

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2010

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSEWIDE/2

P-1 ITEM NOMENCLATURE
COMMUNICATIONS EQUIPMENT AND ELECTRONICS

COST (In Millions \$)

Prior Years	FY 2009 Baseline	FY 2009 OCO	FY 2009 Total Request	FY 2010 Baseline	FY 2010 OCO	FY 2010 Total Request	FY 2011 Baseline	FY 2011 OCO	FY 2011 Total Request	FY 2012	FY 2013	FY 2014	FY 2015
Quantity													
1,451.626	75.846	7.316	83.162	54.910	2.000	56.910	58.390	9.417	67.807	79.935	99.202	79.884	74.911

MISSION AND DESCRIPTION: The Communications Equipment and Electronics line item provides for communication systems to meet emergent requirements to support Special Operations Forces (SOF). The SOF mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. SOF units require communications equipment that improves their warfighting capability without degrading their mobility. Therefore, SOF Communications Equipment and Electronics is a continuing effort to procure lightweight, efficient and interoperable SOF Command, Control, Communications, and Computer (C4) capabilities. The associated RDT&E funds are in Program Elements 1160404BB and 1160474BB.

United States Special Operations Command (USSOCOM) has developed an overall strategy to ensure that Command, Control, Communications, Computer and Intelligence (C4I) systems continue to provide SOF with the required capabilities throughout the 21st century. USSOCOM's C4I systems comprise an integrated network of systems providing positive command and control and the timely exchange of intelligence and threat warning to all organizational echelons. The C4I systems supporting this new architecture employ the latest standards and technology by transitioning from separate systems to full integration within the Global Information Grid (GIG). The GIG infosphere is a multitude of existing and projected national assets that allows SOF elements to operate with any force combination in multiple environments. The ultimate objective is to have all systems interoperable with GIG. The C4 programs funded in this procurement line meet annual emergent requirements and are grouped by the level of organizational element they support: Operational Element (Team), Above Operational Element (Deployed) and Above Operational Element (Garrison).

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ABOVE OPERATIONAL ELEMENT (DEPLOYED)

1. SOF Deployable Node is a family of satellite communications assemblages that includes the following subprograms: heavy, medium, light, and Evolutionary Technology Insertions (ETI), as well as a capital equipment replacement program. The heavy system consists of the deployable multi-channel SATCOM (DMCS) terminal and the switching system capable of providing all SOF missions wide-area connectivity through SOF strategic entry points and commercial teleports. The medium is a deployable, lightweight, multi-channel SATCOM assemblage that provides classified and unclassified voice, data, VTC, and video services to an early entry team of 5-15 SOF personnel. The medium system fills the gap between light and the heavy. The light system is a ruggedized, portable communications package that provides access to the SOF Information Enterprise and the GIG but on a smaller scale than the heavy or medium. It supports liaison elements and operational teams of 1-4 SOF personnel. The SDN family of systems was formally called SOF Tactical Assured Connectivity Systems (SOFTACS).

FY 2011 PROGRAM JUSTIFICATION: Procures 251 light systems, 6 medium systems, and 2 heavy systems as well as supporting the capital equipment replacement program and ETIs.

FY 2011 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures 1 SDN medium, 1 SDN Vx, and 12 SDN extended packages.

2. Joint Base Station is an evolutionary acquisition program to procure the most current technological, tactical, Command and Control (C2) communications system to provide the radio communications capability for deployed and forward-based SOF and Theater Special Operations Commanders supporting Overseas Contingency Operations (OCO) and other SOF activities. The projected solutions will consist of a full scale deployable and scalable transit case variant, a deployable downsized transit case variant, and a fixed base station variant. All variants will be capable of integrating existing and future USSOCOM approved radios and be compliant with the future Joint Tactical Radio System. This system interfaces, enhances, and combines multiple, single-channel radios into one integrated C2 suite. The variants will enable the SOF operational commander to exercise reliable, effective, and efficient C2 functions in real time in the extremely fluid and dangerous environments of today's world. Moreover, the system provides the SOF Commander and staff with the capability to send and receive voice, data, and messages

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among the inserted SOF warfighter and higher headquarters, liaison officers, other government agencies, and coalition partners. Program increased by FY 2004, FY 2005, FY 2006, and FY 2007 Supplemental funds. This program transitioned to the SOF Tactical Radio System line item in FY 2009.

FY 2011 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures one JBS RIS V2D, two JBS RIS V4s, and three JBS RIS V4 (Lites). FY11 Overseas Contingency Operations request was submitted erroneously in P1 line item Communications Equipment and Electronics. All other JBS funding is in P1 Line item SOF Tactical Radio Systems.

3. The Tactical Local Area Network (TACLAN) program provides SOF operational commanders and forward deployed forces advanced automated data processing and display capabilities to support situational awareness, mission planning and execution, and command and control of forces. The program consists of suites, mission planning kits and field computing devices. Each suite consists of three easily transportable, multiple integrated networks, 60 general use laptops and 10 intelligence laptops. A network contains commercial servers, routers, and hubs that can operate at user selectable classification levels [e.g., unclassified, collateral, coalition or Sensitive Compartmented Information (SCI) networks. A kit consists of laptop computers and ancillary equipment used by SOF teams for detailed mission planning. Field devices are small hand-held computing devices used by the most forward deployed SOF to automatically interface with the suite via tactical communications. Program increased by FY 2006 Title IX funds and FY 2008 Congressional adds.

FY 2011 PROGRAM JUSTIFICATION: TACLAN Advanced Special Operations Management System (ASOMS) funding supports a mature effort to be used extensively in overseas contingency operations. This system will consist of equipment/software fielded to the force and Field Support Representatives (FSRs) providing training in accordance with the CONPLAN 7500 operations.

ABOVE OPERATIONAL ELEMENT (GARRISON)

4. SCAMPI is the telecommunications system that disseminates information between Headquarters (HQ) USSOCOM, SOF deployed forces, component commands and major subordinate units, the Theater Special Operations Commands (TSOCs), and selected government agencies and

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activities directly associated with the special operations community. SCAMPI is not an acronym--it is the term identified with this enterprise telecommunications capability. SCAMPI is the principal medium to SOF units for SOF garrison and all SOF tactical systems. SCAMPI provides secure voice, data, and VTC, on various classification levels, to world-wide deployed and strategic SOF locations; Operational SCAMPI equipment provides connectivity to global C, KU and X-Band satellite services to deployed SOF units; rapid secure communications to SOF Special Mission Units; and access to other government agencies and SOF specific information services. This program is undergoing technological migration to remain standards compliant and to improve interoperability with DOD by transitioning to Defense Information Systems Network (DISN) transport services where available. Program increased by FY 2003, FY 2005, FY 2006 and FY 2007 Supplemental funds.

FY 2011 PROGRAM JUSTIFICATION: Procures nine critical node replacements/retrofits for garrison sites, three tactical gateway SOF strategic entry points, and one full motion video ETI.

5. The Video Teleconferencing program provides new communications media for Command and Control (C2) that allows military commanders, distant subordinate commands, and tactical forces to come together electronically, face-to-face, in a fully interactive two-way audio/video environment. The systems utilize bandwidth-on-demand as required for both point-to-point and multipoint conferencing. USSOCOM systems provide real-time positive C2 for planning and execution of the command's global missions, contingencies, and exercises; distance learning; administrative coordination and collaboration; and telemedicine. The garrison/deployable network currently consists of interoperable, JTA-compliant systems operating at 384 Kbps via the SCAMPI network [both collateral and Sensitive Compartmented Information (SCI)], linking HQ USSOCOM, Joint Special Operations Command, TSOCs, component commands, and SOF units. SOF capabilities can be extended by facing interfacing via video gateways to the JWICS and the DISN Video Services System.

FY 2011 PROGRAM JUSTIFICATION: Procures two critical multi-point conferencing unit replacements.

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6. Unmanned Aerial Vehicle Payload. The Joint Tactical C4I Information Transceiver System (JTCITS) Increment II will be a next-generation replacement for the Increment I (ROVER III/IV) systems that were fielded in FY 2006-2009. The Increment II systems will consist of a fixed-mount form factor designed for integration into ground/airborne/seaborne platforms, and a dismount form factor designed for handheld use.

FY 2011 PROGRAM JUSTIFICATION: Procures 76 systems.

Appropriation/Budget Activity - 0300/BA2

Procurement Items	Contractor and Location	ID Code	PYS		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. SOF DEPLOYABLE NODE	Space and Naval Warfare Systems Center, Charleston, SC									
A. Heavy Hardware			43	83,938	1	3,915	3	6,103	2	4,395
(1) Capital Equipment Replacement Program (CERP)			4	6,230	5	12,448	4	8,548		
(2) Evolutionary Technology Insertion (ETI)				24,715		4,951				
(3) Initial Spares/Repair Parts				752		1,918				
(4) Initial Training				350		733				
B. Medium Hardware	Space and Naval Warfare Systems Center, Charleston, SC		125	48,330	24	10,338	5	2,233	9	3,716
(1) CERP							16	6,707	27	11,326
(2) Initial Spares/Repair Parts				3,493		1,918				
(3) Initial Training				2,190		903				
C. Light Hardware	Space and Naval Warfare Systems Center, Charleston, SC				228	12,542	173	9,537	251	13,738
(1) CERP						172			10	634
D. Light-Variant x										
(1) DVB-RCS Suites			13	2,600						
(2) Vx (Capability)			52	14,124						
(3) Congressional Add Up/Vx (Capability)					33	5,982				
E. Comms On-the-move ETI	Charleston, SC							2,056		1,434
F. Full Motion Video ETI	Charleston, SC							2,096		2,021
G. Supplemental/Overseas Contingency Operations (OCO)										
(1) SDN-Vx			19	3,900	38	7,316			16	3,616
(2) SDN-Medium									1	423
(3) SDN-Extended Package (EP)									12	2,148
Subtotal				190,622		63,136		37,280		43,451
2. JOINT BASE STATION										
A. Transit Case Variant Hardware	NAWCAD, Patuxent River, MD		54	112,357						
(1) Initial Spares/Repair Parts				50						
(2) Initial Training				15						
B. Lightweight Transit Case Hardware	NAWCAD, Patuxent River, MD		25	9,988						
C. Overseas Contingency Operations (OCO)										
(1) JBS RIS V2D									1	1,200
(2) JBS RIS V4									2	812
(3) JBS RIS V4 (Lite)									3	1,218
Subtotal				122,410						3,230
3. TACTICAL LOCAL AREA NETWORK										
A. Field Computing Devices	iGov Technologies, Tampa, FL		2,938	14,619						
B. Suites	iGov Technologies, Tampa, FL		94	31,766						
(1) Block II CERP	iGov Technologies, Tampa, FL		48	12,960						

Exhibit P-40A, Budget Item Justification for Aggregated Items COMMUNICATIONS EQUIPMENT & ELECTRONICS						Date: FEBRUARY 2010				
Appropriation/Budget Activity - 0300/BA2										
Procurement Items	Contractor and Location	ID Code	PYS		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
C. Laptops	iGov Technologies, Tampa, FL		3,587	8,508						
D. Miscellaneous Tactical ADP	iGov Technologies, Tampa, FL			9,257						
E. TACLAN Advanced Special Operations Management Sys (ASOMS)	iGov Technologies, Tampa, FL									498
Subtotal				77,110						498
4. SCAMPI										
A. Node Optimization/Retrofits/CERP	Space and Naval Warfare Systems Center, Charleston, SC		68	27,106	12	7,845	8	5,874	9	6,785
B. Deployable Node Lite	Space and Naval Warfare Systems Center, Charleston, SC		217	13,901						
C. Red Switch Upgrade	Space and Naval Warfare Systems Center, Charleston, SC		9	10,607						
D. Tactical Gateways (New/Upgrades)	Space and Naval Warfare Systems Center, Charleston, SC and Naval Air Systems Command St Inigoes, MD		6	5,078						
(1) SOCOM Strategic Entry Points CERP	Space and Naval Warfare Systems Center, Charleston, SC and Naval Air Systems Command St Inigoes, MD		10	27,301	2	2,127	2	2,762	3	4,086
E. Node - New Site	Space and Naval Warfare Systems Center, Charleston, SC		6	10,595	4	3,079				
F. Full Motion Video ETI	TBD						1	2,010	1	1,653
G. Media Ports	TBD									553
H. Ancillary Equipment								230		680
I. Overseas Contingency Operations (OCO)/Title IX								2,000		
Subtotal				94,588		13,051		12,876		13,757
5. VIDEO TELECONFERENCING										
A. Multipoint Conferencing Unit Garrison	Polycom, Andover, MA		4	2,590	3	1,448	2	982	2	1,381
B. Deployable	Tandberg, Mclean, VA		15	640						
Subtotal				3,230		1,448		982		1,381
6. UNMANNED AERIAL VEHICLE PAYLOAD										
A. Joint Tactical C41 Transceiver System										
(1) Display Device (Increment I)	L-3 Comm Systems-West, Salt Lake City, UT		177	5,257	158	5,527				
(2) Display Device (Increment II)	TBD						79	5,772	74	5,490
Subtotal				5,257		5,527		5,772		5,490
Prior Year Funding				958,409						
Prior Year Non-Add DERF				139,432						
LINE ITEM TOTAL				1,451,626		83,162		56,910		67,807

