SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.12.1 Information Technology System Application Inventory and Workload History

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ATTACHMENT J-8.C.3.12.1 Information Technology System, Application Inventory and Workload History

Table of Contents:

HARDWARE	3
STORAGE	4
NETWORK	5
TELECOMMUNICATIONS	6
USER SUPPORT	7
PRIMARY PROCESSING FACILITY	8
CORE SOFTWARE	9
COST REIMBURSEABLE SOFTWARE	12
OPTIONAL SOFTWARE FOR SUPPORT OF FIXED-PRICE SCOPE	14

HARDWARE	
SYSTEM DESCRIPTION	**APPROXIMATE TOTAL DEVICES**
Standalone Servers	50
Blade Chassis	2
Blade Servers	20
Desktops	1300
Thin Clients	800
Laptops	175
Tablets	8
Other (Inc. VM)	250
Wi-Max	30
Supervisory Control and Data Acquisition System (SCADA)	39
Industrial Control System	N/A

STORAGE			
STORAGE TYPE	**TOTAL SPACE IN USE**	**TOTAL SPARE SPACE**	**TOTAL SPACE**
SANS	123 TB	146 TB	269 TB
DAS	2 TB	3 TB	5 TB
NAS	N/A	N/A	N/A
Tape Devices (3)	N/A	N/A	N/A

NETWORK			
DEVICE DESCRIPTION	TOTAL IN USE	TOTAL SPARE	TOTAL DEVICES
Routers	2	1	3
Core Switches	1	1	2
Switches	117	80	197
Wireless Controllers	1		1
Wireless Access Points	28	1	29
Firewalls	3	1	4
Battery Backups	100+	25	125
IP Cameras	18	2	20
AACS	1 SYSTEM	0	1 SYSTEM
Security Appliances	10	1	11
Logging Systems	1		1
Compliance Systems	3		3

TELECOMMUNICATIONS			
FUNCTION DESCRIPTION	**TOTAL BANDWIDTH**	**TOTAL CONNECTIONS**	**TOTAL DEVICES**
Internet Connectivity	100MB	1	N/A
Telco Connectivity	N/A	-	N/A
PBX	Unknown	1200 per year 119600 calls per month	2
Voice Mail	N/A	1200 per year 72000 calls per month36 connections	1650
Digital Phones	N/A	N/A	365 Estimated
Analog Phones	N/A	N/A	2500 Estimated
Red Phone System	N/A	N/A	1
Red Phones	N/A	N/A	25
PAX System	N/A	N/A	1
PAX Devices	N/A	N/A	550
Smart Phones's	N/A	N/A	500
Cell Phones	N/A	N/A	300
Mifi's	N/A	N/A	1
Other 3g / 4g	-	N/A	11
Pagers	25	250 per year	750
Intercom			0
VTC			0
PORTS to PGDP Connections	N/A	100 MB	N/A
Secure Phones		10 calls per month	2
Site Wide Connectivity	N/A	N/A	N/A

USER SUPPORT	
FUNCTION DESCRIPTION	**PER YEAR** approximately
Number of Users	2000
Hardware Tickets	6000
Application Tickets	3000
Equipment Installed	4000
Equipment Repairs	1300
Equipment Replacement	600

DATABASE SYSTEM	LICENSES	TOTAL SYSTEMS
SQL Databases	Up to 20	10
Oracle Databases	Up to 10	5

PRIMARY PROCESSING FACILITY				
FACILITY FUNCTIONS	**Primary**	**Secondary**	**Tertiary**	**TOTAL**
Power	Main Plant Power	Battery	Generator	3
Cooling	Carrier Unit 1	Carrier Unit 2	None	2
Connectivity	Multi-Path Internal and Internet	Multi-Path Internal and Internet	None	2
Lighting	LED Facility Lights	Battery	Generator	3

CORE SOFTWARE		
Software Name	**Version**	**Core Type**
Adobe Acrobat DC	19	Baseline Workstation
Adobe Acrobat Reader	19	Baseline Workstation
Adobe PDF iFilter 64-bit	11.0.01	Tool - *Integral to EIC functionality*
BlackBerry UEM (Unified Endpoint Manager)	12.8.0	Tool - *Integral to email capability on cellular phones*
Chrome	NA- all supported versions	Baseline Workstation
Cisco Adaptive Security Appliance (ASA) OS	9.7(1)4 and 9.1(7)23	System Software - *For firewall*
Cisco Aire OS	8.5.135.0	System Software - *For Cisco wireless access points*
Cisco Async OS	11.1.0-131	System Software - *For email/web filters*
Cisco Email Security Appliance (ESA)	11.1.3-006	Tool - *Integral to MS Exchange*
Cisco Firepower Threat Defense OS	6.3	System Software - *For firewall*
Cisco IOS	03.06, 15.1, 15.2,	System Software - *For network switches*
Cisco NXOS	8.3.1	System Software - *For Core Network Switches*
Crystal Reports	13.0.16.1954	Tool - *integral to Dosimetry reporting*
DameWare Agent	12.0.5	Baseline Workstation
Entrust Outlook	9.2, 10.0	Baseline Workstation
Entrust Windows	9.3, 10.0	Baseline Workstation
ESXi	6.5	Baseline Server
Firefox	NA- all supported versions	Tool - *Integral to Maximo*
Horizon View Client	4	System Software - *For virtual desktop infrastructure*
Horizon View Server	7	Baseline Server
Internet Explorer	NA-all supported versions	Baseline Workstation
Local Administrator Password Solution	6.2	Baseline Workstation
Microsoft .NET Framework	3 and 4	Baseline Workstation/Server
Microsoft Exchange Server	2013	Baseline Server
Microsoft Office 2013	15	Baseline Workstation
Microsoft Office 2016	16	Baseline Workstation

CORE SOFTWARE		
Microsoft Office Professional Plus 2010	14	Baseline Workstation
Microsoft Silverlight	5	Baseline Server
Microsoft SQL Server	2008	Baseline Server
Microsoft SQL Server	2008r2	Baseline Server
Microsoft SQL Server	2012	Baseline Server
Microsoft SQL Server	2014	Baseline Server
Microsoft SQL Server	2016	Baseline Server
Online Office Server	16	Service - *Integral to SharePoint*
SharePoint 2016	16	Baseline Server
Skype for Business Basic 2016	16	Baseline Workstation
Skype for Business Server 2015	6	Baseline Server
Sophos Anti-Virus	10. 8.2.363	Baseline Workstation
Sophos Application Control	5.4.1	Baseline Workstation
Sophos Auto Update	5.14.36	Baseline Workstation
Sophos Client Firewall	2.9.7	Baseline Workstation
Sophos Endpoint Defense	1.0.7.2	Baseline Workstation
Sophos for Virtual Environments	1.3	Baseline Virtual Environment
Sophos Network Threat Protection	1.2.2.50	Baseline Workstation
Sophos Remote Management System	4.1.1	Baseline Workstation
Sophos System Protection	1.3.1	Baseline Workstation
Universal Forwarder	7.2.4.0	Baseline Workstation
vCenter Server	6.5	Baseline Server
VMWare App Volumes	2.14	System Software - *For virtual machines*
VMWare Tools	10.3.5	Tool - *Provides drivers to VMs*
Windows 10	10	System Software – 05 *for PCs*
Windows 7	6	System Software/ Baseline Workstation
Windows 8	8	System Software – 05 *for PCs*
Windows Server	2008	Baseline Server
Windows Server	2012r2	Baseline Server

CORE SOFTWARE		
Windows Server	2016	Baseline Server
Windows Server Update Services	3	Service - *Integral to SCCM*

COST REIMBURSEABLE SOFTWARE			
Product	**Description**	**Function**	**Funding**
Active Directory Info	Active Directory Utility	Cyber Security	N/A
Adobe DC Professional or Reader	PDF viewer and editing	Systems	PO-0040
Advanced Threat Analytics	Entity Behavior Analytics	Cyber Security	PO-0020
ASA 5525-X with SW, 8GE Data, 1GE Mgmt, AC, 3DES/AES	Firewall for alternate EOC	Networking	PO-0040
Blackberry Enterprise Mobility (D&R/ISS) - 500	Software Licensing	Networking	PO-0040
Burp Suite Professional	Web Application Scanning	Cyber Security	PO-0020
Canary	Honeypot	Cyber Security	PO-0020
Carbon Black Protect	SWAM	Cyber Security	DOE HQ Provided
Cisco ASA 5555X Firewall	Internet Firewall	Networking	PO-0040
Cisco ASAv10 with Standard Tier Licenses	Virtual VPN Concentrators	Networking	PO-0040
Cisco Edge Switches	Network switches	Networking	PO-0040
Cisco ESA Filter	Email Filtering	Networking	PO-0040
Cisco Firepower Threat Defense	External Firewall	Networking	PO-0040
Cisco Nexus 7706	Core Switches	Networking	PO-0040
Cisco Prime Infrastructure	Network Monitoring	Networking	PO-0040
Cisco Wireless Controllers	Wireless Controller for Aps	Networking	PO-0040
Cisco WSA Filter	Web Filtering	Networking	PO-0040
Cloudlens	Cloud Network Monitoring	Cyber Security	PO-0040
Dameware	Workstation Management	Systems	PO-0040
Documentum	Current site ERMS	Systems	PO-0040
Exacom Technology	Call Recording	Telecom	PO-0040
F5 Renewal	Load Balancer	Systems	PO-0040
Forcepoint DLP Network	Dataloss Prevention	Cyber Security	PO-0020
ForeScout CounterACT	Hardware Asset Management	Cyber Security	DOE HQ Provided
Gimmal	Future site ERMS	Systems	PO-0040
Horizon View/VMware	VDI and Remote Access	Systems	PO-0040

HP Maintenance Renewal	HP Maintenance	Systems	PO-0040
HP Maintenance Renewal	HP Maintenance	Systems	PO-0040
HP Maintenance Renewal	HP Maintenance	Systems	PO-0040
HP Maintenance Renewal	HP Maintenance	Systems	PO-0040
HP Maintenance Renewal	HP Maintenance	Systems	PO-0040
Metasploit Pro	Penetration Testing	Cyber Security	PO-0040
Microsoft Annual Payment	Software Licensing	Systems	PO-0040
Microsoft Premier License	Software Licensing	Systems	PO-0040
Nexpose	Vulnerability Scanning	Cyber Security	PO-0040
Nintex	Sharepoint Workflow	Systems	PO-0040
Nutanix	VDI Backend Infrastructure	Systems	PO-0040
Occularis	Video monitoring software	Systems/Security	PO-0040
Samsung Knox Configure	Smartphone Security	Telecom	PO-0040
Security Analytics and Incident Response	Full Packet Capture	Cyber Security	DOE HQ Provided
ShortPoint	Sharepoint Management	Systems	PO-0040
Sophos	Antivirus/Endpoint Defense/Application Control	Cyber Security	PO-0020
Splunk Enterprise	Information and Event Management	Cyber Security	DOE HQ Provided
Thycotic Secret Server	Privileged Access Management	Cyber Security	PO-0020
Track-It	Help desk work order tracking system	Help Desk	PO-0040
Trustwave DbProtect	Database vulnerability tool	Cyber Security	DOE HQ Provided
Veeam	Backup Software	Systems	PO-0040
VMWare	Virtual Server Infrastructure	Systems	PO-0040

The Contractor may recommend equivalent software based on price and other evaluation factors each year.

OPTIONAL SOFTWARE FOR SUPPORT OF FIXED-PRICE SCOPE **This software is in use to support fixed-price scope. The use is optional and would be the responsibility of the Contractor as part of the Firm-Fixed price.**			
Product	**Description**	**Function**	**Funding**
BC Wipe	Media sanitization software	Cyber Security	Firm-Fixed Price – CLIN 0201, 0202
Continuant	PBX Maintenance	Telecom	Firm-Fixed Price – CLIN 0101, 0102
Discovery Attender	Electronic Search and Discovery	Cyber Security	Firm-Fixed Price – CLIN 0201, 0202
Fluke Optiview XG	Network Monitoring	Networking	Firm-Fixed Price – CLIN 0101, 0102
Forum Communications	Conference Bridge	Telecom	Firm-Fixed Price – CLIN 0101, 0102
Maximo	Work Control Software	Tracking	Firm-Fixed Price – CLIN 0101, 0102
MCM Technology	Radio Inventory	Telecom	Firm-Fixed Price – CLIN 0101, 0102
New London	Radio System	Telecom	Firm-Fixed Price – CLIN 0101, 0102
Paessler Network Monitor	Network Monitoring	Networking	Firm-Fixed Price – CLIN 0101, 0102
SendWordNow	Emergency Notification	Telecom	Firm-Fixed Price – CLIN 0101, 0102
Vertiv	UPS Maintenance	Networking	Firm-Fixed Price – CLIN 0101, 0102
Whatsup Gold	Network Monitoring	Networking	Firm-Fixed Price – CLIN 0101, 0102
Wincall	Call Accounting	Telecom	Firm-Fixed Price – CLIN 0101, 0102