

TABLE OF ESTIMATED QUANTITIES BY SYSTEM AND FISCAL YEAR

SYSTEM	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	Total
CENTRIXS 185A(V)2 Force	6	12	7	3	1	0	0	0	29
CENTRIXS 185B(V)2 Unit	1	20	22	9	18	1	0	0	71
Subtotal CENTRIXS	7	32	29	12	19	1	0	0	100
ISNS 153D(V)1 LCC Class	0	1	0	0	0	0	0	0	1
ISNS 153D(V)1 LHA Class	0	2	0	0	0	0	0	0	2
ISNS 153D(V)1 LHD Class	2	2	0	0	0	0	0	0	4
ISNS 153D(V)2 CVN Class	1	2	0	0	0	0	0	0	3
ISNS 153D(V)9 FFG, DDG, CG, LPD, LSD Class	13	17	2	0	0	0	0	0	32
ISNS 153D(V)X SCN	0	0	1	2	0	0	0	0	3
ISNS C(V)10 CVN Class Server Refresh (3 year)	1	1	1	0	0	0	0	0	3
ISNS (V)10 DDG, CG, LPD, LSD Class Server Refresh (3 year)	4	1	1	0	0	0	0	0	6
ISNS Equipment for GCCS-M	20	25	4	2	0	0	0	0	51
ISNS Misc Hardware Refresh	15	4	12	0	0	0	0	0	31
ISNS Tech Refresh - MCM Only (6 year)	0	0	0	0	4	6	0	0	10
Subtotal ISNS	56	55	21	4	4	6	0	0	146
SCI Networks 148D(V)2	3	2	1	0	0	0	0	0	6
SCI Networks 148G(V)2	6	6	5	0	0	0	0	0	17
SCI Networks 148H(V)2	0	1	10	4	0	0	0	0	15
SCI Networks Surface Tech Refresh	0	0	14	10	14	8	4	1	51
SCI Networks Submarine Tech Refresh	0	0	8	8	8	8	6	6	44
Subtotal SCI Networks	9	9	38	22	22	16	10	7	133
NTCSS AN/UYK-164(V)6 (Force)	4	4	0	0	0	0	0	0	8
NTCSS AN/UYK-164(V)4 (BF)	5	5	5	5	0	0	0	0	20
NTCSS AN/UYK-164(V)4 (Unit) (FF)	5	5	5	0	0	0	0	0	15
NTCSS AN/UYK-164(V)2 (MCM)	4	5	5	0	0	0	0	0	14
NTCSS AN/UYK-164(V)X (MCM-Next Gen. SCN)	2	2	1	1	0	0	0	0	6
NTCSS AN/UYK-164(V)5 (MALS)	5	5	5	5	0	0	0	0	20
NTCSS AN/UYK-164(V)9 SSN 688 (BF)	2	5	5	5	0	0	0	0	17
NTCSS AN/UYK-164(V)9 SSN 688 (FF)	2	5	3	5	0	0	0	0	15
Subtotal NTCSS	29	36	29	21	0	0	0	0	115
CSRR OHIO ECS Main/DPS (Future Workstation)	2	4	4	8	6	6	6	6	42
CSRR SEAWOLF ESC (Future Workstation)	0	0	2	0	4	0	0	0	6
CSRR VA FLT I & II ECS (Future Workstation)	0	2	2	4	6	6	0	0	20
CSRR VA BLK III (SCN) (Future Workstation)	2	2	4	4	4	0	0	0	16
CSRR LA Class Mod (Future Workstation)	4	10	16	18	18	10	0	0	76
Subtotal CSRR	8	18	28	34	38	22	6	6	160
SubLAN 177B(V)1 CSES (Tall)	3	5	12	2	2	4	0	0	28
SubLAN 177B(V)1 CSES (Short)	3	5	12	2	2	4	0	0	28
SubLAN 177B(V)2 SSN21 SL TR Dual Bay Rack	0	0	1	0	1	1	0	0	3
SubLAN 177B(V)3 SSBN SL DPER Tall Rack	0	0	0	0	4	4	4	2	14
SubLAN 177C(V)1 SSN688 PPMS ER Tall Rack	0	3	12	2	5	8	1	0	31
SubLAN 177C(V)2 SSN21 PPMS ER Tall Rack	0	0	0	0	1	2	0	0	3
SubLAN 177C(V)3 SSBN PPMS ER Tall Rack	0	0	0	0	4	4	4	2	14
SubLAN 177C(V)4 SSGN PPMS ER Tall Rack	3	1	0	0	0	0	0	0	4
Subtotal SubLAN	9	14	37	6	19	27	9	4	125
GRAND TOTALS	118	164	182	99	102	72	25	17	779

CALI ESTIMATED QUANTITIES BY CLIN

Years	Item #	Supplies/Services	Amount	%	Totals
Base (4 years) FY10 - FY13	CLIN 0001	Production (FFP)	\$344,378,087	84%	\$408,791,034
	CLIN 0002	Engineering Services (CPFF)	\$24,892,468	6%	
	CLIN 0003	Engineering Services (CPIF)	\$19,913,974	5%	
	CLIN 0004	Engineering Services (CPAF)	\$2,489,247	1%	
	CLIN 0005	CCE Components (FFP)	\$14,628,012	4%	
	CLIN 0006	Travel & ODC (Cost)	\$2,489,247	1%	
	CLIN 0007	CDRLs	n/a	0%	
Option (4 years) FY14 - FY17	CLIN 1001	Production (FFP)	\$68,788,950	74%	\$93,430,058
	CLIN 1002	Engineering Services (CPFF)	\$11,815,004	13%	
	CLIN 1003	Engineering Services (CPIF)	\$9,452,003	10%	
	CLIN 1004	Engineering Services (CPAF)	\$1,181,500	1%	
	CLIN 1005	CCE Components (FFP)	\$1,011,100	1%	
	CLIN 1006	Travel & ODC (Cost)	\$1,181,500	1%	
	CLIN 1007	CDRLs	n/a	0%	
Total (8 years) FY10 - FY17	CLIN 0001 & 1001	Production (FFP)	\$413,167,037	82%	\$502,221,092
	CLIN 0002 & 1002	Engineering Services (CPFF)	\$36,707,472	7%	
	CLIN 0003 & 1003	Engineering Services (CPIF)	\$29,365,978	6%	
	CLIN 0004 & 1004	Engineering Services (CPAF)	\$3,670,747	1%	
	CLIN 0005 & 1005	CCE Components (FFP)	\$15,639,112	3%	
	CLIN 0006 & 1006	Travel & ODC (Cost)	\$3,670,747	1%	
	CLIN 0007 & 1007	CDRLs	n/a	0%	
Total (8 years)			\$502,221,092	100%	

Integrated Shipboard Network System (ISNS) PMW 160

Program Description:

Mission: To support internal dissemination of information, as well as external connectivity to SIPRNet, NIPRNet and Non-U.S. Wide Area Networks.

Description: Integrated Shipboard Network System (ISNS) provides Navy ships with reliable, high-speed SECRET and UNCLASSIFIED Local Area Network (LAN)s; Network infrastructure (switches routers, and drops to the PC); Basic Network Information Distribution Services (BNIDS); Access to the DISN Wide Area Network (WAN); Secure and Non-secure Internet Protocol Router Network - SIPRNET and NIPRNET, used by other hosted applications (i.e. NTCSS, GCCS-M, DMS, NSIPS, NAVMPS, TBMCS, and TTWCS) and enables real-time information exchange within the ship and between afloat units, Component Commanders, and Fleet Commanders.

ISNS is part of the PEO C4I Afloat Networks Family of Systems (AN FoS), which consists of ISNS, ADNS, CENTRIXS-M, SCI Networks, and SubLAN.

Variant & Component Description:

ISNS is deployed on many ship classes however only the following variants are planned for production as part of CALI.

Variant	Class	Description
AN/USQ-153D(V)1 , A(V)10	LCC, LHA, LHD	Inc 1 Gig-E
AN/USQ-153D(V)2, C(V)10	CVN	Inc 1 Gig-E
AN/USQ-153D(V)9, (V)10	CG, DDG, LPD-4, LSD	Inc 1 Gig-E

The D(V)X systems are full LAN installs. The X(V)10 systems are “Server Refreshes” vice a full LAN install, meaning the existing edge switches and backbone switches remain in place and the old server farm is replaced by the new D(V)X server farm.

- AN/USQ-153D(V)1 – for LCC, LHA and LHD: 3 Unclassified server racks (total of 24 servers) and 3 Secret server Racks (2-Core racks with 16 server total and 1 Application rack with 12 servers total) and 4 Backbone Switch Racks and 12 (LHA) or 14 (LCC) or 11 (LHD) Quad Edge Switch Racks (with 4 edge switches per rack) and 8 (LHD only) Small Edge Switch Racks (with 2 edge switches per rack) up to one Rack with 3-5

workstations to support interfaces to ACDS Block 0 and a CEAM Unit for serial interfaces to legacy systems

- AN/USQ-153D(V)2 - for CVN: 3 Unclassified server racks (total of 24 servers) and 3 Secret server Racks (2-Core racks with 16 server total and 1 Application rack with 12 servers total) and 4 Backbone Switch Racks and 21 Quad Edge Switch Racks (with 4 edge switches per rack) and one AES Rack for airwing data migration and up to two Racks with 3-5 workstations to support interfaces to ACDS Block 0 and a CEAM Unit for serial interfaces to legacy systems
- AN/USQ-153D(V)9 - for DDG/CG/LSD: 2 Unclassified server racks (total of 16 servers) and 2 Secret server Racks (1 Core rack with 8 server total and 1 Application rack with 12 servers total) and 4 Backbone Switch Racks and 2 Dual Edge Switch Racks (with 2 edge switches per rack) and up to one Rack (DDG/CG) with 3-5 workstations to support GCCS workstation requirements and a CEAM Unit for serial interfaces to legacy systems

Fielded Quantities By Variant:

System(s) / Equipment	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	Total
ISNS 153D(V)1 LCC Class	0	1	0	0	0	0	0	0	1
ISNS 153D(V)1 LHA Class	0	2	0	0	0	0	0	0	2
ISNS 153D(V)1 LHD Class	2	2	0	0	0	0	0	0	4
ISNS 153D(V)2 CVN Class	1	2	0	0	0	0	0	0	3
ISNS 153D(V)9 FFG, DDG, CG, LPD, LSD Class	13	17	2	0	0	0	0	0	32
ISNS C(V)10 CVN Class Server Refresh (3 year)	1	1	1	0	0	0	0	0	3
ISNS (V) 10 DDG, CG, LPD, LSD Class Server Refresh (3 years)	4	1	1	0	0	0	0	0	6
ISNS Equipment for GCCS-M	11	7	8	19	0	0	0	0	45
ISNS Misc Hardware Refresh	15	4	12	0	0	0	0	0	31
ISNS Server Tech Refresh MCM Only (6 year)	0	0	0	0	4	6	0	0	10

Resource Capability Requirements:

Supplier resources must have demonstrated experience and expertise in producing hardware with the following characteristics as well as providing supporting engineering services:

Production:

Production and integration of hardware components including application server racks, network racks, edge switches, routers, laptops, and enterprise services in support of a Common Computing Environment (CCE) and Service Oriented Architecture (SOA). Includes production and integration of supporting components including cables, adapters, modems, etc.

Engineering:

Demonstrated Engineering experience required encompasses system engineering, design, integration, interfaces, networking, environmental testing, development of engineering drawings, qualification testing including End of Life engineering in support of production hardware.

Combined Enterprise Regional Information Exchange System-Maritime (CENTRIXS-M) PMW 160

Program Description:

CENTRIXS-M provides secure, protected communications to allied and coalition forces with information services such as email, web services, chat collaboration, and COP. These capabilities are available and provided worldwide during all levels of conflict via the DISN (now) or MNIS (future) backbone.

CENTRIXS-M will enable essential communications for CCDRs, allied and coalition partners and agency partners to command and control their operational and tactical forces in all levels of conflict. Concurrent user access to multiple CENTRIXS enclaves (e.g., CENTRIXS Four Eyes, CENTRIXS-Japan, CENTRIXS-Korea, and CENTRIXS Global Counter Terrorism Force) and SIPRNET is required on ships involved in coalition operations. The current requirements are access to four CENTRIXS enclaves plus SIPRNET for Force Level ships and access to three CENTRIXS enclaves plus SIPRNET for Unit Level ships and at least single enclave capability for portable units and Submarines.

Variant & Component Description:

Variant	Class	Description
AN/USQ-185A(V)2	Force Level Inc 1	Two 36" deep racks Supports 4 coalition enclaves plus SIPRNET Supports up to 30 users COTS HW COTS/GOTS SW
AN/USQ-185B(V)2	Unit Level Inc 1	Two 26" deep racks Supports 3 coalition enclaves plus SIPRNET Supports up to 15 users COTS HW COTS/GOTS SW

Fielded Quantities By Variant:

System(s) / Equipment	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	Total
Force Level AN/USQ 185 A(V)2	6	12	7	3	1	0	0	0	29
Unit Level AN/USQ 185 B(V)2	1	20	22	9	18	1	0	0	71

Resource Capability Requirements:

Supplier resources must have demonstrated experience and expertise in producing hardware with the following characteristics as well as providing supporting engineering services:

Production:

Demonstrated production experience with US Navy shipboard systems is required. This includes experience with rack integration and cable management of COTS/GOTS hardware/software, insuring the timely availability of production items available to meet productions schedules, availability of suitable testing capabilities to insure sufficient testing of components is conducted during production to insure system reliability upon delivery and has sufficient production capabilities to minimally meet forecast production requirements.

Engineering:

Demonstrated Engineering experience required encompasses system engineering, design, integration, interfaces, networking, environmental testing, development of engineering drawings, qualification testing including End of Life engineering in support of production hardware. Familiarity and adherence to DoD systems engineering processes is required.

Sensitive Compartmented Information (SCI) Networks System PMW 160

Program Description:

SCI Networks is a Commercial Off-The Shelf (COTS) based System which:

- Supports transfer of Joint Command and Control (JC2), Situational Awareness, Battle Damage Assessments, Indications and Warnings (I&W) plus additional Cryptologic information
- Provides message services to end users and Command, Control, Communications, Computers and Intelligence (C4I) systems staff with a flexible, network-centric application layer system
- Provides secure electronic mail, chat, web browsing, video, audio and other common network enterprise services
- Provides a conduit for Special Intelligence (SI) as well as other SCI Traffic
 - Secure WAN IP access to ship and shore National web sites, SIGINT and Intelligence databases for seamless interaction between shore, surface, submarine and airborne SI LAN's
 - Network infrastructure for the afloat SI LAN
 - Network Enterprise Services for the afloat SCI Enclave supporting GCCS-M and DCGS-N SI analytic capabilities, and implementation of advanced Tactical Cryptologic Sensor functionality

Variant & Component Description:

SCI Networks is deployed on all DDG/CG/CVN/LCC/LHA/LHD/LPD 17AF/688 Class SSN and shore sites. The variants are tailored to the respective mission of the host ship. The variants by ship class are identified below:

Variant	Class	Description
<i>AN/USQ 148(V)2 Afloat Variants</i>		
D(V)2*	CG, DDG 96AF, LPD 17AF	2 Racks: Router, Servers (3), Workstation, Printer
	LCC, CVN, LHA/LHD	Same as above with additional equipment for another enclave: Workstation, Printer
E(V)2*	DDG 72-95	1 Rack: Servers (2)
G(V)2	LCC, CVN, LHA/LHD, 17AF	3 Racks: Router, Servers (24)

H(V)2	CG, DDG (Flight 2), LPD	2 Racks: Router, Servers (12)
AN/USQ 148(V)3 <i>Submarine Variants</i>		
B(V)3*	SSN	Routers (4) , Servers (3)
AN/USQ-148(V)5 <i>BCA Variants</i>		
A(V)5*	Submarine BCA	Routers (2), Servers (1)

*Technical Refresh of Major Components

Fielded Quantities By Variant:

System(s) / Equipment	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	Total
148D(V)2	3	2	1	0	0	0	0	0	6
148G(V)2	6	6	5	0	0	0	0	0	17
148H(V)2	0	1	10	4	0	0	0	0	15
Surface Tech Refresh	0	0	14	10	14	8	4	1	51
Submarine Tech Refresh	0	0	8	8	8	8	6	6	44

Resource Capability Requirements:

Supplier resources must have demonstrated experience and expertise in producing hardware with the following characteristics as well as providing supporting engineering services:

Production:

Production and integration of hardware components including application server racks, network racks, edge switches, routers, laptops, cryptologic devices, and enterprise services in support of a Common Computing Environment (CCE) and Service Oriented Architecture (SOA). Includes production and integration of supporting components including cables, adapters, modems, etc.

Engineering:

Demonstrated Engineering experience required encompasses system engineering, design, integration, interfaces, networking, environmental testing, development of engineering drawings, qualification testing including End of Life engineering in support of production hardware.

Submarine Local Area Network (SubLAN) PMW 160

Program Description:

SubLAN is the IT-21 network for submarines. It provides the network infrastructure and services for all existing C4I applications, including GCCS-M, NTCSS, Navy Standard Integrated Personnel System) NSIPS, Non-Tactical Data Processing System (NTDPS), Navy Information/Application Product Suite (NIAPS), ADNS and Propulsion Plant Knowledge Management (PPKM). Over 100 applications and systems use the SubLAN network services and infrastructure.

SubLAN is Commercial Off The Shelf (COTS) Hardware and Government Off the Shelf Software (GOTS) based system:

- Provides Unclass, Secret, and Top Secret Enclave including Unclass Wireless LAN
- To be installed in all submarines, including SSN 688, SSN 21, SSGN 726, SSBN 726, and SSN 774 classes
- ADNS provides RF access
- Terminates at four Submarine Broadcast Control Authorities (BCA)s that connect to Network Operating Centers (NOC)s

Variant & Component Description:

SubLAN is deployed on all SSN 688, SSN-21, SSBN-726, SSGN-726 and SSN-774 classes of submarines and shore sites. The variants are tailored to the respective mission of the host ship. The variants by ship class are identified below:

Variant	Class	Description
<i>AN/USQ-177B Variants</i>		
(V)1	SSN688	Gig E backbone / 100 Mbps user COMPOSE 3.0 Win 2003/XP TOP SECRET LAN SECRET LAN SBU LAN Unclassified WLAN Grade A shock certified Gig E Backbone
(V)2	SSN21	
(V)3	SSBN726	
(V)4	SSGN726	
<i>AN/USQ-177C Variants</i>		
(V)1	SSN688	Gig E backbone / 100 Mbps user COMPOSE 3.0 Win 2003/XP TOP SECRET LAN SECRET LAN
(V)2	SSN21	
(V)3	SSBN726	

(V)4	SSGN726	SBU LAN Unclassified WLAN Grade A shock certified Gig E Backbone Propulsion Plant Monitoring System (PPMS)
(V)5	SSN774	

Fielded Quantities By Variant:

System(s) / Equipment	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	Total
177 B(V)1 CSES (Tall)	3	5	12	2	2	4	0	0	28
177 B(V)1 CSES (Short)	3	5	12	2	2	4	0	0	28
177 B(V)2 SSN21 SL TR Dual Bay Rack	0	0	1	0	1	1	0	0	3
177 B(V)3 SSBN SL DPER Tall Rack	0	0	0	0	4	4	4	2	14
177 C(V)1 SSN688 PPMS ER Tall Rack	0	3	12	2	5	8	1	0	31
177 C(V)2 SSN21 PPMS ER Tall Rack	0	0	0	0	1	2	0	0	3
177 C(V)3 SSBN PPMS ER Tall Rack	0	0	0	0	4	4	4	2	14
177 C(V)4 SSBN PPMS ER Tall Rack	3	1	0	0	0	0	0	0	4

Resource Capability Requirements:

Supplier resources must have demonstrated experience and expertise in producing hardware with the following characteristics as well as providing supporting engineering services:

Production:

Production and integration of hardware components including application server racks, network racks, edge switches, routers, laptops, cryptologic devices, and enterprise services in support of a Common Computing Environment (CCE) and Service Oriented Architecture (SOA). Includes production and integration of supporting components including cables, adapters, modems, etc.

Engineering:

Demonstrated Engineering experience required encompasses system engineering, design, integration, interfaces, networking, environmental testing, development of engineering drawings, qualification testing including End of Life engineering in support of production hardware.

NAVAL Tactical Command Support System (NTCSS) PMW 150

Program Overview:

Naval Tactical Command Support System (NTCSS) processes various shipboard non-tactical functions and provides information to maintenance, material, and operations managers in the Navy and Marine Corps. NTCSS applications include: Relational Supply (R-Supply), Relational Administrative Data Management (R-ADM), Optimized Intermediate Maintenance Activity (OIMA) Naval Aviation Logistics Computer Maintenance Information System (NALCOMIS), and Organizational Maintenance Management System - Next Generation (OMMS-NG). In addition to providing focused logistics, NTCSS provides:

- A Single Supply Baseline (SSBL)
- Logistics Replenishment (LOGREP) Underway replenishment capability
- Repair of Other Vessels (ROV)
- Navy Training Management and Planning System (NTMPS) Interface for Enhanced Command Training
- OMA at the IMA Interface to ensure accurate data for Configuration Management

Variant & Component Description:

NTCSS is deployed on all DDG/CG/CVN/LCC/LHA/LHD/LPD/AS/MCM/TAK-E/SSN-688 Class and MALS sites. The variants are tailored to the respective mission of the host ship. The variants by ship class are identified below:

Variant	Class	Description
AN/UYK 164 Afloat Variants		
(V)2	MCM, TAK-E	2 Servers (NTCSS/NIAPS) housed in one rack.
(V)3	CG, DDG, FFG, LCC, LPD, LSD	2 Servers (NTCSS/NIAPS) housed in a dual bay rack
(V)4	DDG, LPD	2 Servers (NTCSS/NIAPS) housed in a dual bay rack
(V)5	MALS	3 Servers (NTCSS) housed in dual bay rack
(V)6	CV/CVN, LHA/LHD	3 Servers (NTCSS, NIAPS) housed in as dual bay rack
AN/UYK 164 Submarine Variants		
(V)9	SSN 688	3 Servers (NTCSS, NIAPS, P-OMMS)

Fielded Quantities By Variant:

System(s) / Equipment	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	Total
AN/UYK 164(V)6 (Force)	4	4	0	0	0	0	0	0	8
AN/UYK 164(V)4 (BF)	5	5	5	5	0	0	0	0	20
AN/UYK 164(V)4 (Unit) (FF)	5	5	5	0	0	0	0	0	15
AN/UYK 164(V)2 (MCM)	4	5	5	0	0	0	0	0	14
AN/UYK 164(V)X (MCM-Next Gen. SCN)	2	2	1	1	0	0	0	0	6
AN/UYK 164(V)5 (MAL5)	5	5	5	5	0	0	0	0	20
AN/UYK 164(V)9 SSN 688 (BF)	2	5	5	5	0	0	0	0	17
AN/UYK 164(V)9 SSN 688 (FF)	2	5	3	5	0	0	0	0	15

Resource Capability Requirements:

Supplier resources must have demonstrated experience and expertise in producing hardware with the following characteristics as well as providing supporting engineering services:

Production:

Production and integration of hardware components including server, switches, HMI and UPS integrated into a shipboard rack. Includes production and integration of supporting components including cables, adapters, modems, etc.

Engineering:

Demonstrated Engineering experience required encompasses system engineering, design, integration, interfaces, networking, environmental testing, development of engineering drawings, qualification testing including End of Life engineering in support of production hardware.

Common Submarine Radio Room (CSRR) PMW 770

Program Description:

Submarine Integration Program Office (PMW 770) develops submarine-specific systems and delivers integrated C4I suites to modernization and new construction platforms.

Common Submarine Radio Room (CSRR) is a communications system common across all submarine classes that is:

- Interoperable with the planned Department of Defense (DoD) Command, Control, Communications, Computers, and Intelligence (C4I) infrastructure,
- A Network-Centric communications gateway that supports interoperable communications between on-board subsystems, external platforms and land-based communications facilities,
- An open-architecture hardware and software approach for integrating Government-off-the-Shelf (GOTS), Commercial-off-the-Shelf (COTS) and Non-Developmental Item (NDI) hardware and application specific software into a common, centrally managed architecture,
- Designed to automate communications aboard subs while reducing errors and manning requirements, and
- Able to leverage existing Navy and DoD C4I capability based acquisition programs to reduce acquisition and life-cycle cost while enhancing submarine platform mission effectiveness

Variant & Component Description:

CSRR has been deployed on SSN 688, Seawolf, Virginia, SSBN and SSGN submarine variants. CSRR OA-9491/UYQ-70(V) variants are not individually nomenclature. The variants are tailored to the respective mission of the host ship. The variants by ship class are identified below:

Variant	Class	Description
AN/USQ XXX Submarine Variants		
(V)X	SSBN, SSGN	ECS MAIN ECS DPS
(V)X	SSN (Seawolf Class)	ECS MAIN ECS DPS
(V)X	SSN (Virginia Class) FLT I & II	ECS MAIN ECS DPS
(V)X	SSN (Virginia Class) BLK III	ECS MAIN ECS DPS

(V)X

SSN 688

ECS MAIN
ECS DPS**Fielded Quantities By Variant:**

System(s) / Equipment	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	Total
OHIO Class / Future Workstations	2	4	4	8	6	6	6	6	42
SEAWOLF Class / Future Workstations	0	0	2	0	4	0	0	0	6
VIRGINIA Class (Flights I & II) / Future Workstations	0	2	2	4	6	6	0	0	20
VIRGINIA Class (Block III) / Future Workstations	2	2	4	4	4	0	0	0	16
LOS ANGELES Class / Future Workstations	4	10	16	18	18	18	10	0	76

Resource Capability Requirements:

Supplier resources must have demonstrated experience and expertise in producing hardware with the following characteristics as well as providing supporting engineering services:

Production:

Production and integration of hardware components including ECS Main and DPS, feature KITSUBECS01-ECS MAIN and KITSUBECS02-ECS DPS, respectively. Includes production and integration of supporting components including cables, card assemblies, etc.

Engineering:

Demonstrated Engineering experience required encompasses system engineering, design, integration, interfaces, networking, environmental testing, development of engineering drawings, qualification testing including End of Life engineering in support of production hardware.