

DEFENSE INFORMATION SYSTEMS AGENCY (DISA)
Contingency Operation(s): Operation Enduring Freedom/Operation Iraqi Freedom
Operation and Maintenance, Defense Wide
Budget Activity 04
Administrative and Service-Wide Activities

I. Description of Operations Financed: The Defense Information Systems Agency (DISA) is the combat support agency that plans, engineers, acquires, fields, and supports global net-centric solutions to serve the needs of the President, Vice-President, the Secretary of Defense, warfighters and other Department of Defense (DoD) Components, under all conditions of peace and war. The DISA provides telecommunications and information technology services common to the DoD components more effectively, economically, and efficiently than they could do individually. In support of the DoD goals for net centricity and interoperability, the DISA provides products and leads activities that enable jointness. The DISA's responsibilities include:

- (1) Providing effective enterprise services to support contingency and wartime planning with the Joint Staff (JS) and the Combatant Commands (COCOMs),
- (2) Maintaining effective communications for deployed elements in Afghanistan, Iraq, Kuwait, and Qatar in support of Overseas Operations - Operation Enduring Freedom (OEF) and Operation Iraqi Freedom (OIF), and
- (3) Protecting the Global Information Grid (GIG), including telecommunications, information systems, and information technology that process unclassified, sensitive and classified data.

The FY 2010 supplemental funding request supports:

- **DISN Support:** Sustainment of Defense Information System Network (DISN) customer transport, data, voice, and video requirements from Central Command (CENTCOM), Special Operations Command (SOCOM), and Europe Command (EUCOM) to provide continuous critical telecommunications capability in support of the OEF and OIF.
- **Commercial SATCOM leases:** Sustainment of direct, critical communication links for CENTCOM, SOCOM, and warfighters operating in the Central Area of Responsibility (AOR).

- | CBS No. | CBS Title | FY 2008 Cost of War | FY 2009 Bridge | FY 2009 Remaining | FY 2009 Total | FY 2010 Total |
|---------|--|---|----------------|-------------------|---------------|---------------|
| • | <u>Digital Video Broadcast is a Return Channel Satellite (DVB-RCS) system:</u> | Sustainment of the CENTCOM Digital Video Broadcast - Return Channel Satellite (DVB-RCS) system. | | | | |
| • | <u>Field Office/TNC Support:</u> | Sustainment of NetOps support to CENTCOM by the DISA CENT Field Office and CENTCOM TNC to provide situational awareness (SA) required by COCOM/Component leadership. | | | | |
| • | <u>Standardized Tactical Entry Point (STEP) Program:</u> | Sustainment of the STEP program in CENTCOM AOR. | | | | |
| • | <u>NCES Information Dissemination Management/Content Staging (IDM/CS) and Delivery Services:</u> | Sustainment of hardware and software as well as onsite subject matter expertise at the IDM/CS server sites fielded to the primary and supporting CENTCOM locations in the continental U.S. (CONUS) and the CENTCOM AOR. | | | | |
| • | <u>Global Command and Control System – Joint (GCCS-J) Integrated Imagery and Intelligence (I3):</u> | Software development and fielding in support of CENTCOM’s critical intelligence requirements. | | | | |
| • | <u>Information Assurance:</u> | Information assurance (IA) support to the COCOMs within their AOR. | | | | |
| • | <u>Special Operations Command (SOCOM), and Europe Command (EUCOM):</u> | Continuous critical telecommunications capability in support of the OEF and OIF. | | | | |

II. Financial Summary (\$ in Thousand)

CBS No.	CBS Title	FY 2008 Cost of War	FY 2009 Bridge	FY 2009 Remaining	FY 2009 Total	FY 2010 Total
1.0	Personnel	525	8	2,492	2,500	5,000
2.0	Personnel Support	534	450	0	450	850
3.0	Operating Support	149,245	30,642	116,213	46,855	239,267
	Totals	\$150,304	\$31,100	\$118,705	\$149,805	\$245,117

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A. <u>Subactivity Group Subactivity Group: DISN OEF and OIF Support</u>						
1.	3.0/Operating Support	\$57,209	\$0	\$72,885	\$72,885	\$121,003

Narrative Justification: Currently DISA Network Services Defense Information Systems Network (DISN) buys transport backbone terrestrial bandwidth, Full Time Equivalent (FTEs), and maintenance to support Southwest Asia (SWA) with continuous critical telecommunications capability in support of OSD, JS, COCOMs, Military Departments, and other government agencies. Funding provides for the operations of the SWA Video Hub as the DoD transitions from Iraq to Afghanistan, out-of-hours incremental costs, and on-site subject matter experts at COCOMs and NetOps Centers. Changes in O&M funding are as follows:

- +\$17,218 thousand of new inter/intra theater terrestrial bandwidth in the SWA AOR will expand the CENTCOM transport and alleviate congestion associated with high utilization on existing bandwidth and establish diverse routing
- +\$17,800 thousand of new terrestrial bandwidth to expand the CENTCOM transport to support the buildup of forces in Afghanistan
- +\$13,100 thousand for terrestrial bandwidth, video support, and FTE's to support current capabilities

Impact if not funded: The immediate impact will be reduced DISN services directly to the SWA Theater. Long term impacts will be the loss of command and control capabilities in theater and termination of transport leases for CENTCOM.

B. <u>Subactivity Group: Commercial SATCOM leases – OEF and OIF</u>						
1.	3.0/Operating Support	\$22,031	\$13,591	\$10,409	\$24,000	\$16,200

Narrative Justification: The DISA funds leases for four commercial satellite transponders that provide 576 MHz of bandwidth for the critical direct communication links for CENTCOM, SOCOM, and warfighters operating in isolated locations in the CENTCOM AOR and provides redundancy to terrestrial transmission connectivity. These transponders provide multiple OEF sites with critical delivery of Inter-Theater communications/network support of communications services from CONUS and European nodes into the OEF Theater, i.e. direct and critical support to OEF HQs locations throughout Kuwait, Afghanistan, UAE, etc. In some cases, they provide a sole source of C4 capabilities to deployed warfighters. The FY 2009 Bridge funding renewed yearly SATCOM leases for two key contracts while the remaining funds will renew leases due in later quarters. From FY 2009 to FY 2010, the SATCOM decreased \$7,800 thousand due to agreements between CENTCOM and the Army to shift to Army funding for two of the four transponders.

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Impact if not funded: The commercial transponders leases are essential to continue effective delivery and network support of the current CENTCOM Strategic backbone architecture supporting OEF. Failure to continue support for these transponders would cause a significant disruption of command and control of CENTCOM, its components/Services (ARCENT/CENTAF), and the Combined/Joint Task Force (CJTF-82) in the OEF. The short term impact will be reduced DISN into the theater. Long term impact will be loss of overall theater command and control capabilities.

C. Subactivity Group: Digital Video Broadcast-Return Channel Satellite (DVB-RCS) system –OEF and OIF

1. 3.0/Operating Support		\$ 19,598	\$4,000	\$2,441	\$6,441	\$30,793
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Narrative Justification: The DVB-RCS provides for:

- Tier 1-2-3 help desk support for 68 deployed DVB-RCS terminals;
- Renewal of equipment warranties;
- Renewal of software licenses;
- Refresher training;
- System security updates;
- System equipment sparing;
- Configuration management of the hub and subscriber suites;
- Funding for renewal of satellite transponder lease;
- Integration of system status with Incident Management System (INMS) and Tactical Message System (TMS);
- Engineering technical assistance on an architecture for dissemination of the new video feeds through Langley AFB; and
- Engineering assistance on building a remote interface to provide detailed system status to CENTCOM.

Funding will support:

- The operations of the DVB-RCS Hub, deployed suites in the CENTCOM AOR, and all Tier 1, 2, and 3 costs, spares, licenses, warranties, and transponder lease costs. The system is the primary backhaul and dissemination method for the majority of the tactical UAV Video, primary real-time delivery of Geospatial Information (typically very large files), and SIPRNET remote access for the deployed Warfighter.
- The DISN Deployable Node to migrate DOD applications, services, and networks to a common infrastructure. The common network layer interfaces between terrestrial, satellite, and wireless transport networks.
- Planning, management, and monitoring of converged SATCOM Services supporting forward deployed units and working toward transitioning from commercial satellites to government satellite systems. The systems that will be

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managed include Teleport Generation II (Net Centric capabilities), DVB-RCS, and DISN/STEP-TE. These systems were fielded in response to increased demand for satellite communications services, and are critical to meet the command, control, and communications needs in the central region.

The funding increase for DVB-RCS supports CENTCOM requirements and deployed forces in the SWA:

- +\$10,450 thousand for the renewal of two transponders (EB4 and W6) providing 216 MHz of satellite bandwidth;
- +\$10,102 thousand to provide manpower for management of IP SATCOM Convergence capabilities at DoD Gateways (Teleport Generation II (Net Centric IP capabilities), DVB-RCS, and DISN/STEP-TE) in support of forward deployed expeditionary units; and
- +\$3,800 thousand for DISN Deployable Node to provide a common deployable infrastructure for deployed satellite terminals providing DISN services.

Impact if not funded: A consolidated transport mechanism is needed to provide DISN services to the CENTCOM AOR. Stovepipe, stand alone solutions would be deployed, making operations and management difficult, and communications inefficient and costly, from a global network operations standpoint. Significant space is required to support the additional equipment, and space at the DoD Gateways is limited.

D. Subactivity Group: Field Office/TNC Support – OEF and OIF

1. 1.0/Personnel	\$525	\$8	\$2,492	\$2,500	\$5,000
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Narrative Justification: The DISA will fund civilian pay (incremental pay and allowances), to support the DISA Central Field Command which includes the DISA Central Theater NetOps Center (TNC), DISA Europe, DISA CONUS, and DISA HQs. These civilians perform operations and technical tasks for combat support and are required to support the accelerated pace of operations in the Central Region and organizational support to DISA CENT and DISA HQ.

Civilian pay increases \$2,500 thousand in FY 2010 to support and establish the DISA Support Element – Afghanistan. Increased personnel support and oversee the implementation of new terrestrial bandwidth to expand the CENTCOM transport of the forces buildup in Afghanistan.

Impact if not funded: The DISA CENT, Central TNC, and above referenced Field Commands would not be able to provide situational awareness and technical support for all services end-to-end across the Tactical Information Grid (TIG) and COCOM Headquarters. The DISA would need to reprioritize resources to avoid any adverse impacts to the performance of the Central Region infrastructure. The resources to detect, diagnose, and restore services would be inadequate to

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mitigate the impact to the warfighter. The warfighter requires a theater-wide, real-time communications infrastructure to provide secure and timely access to the DISN, and situational awareness of all levels of the infrastructure. The DISA CENT, Central TNC, and DSE's require the technical staff to provide robust situational awareness to ensure that critical communications services are positively managed and controlled down to the warfighter.

2.	2.0/Personnel Support	\$534	\$450	\$0	\$450	\$850
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Narrative Justification: The DISA will fund temporary duty (TDY) to support the missions of the CENTCOM AOR. This TDY will support the current pace of operations in the Central Region. The personnel provide combat support to current operations and technical tasks in theater. The increase will pay for the DISA Support Element – Afghanistan. Increased personnel travel is needed in-country to oversee the implementation of new terrestrial bandwidth to expand the CENTCOM transport for the forces buildup in Afghanistan.

Impact if not funded: The DISA CENT, Central TNC, and Field Commands are not resourced for situational awareness and technical TDY support for all end-to-end services across the Tactical Information Grid (TIG) and COCOM Headquarters. The DISA would need to reprioritize resources to mitigate adverse impacts to the performance of the Central Region infrastructure and warfighter. The TDY resources allow personnel to travel to the CENTCOM AOR to detect, diagnose, and restore services.

3.	3.0/Operating Support	\$11,909	\$5,507	\$5,793	\$11,300	\$12,027
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Narrative Justification: The DISA will fund critical contractor support to the DISA Central Field Command, the DISA Central Theater NetOps Center (TNC), DISA Europe, DISA CONUS, and DISA HQs. These contractors are required to support operational and technical tasks providing combat support services. The increase funds contractor support to establish the DISA Support Element – Afghanistan. Additional personnel are needed in-country to oversee the implementation of new terrestrial bandwidth to expand the CENTCOM transport in support of forces buildup in Afghanistan.

Impact if not funded: The DISA CENT, Central TNC, and above referenced Field Commands are not resourced to provide situational awareness and technical support for all services end-to-end across the TIG and COCOM Headquarters. The DISA would need to reprioritize resources to avoid adverse impact to the performance of the Central Region infrastructure. The inadequate resources to detect, diagnose, and restore services would negatively impact the warfighter.

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<u>E. Subactivity Group: Standardized Tactical Entry Point (STEP) Program OEF and OIF</u>						
1.	3.0/Operating Support	\$10,287	\$2,381	\$4,909	\$7,290	\$12,815

Narrative Justification: The DISA STEP sustains DISN circuits and equipment infrastructure supporting the CENTCOM AOR from sites located in the SWA Theater, Europe, Pacific and Conus that extend secure, converged IT services, networks, and applications across wireless mediums in a seamless environment. The increase supports CENTCOM and deployed forces requirements in the SWA AOR. Funding for the STEP Tactical Edge will sustain Joint Communications Support Element (JCSE) upgraded suites, provide Defense-in-Depth for the DISN Core, and provide direct interfaces with Information Assurance (IA) capability to deployed customers not using the converged IP suites. This support will provide a seamless IP circuit support to CENTCOM and the tactical user for mission planning, critical supply support, and related wartime functions.

Impact if not funded: The tactical commander needs the ability to obtain real-time DISN service extensions for mission planning, critical supply support, and related wartime functions. The anticipated large deployment of critical Ground Mobile Forces (GMF) covering a vast area of the SWA AOR with increased missions and mission support is crucial to troop movements at the DISN gateway locations. This gateway provides the command and control architecture for life sustainment needs at remote locations.

<u>F. Subactivity Group: NCES Information Dissemination Management/Content Staging (IDM/CS) and Delivery Services – OEF and OIF</u>						
1.	3.0/Operating Support	\$8,894	\$5,163	\$4,307	\$9,200	\$17,201

Narrative Justification: The DISA NCES provides the on-site FTE support to maintain, sustain and operate IDM/CS, Electronic File Delivery (EFD), and GIG Content Delivery Service (GCDS) capabilities required by CENTCOM to ensure dissemination of critical imagery, intelligence, and war-fighter information.

The increase provides for IDM/CS and delivery services support requirements to CENTCOM and the deployed forces in the SWA AOR. Funding will expand the current GCDS for NIPRNet and SIPRNet content and services delivery support to the tactical user at the edge in forward locations. The funding sustains CENTCOM Adobe connect e-Collab enclave and buys six additional edges to the GCDS NIPRNet and SIPRNet, additional application services, network security, engineering, improved NetOps monitoring, reporting tools, and storage repositories.

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This funding support will provide network-centric information awareness, access, and smart pull of raw, refined, and finished information holdings at the combatant command and information producer locations. Also, the on-site subject matter expertise is critical to support information producers and consumers to rapidly discover, access, and deliver actionable information using IDM/CS and NCES Content Discovery and Delivery services. The CENTCOM mission requirements are to ensure dissemination of critical imagery, intelligence, and war-fighter information. The file/directory replication capability will support split-based operations between CENTCOM and CDHQ in Qatar via multiple transmission paths, including DISN and the Global Broadcast Service (terrestrial and satellite). The GCDS support involves supporting placement of CENTCOM designated web and application content on the GCDS infrastructure. The benefits of the GCDS capability are that the web/application must be configured to run on the GCDS infrastructure. Content owners continue to see benefits using GCDS with availability increased from 97.6 percent to 99.5 percent on SIPRNET. Feedback from CENTCOM is that the “technology has exceeded our expectations. In nearly every case, we are seeing content that ordinarily took minutes to download, now taking seconds. In the best cases, improvements are orders of magnitude faster.”

Impact if not funded: The ability to maintain, sustain and operate the NCES capabilities required by CENTCOM to ensure dissemination of critical imagery, intelligence, and war-fighter information within the CENTCOM AOR, to the Joint Staff, Joint Task Force, and Forward Component Commands at the strategic, operational, and tactical levels of war would be curtailed or terminated.

G. Subactivity Group: Global Command and Control System – Joint (GCCS-J) Integrated Imagery and Intelligence (I3) OEF and OIF

1. 3.0/Operating Support	\$18,913	\$0	\$14,682	\$14,682	\$23,612
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Narrative Justification: The DISA GCCS provides highly trained and experienced GCCS-J I3 system administrators and functional training operators at the combatant commands and forward deployed sites in Iraq, Afghanistan, Horn of Africa, and other expeditionary focus sites as directed by CENTCOM. The DISA maintains the current software and accreditation efforts to provide a Cross Domain Services (CDS) as requested by CENTCOM.

The system enables U.S. and NATO forces to share situational awareness of individuals, events, and organizations between Army ASAS-Lite systems and the joint system of record, GCCS I3. This is in addition to sharing dynamic force tactical dispositions among all participants. The CDS solution will reduce the hardware footprint and process complexities now required for information sharing with coalition partners. Funding will continue the maintenance/updates of other ongoing

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software enhancements in support of the Stability and Sustainment Operations (SASO) requirements. The GCCS-J I3 increases will support personnel to satisfy CENTCOM requirements and deployed forces in the SWA AOR:

- +\$5,730 thousand to expand on-site personnel in Kabul, Bagram and stand-up the forward operating bases and the Kandahar Intelligence Fusion Center to support GCCS-J I3 capability across seven security domains. Increase personnel resources in AFG from 12 to 36 to achieve these objectives; and
- +\$3,200 thousand to sustain and enable access to new Army, NATO, coalition and Intel reporting systems: GALE Lite, CIDNE, NATO/ISAF.

Impact if funds are not provided: The current support cannot be sustained. New operational asymmetric warfare and cross-domain security requirements cannot be fielded. The GCCS-J I3 directly supports counter terrorism, force protection, and offensive operations in Iraq, Horn of Africa, Philippines, and Afghanistan. The GCCS-J I3 provides situational awareness and intelligence exchange between U.S. and Coalition forces in the U.S. SECRET, Coalition SECRET and Special Compartmented Intelligence (SCI) security domains. The termination of this support infrastructure will disrupt the U.S./Coalition command, control, and intelligence capability to support security and stability operations in Iraq, Horn of Africa, Philippines and Afghanistan. The consequent degradation of operational intelligence will increase risks to all U.S. and Coalition forces worldwide.

H. Subactivity Group: Information Assurance – OEF and OIF

1. 3.0/Operating Support	\$584	\$0	\$1,057	\$1,057	\$5,616
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Narrative Justification: The DISA requests funding for IA support for CENTCOM that includes network architecture support to strengthen defense-in-depth and Information Assurance Reviews within CENTCOM AOR (HQ and SWA). The \$700 thousand request will allow DISA to satisfy the CENTOM request of IA support for the scope (number of sites), complexity (due to coalition operation), frequency (changing infrastructure), and accelerated coverage (greater priority of the mission). The increase is due to the acceleration in operations leads. The program changes include:

- +\$4,280 thousand for the Virtual Training Environment (VTE). A COTS web-based training capability and knowledge library for Information Security, Forensics, and Incident Response. The DISA has funded approximately 20,000 VTE accounts for use by DoD IA Professionals in accessing over 20 on-line IA training courses tailored to the DoD environment, which includes an extensive library of IA/IT technical training, virtual instructor support, and hands-on labs with online mentoring. Transitioning VTE from a commercial site to the SIPRNet will provide the capability to

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forward forces, forces deployed to SWA, and world-wide afloat forces with no other online access and eliminate bandwidth issues. Additionally, VTE on SIPRNet will provide a platform to deliver training content that is classified;

- +\$700 thousand to provide IA support to the COCOMs to accelerate the scope, complexity, frequency, and acceleration of IA support; and
- \$-400 thousand Gold Disk program completion created an offset.

Impact if not funded: This funding is needed to satisfy CENTCOM IA support requirements to forces afloat and deployed to SWA that will not have sufficient access to the critical training, labs, and mentoring necessary to effectively protect DoD information and information systems. This causes greater vulnerability of data being compromised and services of needed systems denied.

Total		\$150,304	\$31,100	\$118,705	\$149,805	\$245,117
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