 Additional Runtime - 12.0.21005
Server Application	Microsoft Corporation	Microsoft Visual C++ 2013 x86 Minimum Runtime - 12.0.21005
Server Application	Microsoft Corporation	Microsoft Visual C++ 2017 Redistributable (x64) - 14.16.27029
Server Application	Microsoft Corporation	Microsoft Visual C++ 2017 Redistributable (x86) - 14.16.27029
Server Application	Microsoft Corporation	Microsoft Visual C++ 2017 X64 Additional Runtime - 14.16.27024
Server Application	Microsoft Corporation	Microsoft Visual C++ 2017 X64 Minimum Runtime - 14.16.27024
Server Application	Microsoft Corporation	Microsoft Visual C++ 2017 X86 Additional Runtime - 14.16.27024
Server Application	Microsoft Corporation	Microsoft Visual C++ 2017 X86 Minimum Runtime - 14.16.27024
Server Application	Microsoft Corporation	Microsoft Visual Studio Tools for Applications 2017
Server Application	Microsoft Corporation	Microsoft Visual Studio Tools for Applications 2017 x64 Hosting Support
Server Application	Microsoft Corporation	Microsoft Visual Studio Tools for Applications 2017 x86 Hosting Support
Server Application	Data Management Solutions Ltd	Mqueue Viewer
Security Application	SPAWAR Systems Center Atlantic	SCAP Compliance Checker 5.2.1
Database	Microsoft Corporation	SQL Server Management Studio
Database	Microsoft Corporation	SQL Server Management Studio for Analysis Services
Database	Microsoft Corporation	SQL Server Management Studio for Reporting Services
Database	Microsoft Corporation	SSMS Post Install Tasks
Server Application	Microsoft Corporation	Visual Studio 2017 Isolated Shell for SSMS
Server Application	VMware, Inc.	VMware Tools
Server Application	VMware, Inc.	VMware Tools
Hardware		
Location: Pentagon and Mark Center		

Item	Qty.	Manufacturer	Model	Description
Server	8	HPE	875938-B21	HPE BL460c Gen10 CTO TAA Blade
Server	8	HPE	875950-L21	HPE BL460c Gen10 Xeon-G 6148 FIO Kit
Server	8	HPE	875950-B21	HPE BL460c Gen10 Xeon-G 6148 Kit
Server	8	HPE	875950-B21#0D1	Factory integrated
Server	64	HPE	815101-B21	HPE 64GB 4Rx4 PC4-2666V-L Smart Kit
Server	64	HPE	815101-B21#0D1	Factory integrated
Server	8	HPE	700763-B21	HPE FlexFabric 20Gb 2P 650FLB Adptr
Server	8	HPE	700763-B21#0D1	Factory integrated
Server	8	HPE	718203-B21	HPE LPe1605 16Gb FC HBA
Server	8	HPE	718203-B21#0D1	Factory integrated
Server	8	HPE	BD505A	HPE iLO Adv 1-svr Lic 3yr Support
Server	8	HPE	BD505A#0D1	Factory integrated
Server	8	HPE	741279-B21	HPE 8GB Dual microSD USB Flash Drive
Server	8	HPE	741279-B21#0D1	Factory integrated
Server	1	HPE	H1K93A3	HPE 3Y Proactive Care 24x7 wDMR Service
Server	8	HPE	H1K93A3#R2M	HPE iLO Advanced Non Blade - 3yr Support
Server	8	HPE	H1K93A3#W4C	HPE BL460c Gen10 Support
Server	1	HPE	HA113A1	HPE Installation Service
Server	8	HPE	HA113A1#5CY	HPE ProLiant Blade Server Install SVC
Server	2	HPE	HA113A1#5BW	HPE ProLiant Add On Options Install SVC
Server	16	HPE	R0E77AAE	Veeam BUR Ent+ 1yr 8x5 E-LTU
Server	48	HPE	R0E83AAE	Veeam BUR Ent+ 1yr 24x7 Upg Support
Storage	1	HPE	H0JD4A3	HPE 3Y Service Credits 10 Per Yr SVC
Storage	1	HPE	H0JD4A3#WFM	HPE 3Y Service Credits Qty 30 SVC
Storage	2	HPE	716197-B21	HPE Ext 2.0m MiniSAS HD-MiniSAS HD Cbl
Storage	2	HPE	H6Z10A	HPE 3PAR 8000 2-pt 10Gb iSCSI/FCoE Adptr
Storage	8	HPE	M0T66B	HPE 3PAR 8000 3.84TB+SW SFF FE SSD
Storage	1	HPE	E7Y71A	HPE 3PAR 8000 SFF(2.5in) Fld Int Dr Encl
Storage	16	HPE	M0T66B	HPE 3PAR 8000 3.84TB+SW SFF FE SSD
Storage	1	HPE	HA114A1	HPE Installation and Startup Service
Storage	1	HPE	HA114A1#5XZ	HPE Startup 3PAR 8000 Fld Int Dr Enc SVC
Storage	1	HPE	H1K92A3	HPE 3Y Proactive Care 24x7 Service
Storage	2	HPE	H1K92A3#699	For HPE Internal Entitlement Purposes
Storage	24	HPE	H1K92A3#X8M	HPE 3PAR 8000 3.84TB+SW SFF FE SSD Supp
Storage	1	HPE	H1K92A3#YTJ	HPE 3PAR 8000 Drive Encl Support
Storage	2	HPE	H1K92A3#YTN	HPE 3PAR 8000 2/4pt 10Gb Adptr Supp
Storage	1	HPE	HA124A1	HPE Technical Installation Startup SVC

Storage	2	HPE	HA124A1#5Y0	HPE Startup 3PAR 8K Fld Drv-Drv Enc SVC	
Storage	2	HPE	HA124A1#5XY	HPE Startup 3PAR 8000 Adapter SVC	
Storage	1	HPE	H1SR4AS	HPE Service Credit	
Storage	24	HPE	H0JD6A1	HPE 3PAR SSD Extended Replacement SVC	
Active Integrations					
System		Integration			
AMAG v8 & v9		Driver: CNL.IPSecurityCenter.Driver.AMAG.Version.3.11.8.3.ipscdriver			
CCure 9000		Driver: CNL.IPSecurityCenter.Driver.CCURE,Version.3.0.12.64718.ipscdriver			
BVMS		Driver: CNL.IPSecurityCenter.Driver.Bosch.BVMS.Version.3.9.2.63348.ipscdriver SDK (Cameo)			
SightLogix		Driver: CNL.IPSecurityCenter.Driver.Bosch.BVMS.Version.3.9.2.63348.ipscdriver SDK (Cameo)			
BriefCam		Driver: CNL.IPSecurityCenter.Driver.BRIEFCAM,Version.2.5.0.63379.ipscdriver			
FFT (SecureFence)		Driver: CNL.IPSecurityCenter.Driver.Fft.Cams3.Version.[Build Version].ipscdriver SDK			
FFT (Aura AI)		Driver: CNL.IPSecurityCenter.Driver.Fft.Cams3.Version.[Build Version].ipscdriver SDK			
IceWare (PMP)		Direct ODBC connection (API) / under development			
InterAct CAD		Uses TCP/IP and an API to communicate with the CAD Web Service			
ESRI ArGIS/Edge360		Direct Connection between 2D and 3D map Server and Application Main Server			
Stentofon		Uses TCP/IP to connect to servers via SLL (Simple Link Layer) protocol			
Workstations					
Pentagon/Mark Center/RRMC/Suffolk					
Item	Quantity	Manufacturer	Product	Model	Part #
Workstation	73	Dell	Precision	3630 Tower CTO BASE	210-AOZN
Monitor	160	Dell	UltraSharp	Various	various
Joystick	40	Axis	Surveillance Joystick	T8311	
Operational Information					
Total Users Supported (Approximate)			40 concurrent users between Pentagon, Mark Center, and RRMC		
System Status			The system is currently in pre-production testing in the incumbent’s facility. The system is scheduled to be in production in Q4 2020.		

Licensing and Support Agreements		
Licensing	Amount of licenses	Expiration of license
IPSC Server License	2 Core Server 2 Core Failover server 4 Video Export server	SSA through Dec 2021
IPSC User License	Unlimited	SSA through Dec 2021
IPSC Sensor License	Unlimited	SSA through Dec 2021
IPSC Subsystem Integration License	AMAG, SW House CCURE 9000, FFT Secure Fence and Aura Ai, BVMS, PMP, CAD, RavenView 3D Mapping, GIS Mapping	SSA through Dec 2021
ArcGIS for Server License	1 Enterprise Standard	SSA through Dec 2021
ArcGIS for Client License	1 Desktop Standard Single use	SSA through Dec 2021
Edge360 Server License	1 Server (License perpetual as long as active SSA is in place)	Jun 2021
Edge360 Client License	Up to 50 Clients (License perpetual as long as active SSA is in place)	Jun 2021

Table 8: Video Surveillance System (CCTV) Specifications

Video Surveillance System (CCTV)					
Software					
Server Application		Bosch Video Management System (BVMS), v7.5 upgrade to v9.0 in progress			
Server Application		Bosch Configuration Client, Bosch Operator Client			
Server Operating System		Windows Server 2008 R2 (BVMS v7.5) Windows Server 2016 (BVMS v9.0)			
Client Operating System		Windows 10			
Database		Microsoft SQL Server 2008 R2 R2 (BVMS v7.5) Microsoft SQL Server 2016 (BVMS v9.0)			
Hypervisor		VMware vSphere			
Hardware					
Pentagon Reservation					
Cameras	Quantity	Manufacturer	Product	Model	Note
Bosch (Fixed)	634	Bosch	Fixed CCTV Camera	Various FLEXIDOME and DINION Models	
Bosch (PTZ)	315	Bosch	PTZ CCTV Camera	Various AUTODOME Models	

Bosch (360°)	13	Bosch	360° Camera	NIN-70122-F0A	
Bosch (180°)	4	Bosch	180° Camera	NIN-70122-F1A	
SightLogix	83	SightLogix	Thermal Sensor Camera	Various SIGHTSENSOR TC	
					Replaced with Bosch 180°
Tier 1 Storage (23 locations throughout Pentagon Reservation)	Quantity	Manufacturer	Product	Model	Note
Controllers	23	NetApps	Raid Controller	DSA-N2E6X4-12AT, DSA-N2E7X4-12AT, DSA-N2E8X4-12AT	12 x 4TB Drives
Expansion Arrays	14	NetApps	Expansion	DSX-N1D6X4-12AT, DSX-N1D8X4-12AT	12 x 4TB Drives
Tier 2 Storage (Central)	Quantity	Manufacturer	Product	Model	Note
Controllers	13	NetApps	Dual Raid Controller	DSA-N2C6X4-12AT, DSA-N2C7X4-12AT, DSA-N2C8X4-12AT	12 x 4TB Drives
Expansion Arrays	21	NetApps	Expansion	DSX-N6D6X3-60AT, DSX-N6D8X4-60AT	60 x 4TB Drive
Remote Video Surveillance Tower (RVST)	Quantity	Manufacturer	Product	Model	Note
1 trailer, 2 cameras, DIVAR 3000, DIVAR 5000 network equipment	6	IV&C	High Capacity Solar Remote Video Surveillance Trailer	MVT-3001-S	
Mark Center					
Cameras	Quantity	Manufacturer	Product	Model	Note
Camera (Fixed)	553	Bosch	Fixed CCTV Camera	Various FLEXIDOME	

				and DINION Models	
Camera (PTZ)	131	Bosch	PTZ CCTV Camera	Various AUTODOME Models	
Storage	Quantity	Manufacturer	Product	Model	Note
Controller	3	NetApps	Dual Raid Controller	DSA-N2C8X8-12AT	12 x 8TB Drives
Expansion Arrays	4	NetApps	Expansion	DSX-N6D8X8-60AT	60 x 8TB Drives
DHHQ					
Cameras	Quantity	Manufacturer	Product	Model	Note
Bosch (Fixed)	125	Bosch	Fixed CCTV Camera	Various FLEXIDOME and DINION Models	
Bosch (PTZ)	23	Bosch	PTZ CCTV Camera	Various AUTODOME Models	
Bosch (360°)	2	Bosch	360° Camera	NIN-70122-F0A	
Bosch (Thermal)	1	Bosch	Thermal Camera	NHT-8001-F09VF	
Storage	Quantity	Manufacturer	Product	Model	Note
Controller	6	NetApps	Raid Controller	DSA-N2E8X8-12AT	12 x 8TB Drives
Expansion Arrays	6	NetApps	Expansion	DSX-N1D8X8-12AT	12 x 8TB Drives
Suffolk Building					
Cameras	Quantity	Manufacturer	Product	Model	Part #
Bosch (Fixed)	4 4	Bosch	Fixed CCTV Camera	Various FLEXIDOME and DINION Models	
Bosch (PTZ)	6	Bosch	PTZ CCTV Camera	Various AUTODOME Models	
Head End Equipment	Quantity	Manufacturer	Product	Model	Part #
Head End Unit	1	Bosch	Intel Xeon E5-1650 Quad Core CPU	MHW-WZ4R2-EEUS	
Storage	2	Bosch	DIVAR IP 7000 Series Video Storage	DIP-7082-8HD	

			Appliance, 2U, RAID 5, 16TB		
Crystal Gateway North					
Cameras	Quantity	Manufacturer	Product	Model	Note
Bosch (Fixed)	35	Bosch	Fixed CCTV Camera	Flexidome NDN-498-P IVA	
Head End Equipment	Quantity	Manufacturer	Product	Model	Note
Head End Unit	1	Bosch	Intel Xeon E5-1650 Quad Core CPU	MHW-WZ4R2-EEUS	
Storage	1	Bosch	DIVAR IP 7000 Series Video Storage Appliance, 2U, RAID 5, 16TB	DIP-7082-8HD	
Skyline 6					
Cameras	Quantity	Manufacturer	Product	Model	Note
Bosch (Fixed)	31	Bosch	Fixed CCTV Camera	FLEXIDOME IP dynamic 7000 V	
Bosch (PTZ)	5	Bosch	PTZ CCTV Camera	AUTODOME Models	
Head End Equipment	Quantity	Manufacturer	Product	Model	Note
Head End Unit	1	Dell	Intel Xeon E5-1650 Quad Core CPU	Precision Tower 5810	
Storage	1	Bosch	DIVAR IP 8000 Series Video Storage Appliance	DIP-7082-8HD	
One Liberty Center					
Cameras	Quantity	Manufacturer	Product	Model	Note
Bosch (PTZ)	3	Bosch	PTZ CCTV Camera	VG4-522-CCE	
Bosch (Fixed)	104	Bosch	Fixed CCTV Camera	Various FLEXIDOME and DINION Models	
Head End Equipment	Quantity	Manufacturer	Product	Model	Note

Head End Unit	1	Bosch	Intel Xeon E5-1650 Quad Core CPU	MHW-WZ4R2-EEUS	
Storage	3	Bosch	DIVAR IP 7000 Series Video Storage Appliance, 2U, RAID 5, 16TB	DIP-7082-8HD	
DLA Lorton					
Cameras	Quantity	Manufacturer	Product	Model	Part #
Bosch (Fixed)	19	Bosch	IP Fixed Dome Camera	NDN-498V03-22PS	
Head End Equipment	Quantity	Manufacturer	Product	Model	Part #
Head End Unit	1	Bosch	Intel Xeon E5-1650 Quad Core CPU	MHW-WZ4R2-EEUS	
Storage	1	Bosch	DIVAR IP 7000 Series Video Storage Appliance, 2U, RAID 5, 16TB	DIP-7082-8HD	
U.S. Court of Appeals for the Armed Forces					
Cameras	Quantity	Manufacturer	Product	Model	Part #
Bosch (Fixed)	9	Bosch	Fixed CCTV Camera	Various FLEXIDOME Models	
Bosch (PTZ)	11	Bosch	PTZ CCTV Camera	Various AUTODOME Models	
Head End Equipment	Quantity	Manufacturer	Product	Model	Part #
Head End Unit	1	Bosch	Intel Xeon E5-1650 Quad Core CPU	Precision Tower 5810	
Storage	1	Bosch	DIVAR IP 6000 Series Video Storage Appliance	DIP-61F3-16HD	
Various					
MIMO Radios	Quantity	Manufacturer	Product	Model	Part #
StreamCaster 4480	4	Silvus	4x4 MIMO radio, 8 Watts, 2200-2300MHz + 4400-4940MHz	SC4480E-225467-SBST	

Antenna	16	Silvus	Antenna, omni, 2 dBi, dual band 2100-2500 MHz and 4400-5900 MHz	AOV2D230515S-TM	
WiFi Dongle	4	Silvus	StreamCaster WiFi Dongle	SC-WIFI-DNGL2-RGDODU	
GPS Module	4	Silvus	GPS Module, 2nd Gen	SC-GPS2-SW-6	
PTT handset	4	Silvus	PTT handset with in-ear bud	SC-HS3-PTT-ODU	
Licensing					
		Pentagon	Mark Center	DHHQ	
VMS SMA		Perpetual	Perpetual	Perpetual	
Channel Expansions		2679	698	133	
Workstations		69	33	7	
Forensic Search Licenses		0	17	4	
Hard Drive Controllers On Site Parts Replacement		36 Months with 4 hour response time, extendable to 72 months.	0	0	
Hard Drive Controllers / No Parts Return		36 Months, with four hour response time extendable to 72 months.	0	0	
Hard Drive Expansion Units On Site Parts Replacement		36 Months with four hour response time, extendable to 72 months.	0	0	
Hard Drive Expansion Units / No Parts Return		36 Months with four hour response time extendable to 72 months.	0	0	
Workstations					
Pentagon					
Item	Quantity	Manufacturer	Product	Model	Part #
Workstation	69	Dell & OnLogic	Precision & UCPC	T3610 685W & MC500	TPM Chassis

Monitor	69	Varies			
Mark Center					
Item	Quantity	Manufacturer	Product	Model	Part #
Workstation	33	Dell	Precision	T1700 SFF	H5T6942
Monitor	33	Dell		P2214H	
DHHQ					
Item	Quantity	Manufacturer	Product	Model	Part #
Workstation	7	Dell	Precision	3630 Tower CTO BASE	210-AOZN
Monitor		Dell	various	various	various
In Storage					
Item	Quantity	Manufacturer	Product	Model	Part #
Active Integrations					
SightLogix					
CCURE			BVMS to CCURE integration at the Mark Center and DHHQ		
Operational Information					
Total Users Supported (Approximate)			~150 users between across sites		

Table 9: Turnstile Specifications

Turnstiles					
Hardware					
Pentagon Reservation					
Item	Quantity	Manufacturer	Product	Model	Year Installed
3/4 Height Turnstile	18	Gunnebo		Optistile 720	2015
3/4 Height Turnstile	6	Gunnebo		Optistile 720	2011
3/4 Height Turnstile	4	Gunnebo		Optistile 720	2017
Secure Portal Turnstile	1	Boon Edam		TAP250	2012
Revolving Door Turnstile	4	Boon Edam		Tourlock	2012 LCR tbd 2020
Secure Portal Turnstile	1	Boon Edam		TAP250	2013
Revolving Door Turnstile	4	Boon Edam		Tourlock	2013 LCR tbd 2020
Secure Portal Turnstile	1	Boon Edam		TAP250	2012 LCR tbd 2020
Revolving Door Turnstile	1	Boon Edam		Tourlock	2012 LCR tbd 2020

¾ Height Turnstile	3	Gunnebo		Optistile 720	2015
¾ Height Turnstile	4	Gunnebo		Optistile 720	2016
½ Height Turnstile	5	DSI			2011
Secure Portal Turnstile	2	Boon Edam		TAP250	In progress
Revolving Door Turnstile	4	Boon Edam		Tourlock	In progress
Exterior Turnstile/Revolving	2	Boon Edam		THT-100	
Exterior Turnstile/Revolving	1	Boon Edam		THT-100	2015
Exterior Turnstile/Revolving	1	Boon Edam		THT-100	2015
Exterior Turnstile/Revolving	1	Boon Edam		THT-100	2015
Exterior Turnstile/Revolving	1	Boon Edam		THT-100	2014
Exterior Turnstile/Revolving	1	Boon Edam		THT-100	2014
Exterior Turnstile/Revolving	1	Boon Edam		THT-100	2015
Exterior Turnstile/Revolving	2	Boon Edam			2009
Exterior Turnstile/Revolving	1	Boon Edam			2008
Exterior Turnstile/Revolving	1	Boon Edam		THT-100 Tandem	2018
Leased Facilities (DHHQ)					
Item	Quantity	Manufacturer	Product	Model	Year Installed
Full-Height Turnstile	3	Boon Edam	Turnstile, interior	Tourlock 180	2012
Full-Height Turnstile	3	Boon Edam	Turnstile, interior	Tourlock 180	2012
Full-Height Turnstile	1	Boon Edam	Turnstile, interior	Tourlock 180	2012
Full-Height Turnstile	1	Boon Edam	Turnstile, interior	Tourlock 180	2012
Man-Trap Portal	1	Boon Edam	Turnstile, interior	TAP250	2012
Man-Trap Portal	1	Boon Edam	Turnstile, interior	TAP250	2012
Man-Trap Portal	1	Boon Edam	Turnstile, interior	TAP250	2012
Leased Facilities (DHHQ)					
Item	Quantity	Manufacturer	Product	Model	Year Installed

Suffolk ¾ Height Turnstile	3	Gunnebo	Turnstile, interior	Optistile 720FH	2020
Suffolk Exterior Turnstile	1	Boon Edam	Turnstile, exterior	Turnlock	2008
OLC ¾ Height Turnstile	4	Gunnebo	Turnstile, interior	Optistile 720FH	2020
Polk ¾ Height Turnstile	3	Gunnebo	Turnstile, interior	Optistile 720FH	In progress
Taylor ¾ Height Turnstile	4	Gunnebo	Turnstile, interior	Optistile 720FH	In progress
Raven Rock Mountain Complex					
Item	Quantity	Manufacturer	Product	Model	Year Installed
¾ Turnstile	3	Gunnebo	Turnstile, interior	Optistile 720FH	2020
¾ Turnstile	2	Gunnebo	Turnstile, interior	Optistile 720FH	In progress
¾ Turnstile	2	Gunnebo	Turnstile, interior	Optistile 720FH	In progress

Table 10: Privilege Management Program

Software	
Server Application (PACS Services)	InterfaceICE-CCURE <ul style="list-style-type: none"> • v2.1.3.16 InterfaceICE-AMAG <ul style="list-style-type: none"> • v1.3.0.0.0 InterfaceICE-IMESA <ul style="list-style-type: none"> • v1.0.9
Server Application	Intellisoft Services <ul style="list-style-type: none"> • InterfaceICE-TI v1.0.7.6 • InterfaceICE-Innometriks v1.0.9.0 • IceMobile v1.0.0.0040 • NotifyICE v1.0.2 AMP Portals <ul style="list-style-type: none"> • AMP v1.3.2 TI Services <ul style="list-style-type: none"> • Email Agent v5.8.3.8545 • CertVal Agent v5.8.3.8545 TI Portals <ul style="list-style-type: none"> • VMS v5.8.3.8545
Client Application	Intellisoft <ul style="list-style-type: none"> • Intellisoft ICEWARE v6.8.28.0 • IceMobile v1.0.0.0040 Technology Industries

	<ul style="list-style-type: none">Registration Kiosk v5.8.3.8621SignIn Kiosk v5.8.3.8621 Station Application v5.8.3.8545			
Database Server	<ul style="list-style-type: none">Microsoft SQL Server 2016 SP2MariaDB 10.2			
Database Server (RMS)	Oracle 11g 11.2.0.3 <ul style="list-style-type: none">Quest Toad for Oracle 12.1			
Operating System (Servers)	Windows Server 2012 Windows Server 2016 Red Hat Enterprise Linux 7			
Operating System (Workstations)	Windows 10 1803 for Desktop, Windows 10 1909 for Windows Surface			
Servers				
Pentagon: 14 x Application and Database servers				
All server hosting is in a Government furnished virtual environment.				
Workstations				
<ul style="list-style-type: none">PMP Workstations: 34PMP Kiosks: 10VMS Workstations: 47VMS Kiosks: 7Handhelds: 38				
Active Integrations				
PMP is integrated to/or planned: <ul style="list-style-type: none">AMAG v8AMAG v9SOFTWARE HOUSE C•CURE 9000LenelIdentity Management Engine for Security and Analysis (IMESA)Technology Industries Entrypoint Proximex Surveillant PSIMCNL IPSecurity Center PSIMInnometriks Enterprise Biometrics				
Operational Information				
Total ICEWARE Users	250,000 Web Portal users, architecture dependent 200 Concurrent Clients connection, architecture dependent			
Total Entrypoint Users	250,000 Web Portal users, architecture dependent 200 Concurrent Client connections, architecture dependent			
Total Access Management Portal Users	250,000 Web Portal users			
System Status	The system is in production as of September 2011.			
Annual Software Maintenance Agreements	Intellisoft, Technology Industries, IRISID, Acuant, Aware, Touchless Biometrics (TBS)			
Hardware				
Location	Item Type	Manufacturer	Model	Quantity

Pentagon Reservation	Biometric Enrollment Device	Lumidign	v302-02-S-USB01	8	
	Visitor Photo Camera	Logitech	C920, C615	18	
	Biometric Enrollment Device	IRISID	iCAM TD100	8	
	Card Reader	HID	Various	39	
	Kiosk	IMAGE HOLDERS	IHSHELLP15W45054	8	
	ID Card Scanner	Accuant	ID-150	9	
	Badging Camera	Valcam	8500-630	5	
	Mag Encoder	ID Tech	IDWA-336333	7	
	TBS Iris reader	TBS	2D-EYE	4	
	TBS Edge	TBS	EDGE	4	
	TBS Readers	TBS	2D+	4	
Mark Center	Biometric Enrollment Device	Lumidign	v302-02-S-USB01	3	
	Visitor Photo Camera	Logitech	C920, C615	3	
	Biometric Enrollment Device	IRISID	iCAM TD100	2	
	Card Reader	HID	Various	6	
	Kiosk	IMAGE HOLDERS	IHSHELLP15W45054	2	
	ID Card Scanner	Accuant	ID-150	2	
	Badging Camera	Valcam	8500-630	2	
	Mag Encoder	ID Tech	IDWA-336333	1	
	TBS Iris reader	TBS	2D-EYE	2	
	TBS Edge	TBS	EDGE	2	
	TBS Readers	TBS	2D+	2	
Defense Health Headquarters	Biometric Enrollment Device	Lumidign	v302-02-S-USB01	2	
	Visitor Photo Camera	Logitech	C920, C615	3	
	Biometric Enrollment Device	IRISID	iCAM TD100	2	
	Card Reader	HID	Various	4	
	Kiosk	IMAGE HOLDERS	IHSHELLP15W45054	2	
	ID Card Scanner	Accuant	ID-150	3	
	Badging Camera	Valcam	8500-630	1	
	Mag Encoder	ID Tech	IDWA-336333	2	
	TBS Iris reader	TBS	2D-EYE	1	
	TBS Edge	TBS	EDGE	1	
	TBS Readers	TBS	2D+	1	
Raven Rock Mountain Complex	Biometric Enrollment Device	Lumidign	v302-02-S-USB01	3	
	Visitor Photo Camera	Logitech	C920, C615	3	

	Biometric Enrollment Device	IRISID	iCAM TD100	3	
	Card Reader	HID	Various	6	
	Kiosk	IMAGE HOLDERS	IHSHELLP15W45054	3	
	ID Card Scanner	Accuant	ID-150	3	
	Badging Camera	Valcam	8500-630	1	
	Mag Encoder	ID Tech	IDWA-336333	1	
	TBS Iris reader	TBS	2D-EYE	1	
	TBS Edge	TBS	EDGE	1	
	TBS Readers	TBS	2D+	1	
One Liberty Center	Biometric Enrollment Device	Lumidign	v302-02-S-USB01	1	
	Visitor Photo Camera	Logitech	C920, C615	1	
	Biometric Enrollment Device	IRISID	iCAM TD100	1	
	Card Reader	HID	Various	2	
	Kiosk	IMAGE HOLDERS	IHSHELLP15W45054	1	
	ID Card Scanner	Accuant	ID-150	1	
	Mag Encoder	ID Tech	IDWA-336333	1	
Suffolk Building	Biometric Enrollment Device	Lumidign	v302-02-S-USB01	2	
	Visitor Photo Camera	Logitech	C920, C615	7	
	Biometric Enrollment Device	IRISID	iCAM TD100	3	
	Card Reader	HID	Various	8	
	Kiosk	IMAGE HOLDERS	IHSHELLP15W45054	2	
	ID Card Scanner	Accuant	ID-150	2	
	Badging Camera	Valcam	8500-630	1	
	Mag Encoder	ID Tech	IDWA-336333	2	
	Mobile verification	IrisID	iCAM M300	38	
	Mobile sync station	IrisID	M3-CRD	30	
	Mobile Attachment	IrisID	M3-AM	38	
	TBS Iris reader	TBS	2D-EYE	1	
	TBS Edge	TBS	EDGE	1	
	TBS Readers	TBS	2D+	1	
Crystal Square 5	TBS Iris reader	TBS	2D-EYE	1	
	TBS Edge	TBS	EDGE	1	
	TBS Readers	TBS	2D+	1	

Table 11: Locking Hardware Specifications

Locking Hardware					
Hardware					
All Facilities					
Item	Quantity (Approximate)	Manufacturer	Product	Model	Year Installed
Panic Bar	410				
Electric Strike	200				
LKM	500				
Electrified Mortise/Cylindrical	2,015				
Magnetic Lock	375				

Table 12: License Plate Reader for Parking Enforcement

License Plate Reader for Parking Enforcement					
Software					
Server Application			Genetec Security Center		
Version			5.4		
Server Operating System			Windows Server 2012		
Database			SQL Server 2014		
Hypervisor			vmWare		
AutoVu Patroller			6.3		
Client Application			Genetec Patroller		
Client Operating System			Windows 10		
Hardware					
Vehicle					
Item	Quantity	Manufacturer	Product	Model	Part #
LPR Camera	8	Genetec	AutoVu SharpX	AU-XS-XGA-W12850	
Processing Unit	4	Genetec	AutoVu LPR Processing Unit	AU-H-XTU-X1S	
Tablet	8	Dell	Latitude 12 Ruggedized Tablet	7202	
Mounting Hardware	4	Havis	Tablet Docking Station	DS-DELL-604-2	
Active Integrations					
Virginia State Police			Hot List retrieval		
Operational Information					
Total Users Supported (Approximate)			10 users		

System Status	This system is currently in pre-production with an estimated deployment of 9/2016. The above information is subject to change.
Maintenance Agreements	Genetec Software and LPR Hardware Replacement

Table 13: Emergency Call Box

Leased Facilities Emergency Call Stations						
Hardware						
Mark Center						
Item	Quantity	Manufacturer	Product	Model	Year Installed	Location
	1	Zenitel	Alphacom Emergency IP Substation	1000629270IP	2011	South Parking, P1 Level
	2	Zenitel	Alphacom Emergency IP Substation	1000629270IP	2011	South Parking, P2 Level
	2	Zenitel	Alphacom Emergency IP Substation	1000629270IP	2011	South Parking, P3 Level
	2	Zenitel	Alphacom Emergency IP Substation	1000629270IP	2011	South Parking, P4 Level
	3	Zenitel	Alphacom Emergency IP Substation	1000629270IP	2011	South Parking, P5 Level
	3	Zenitel	Alphacom Emergency IP Substation	1000629270IP	2011	South Parking, P6 Level
	3	Zenitel	Alphacom Emergency IP Substation	1000629270IP	2011	South Parking, P7 Level
	3	Zenitel	Alphacom Emergency IP Substation	1000629270IP	2011	South Parking, P8 level
	1	Zenitel	Alphacom Emergency IP Substation	1000629270IP	2011	South Parking, P9 Level
	1	Zenitel	Alphacom XE7	1009608300	2011	Security Operations Center
	2	Zenitel	IP Master Desk Station and Display	1008001000	2011	Security Operations Center
	6	Zenitel	Alphacom Emergency IP Substation	100062979IP	2011	North Parking, P1 Level

	6	Zenitel	Alphacom Emergency IP Substation	100062979IP	2011	North Parking, P2 Level
	6	Zenitel	Alphacom Emergency IP Substation	100062979IP	2011	North Parking, P3 level
	6	Zenitel	Alphacom Emergency IP Substation	100062979IP	2011	North Parking, P4 Level
	6	Zenitel	Alphacom Emergency IP Substation	100062979IP	2011	North Parking, P5 Level
	6	Zenitel	Alphacom Emergency IP Substation	100062979IP	2011	North Parking, P6 Level
	6	Zenitel	Alphacom Emergency IP Substation	100062979IP	2011	North Parking, P7 Level
	3	Zenitel	Alphacom Emergency IP Substation	100062979IP	2011	Transportation Center
Defense Health Headquarters						
Item	Quantity	Manufacturer	Product	Model	Year Installed	Location
	11	Commend International	IP Stanchion Mount Substation	USM931A	2012	Outdoor Parking (Throughout)
	1	Commend International	Intercom Server Unit	GE 800	2012	DHHQ Command Center
One Liberty Center						
Item	Quantity	Manufacturer	Product	Model	Year Installed	Location
	1	Zenitel	Alphacom XE7	1009608300	2008	Security Control Desk, Lobby
	5	Zenitel	Alphacom Emergency IP Substation	100062979IP	2008	Garage, B-1 Level
	6	Zenitel	Alphacom Emergency IP Substation	100062979IP	2008	Garage, B-2 Level
	6	Zenitel	Alphacom Emergency IP Substation	100062979IP	2008	Garage, B-3 Level
	7	Zenitel	Alphacom Emergency IP Substation	100062979IP	2008	Garage, B-4 Level

	6	Zenitel	Alphacom Emergency IP Substation	100062979IP	2008	Garage, B-5 Level
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Table 14: Software Maintenance Agreements

Location	System	Frequency
Pentagon and Other Leased Facilities	AMAG	Annual
Mark Center	Software House	Annual
DHHQ	Software House	Annual
RRMC	Software House	Annual
Pentagon	FFT	Annual
Mark Center	FFT	Annual

Table 15: Estimated System Components Installed per year (excluding LCR)

System	Components	Average Installed/Year
AMAG/CCure	Panel and Reader	60
IDS Sensors	PIR, HSS, Duress	120
ACS	Door release button	25
Locking Hardware	Mortise, electric strike, mag	30
Intercom	AIPhone main and desk units	30
Cameras	PTZ and Fixed (Interior and Exterior)	55