Defense Information Systems Agency
FY 2013 Military Construction, Defense-Wide
($ in thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Germany				
Patch Barracks, Stuttgart				
DISA Europe Facility Upgrades	2,413	2,413	C	7
Illinois				
Scott Air Force Base				
DISA Global NetOps Support Center Facility Upgrade	84,111	84,111	C	11
Total	**86,524**	**86,524**		

1. COMPONENT	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE
The Defense Information Systems Agency		February 2012

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTRUCTION COST INDEX
DISA Europe, Patch Barracks, Stuttgart, Germany	Defense Information Systems Agency	$2,413

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY										

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE	N/A
b. INVENTORY TOTAL AS OF	N/A
c. AUTHORIZATION NOT YET IN INVENTORY	N/A
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	$2,413
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	$2,413
f. PLANNED IN NEXT THREE PROGRAM YEARS	
g. REMAINING DEFICIENCY	N/A
h. GRAND TOTAL	$2,413

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATGEGORY			b. COST *($000)*		
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		DESIGN START	STATUS COMPLETE
1311	DISA Facility Upgrades	Various Projects	$2,413	Jan 12	Apr 14

9. FUTURE PROJECTS

Category Code	Project Title	Cost
Various	DISA Field Commands Upgrades	$4,826

10. MISSION OR MAJOR FUNCTIONS

There are twelve DISA Field Commands co-located with the Combatant Commands and their missions are to plan, field, and support Global Net-Centric solutions that serve the needs of the Combatant Commander, and other DoD components within their regions. MILCON recourses will be used to address various construction projects for DISA CONUS and OCONUS locations.

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11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	$0

1. COMPONENT	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
The Defense Information Systems Agency		February 2012	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DISA Europe, Patch Barracks, Stuttgart, Germany	**DISA Europe Facility Upgrades**

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0303148K	131-111	DISA 13-01	**$2,413**

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				
Install Uninterrupted Power Supply (UPS) paralleling gear and electrical gear system Bldg 2340	LS	–	–	$2,089
Sub Total				$2,089
Contingency (5%)				**$104**
Design (4%)				**$84**
SIOH (6.5%)				**$136**
Sub Total				**$324**
TOTAL REQUEST				**$2,413**
EQUIPMENT FROM OTHER APPROPRIATIONS (Non-ADD)				**($4,000)**

10. **DESCRIPTION OF PROPOSED WORK**: Replace/upgrade of UPS and parelleling gear to provide minimum redundancy.
The Uninterruptible Power Supply (UPS) systems were installed between 1996 and 2002. Since their installation, this equipment has received marginal preventative maintenance from the Base Public Works Department. This system needs to be upgraded and replaced if it is to be counted upon to reliably support and maintain the current and future workload at the site. This project is to replace and upgrade the UPS system for the site. This new system will incorporate the newest in technology and industry practices, providing the site with reliable and predictable support to meet existing and potential future workload. This new configuration will provide the required minimum redundancy for the raised computer floor 2N, in accordance with the approved Facilities Standards for raised floors. Due to physical constraints the system will need to be replaced to meet mission requirements. The existing UPS system will be upgraded adding redundancy by separating the A and B Bus which allows electrical equipment to be hooked to two different power sources. The two power lines will run in parallel and carry power to the power distribution units. In case of one line failure the other line carries power to equipment without an interruption. In today's environment the demand for reliable power is greater than ever before. The replacement of the 110v UPS system, which consists of 4 x 250 kVA, will be replaced with 2 x 300kVA with associated batteries with a smaller more right sized capacity and will overall increase the redundancy and reliability for the entire site and the DISA Europe/Operations Directorate's mission.

11. **REQUIREMENT:**
PROJECT: The intended use of funds will address the electrical system deficiencies for DISA Europe Patch Barracks Headquarters.

CURRENT SITUATION: DISA Europe Headquarters has several building add-ons. The Patch Barracks facility was constructed in 1936 and 1937 as a tank facility. DISA Europe occupies building 2340, 2341 and annexes, which they have occupied since the early 1980's (formerly known as Defense Communications Agency). The buildings were never designed or adequately updated to perform as a modern systems facility. The facility currently has an Uninterrupted Power Supply (UPS) to ensure no single point of failure. The 110v system consists of 4 each 250kVA UPS units which transform to supply 60Hz power to the building and certain crypto equipment that DISA Europe/Operations Directorate utilizes. This system is at its useful life expectancy.

IMPACT IF NOT DONE: DISA Europe Impact: Funding is required to replace four (4) existing and lifecycle aged 110V (250kVA) UPS Systems with two (2) - 300kVA UPS. The 110V UPS supports critical transport communications fiber optic and multiplexer equipment of a central node of the European Global Information Grid (GIG), and 24x7 Network Operations tools and management capabilities of the European DISA Network Operations Center. In commercial power outages, loss of UPS power will not allow for back-up power to seamlessly provide service to the warfighting customers. There will be communications circuitry interruptions and subsequent equipment outages affecting real-time BMD, NGA, and Predator circuits, along with a significant blind gap in communications network management of over 6,000 circuits affecting the EUCOM, AFRICOM, and CENTCOM areas of operation. With DISA Europe directly supporting ongoing warfighting operations in CENTCOM and AFRICOM, not replacing the UPS presents a high risk of warfighter mission failure.

1. COMPONENT	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
The Defense Information Systems Agency		February 2012	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DISA Europe, Patch Barracks, Stuttgart, Germany	**DISA Europe Facility Upgrades**

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0303148K	1311	DISA 13-01	**$2,413**

IMPACT IF NOT PROVIDED

Without this project, DISA will be unable to safeguard against downtime to DISA Europe, and avoid the loss of irreplaceable data should an outage occur. Additionally, DISA Europe will continue to operate in facilities without adequate electrical systems. The electrical room, which is housed in the power plant, is the major source for the electrical systems which will not be cooled properly, negatively impacting their effectiveness to provide an uninterrupted power supply and the life cycle expectancy of these systems. The facility generator is currently a single non-redundant system with no internal parallel pathways. Any system that contains only one component to do a job creates a single point of failure. If that single component fails, there is no alternate to take its place.

12. **Supplemental Data:**

a. **Estimated design data**:	
(1) Status:	
(a) Date Design Started	Jan 12
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of 01 JAN 2013*	N/A
(d) Date 35% Designed *	Jun-12
(e) Date Design Complete	Oct-13
(f) Energy Study/Life-Cycle analysis was/will be performed	
(2) Basis	
(a) Standard or Definitive Design	
(b) Where Design was most recently used	YES
(3) Total Cost (c) = (a) + (b) or (d) + (e):	
(a) Production of Plans and Specifications	($2,413)
(b) All other Design Costs	
(c) Total	
(d) Contract	$2,413
(e) In-house	
(4) Construction Contract Award	Dec 12
(5) Construction Start	Jan 13
(6) Construction Completion	Apr 14

- Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope. Cost and executability.

b. **Equipment Data:** equipment associated with this project provided from other appropriations.

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APROPRIATED OR REQUESTED	
(1) INSTALLED EQT		2014	$4,000
(2) FURNITURE		N/A	000
(3) MOVE IN		N/A	000

1. COMPONENT The Defense Information Systems Agency	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE February 2012	REPORT CONTROL SYMBOL

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DISA Europe, Patch Barracks, Stuttgart, Germany	**DISA Europe Facility Upgrades**

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0303148K	131-111	DISA 13-01	**$2,413**

13. **JOINT USE CERTIFICATION:**

The Joint use certification is not required for DISA Combatant Command field office construction projects.

1. COMPONENT	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE
The Defense Information Systems Agency		February 2012

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTRUCTION COST INDEX
DISA CONUS, Scott Air Force Base, Illinois	Defense Information Systems Agency	$84,111

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY										

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE	N/A
b. INVENTORY TOTAL AS OF	N/A
c. AUTHORIZATION NOT YET IN INVENTORY	N/A
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	$84,111
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	$84,111
f. PLANNED IN NEXT THREE PROGRAM YEARS	$84,111
g. REMAINING DEFICIENCY	N/A
h. GRAND TOTAL	$84,111

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATGEGORY			b. COST *($000)*		
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		DESIGN START	STATUS COMPLETE
131-111	Global NetOps Support Center Facility	Information Systems Facility	$84,111	February 2012	December 2013

9. FUTURE PROJECTS

Category Code	Project Title	Cost

10. MISSION OR MAJOR FUNCTIONS

DISA-CONUS is responsible for planning, engineering, acquiring, implementing, fielding, and supporting global net-centric solutions by providing the day-to-day technical operation, control and management of the portions of the Global Information Grid (GIG) that support Global Operations. The Global Network Operations (NetOps) Support Center (GNSC) will operate the CONUS and inter-theater portions of the GIG in support of the Joint Task Force-Global Network Operations. The GNSC will operate the CONUS Theater Information Grid at the direction of Theater NetOps Center-DISA Northern Command (NORTHCOM) Field Office. MILCON recourses will be used to construct an Information Systems facility.

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11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	$0

1. COMPONENT	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
The Defense Information Systems Agency		February 2012	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DISA CONUS, Scott Air Force Base, Illinois	DISA Global NetOps Support Center Facility Upgrade

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0303149K	131-111	VDYDS97032	**$84,111**

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**61,422**
Information Systems Facility	SF	162,448	362.54	(58,894)
SCIF Facility	SF	1,600	1346	(2,153)
Install Intrusion Detection	LS	--	--	(375)
SUPPORTING FACILITIES			--	**17,555**
Utilities	LS	--	--	(4,641)
Pavements	LS	--	--	(2,133)
Site Improvements	LS	--	--	(3,493)
Emergency Generator Set, 2000 KW/UPS/Transfer Switch	LS	--	--	(2,633)
Special Communication and Demolition	LS	--	--	(4,655)
SUBTOTAL		--	--	**78,977**
TOTAL CONTRACT COST		--	--	78,977
SUPERVISION, INSPECTION AND OVERHEAD (SIOH) (6.5%)	LS	--	--	5,134
TOTAL REQUEST				84,111
EQUPIMENT FROM OTHER APPROPRIATIONS (Non-ADD)				(15,600)

10. **DESCRIPTION OF PROPOSED WORK**:

Construct an Information Systems facility to include computer operations space, server areas, secure compartmentalized information facilities (SCIF), administrative work areas, staging testing areas, conference rooms, supply and storage areas, mailroom, cafeteria, break areas, restrooms, training rooms, loading dock, security and badging office, and visitor reception area. This facility also includes space for uninterruptable power supply and associated battery/component storage areas. Supporting facilities include connection to the existing utility systems to include water, natural gas, electrical, sanitary sewer; fire protection systems and alarms; paving, walks, curbs and gutters; storm drainage, site improvements, and information systems. Heating and air conditioning (approximately 400 tons), will be provided by self contained units. SCIF antiterrorism measures will be provided. Interior and furnishing related design services are required. Access for individuals with disabilities will be provided.

Air Conditioning: 400 Tons

11 **REQUIREMENT (FY2013):** 164,048 SF Adequate: 0 SF Substandard: 60,850 SF

REQUIREMENT: Defense Information Systems Agency (DISA) Continental United States (CONUS). CONUS is responsible for planning, engineering, provisioning, fielding, and supporting the global network-centric solutions through the day-to-day technical operation, assuring, control and management of 84% of the Global Information Grid (GIG) that supports Global Operations. The CONUS facility must be operational 24 x 7 x 365 to support NetOps for DISN networks/services, Computer Net-Defense Service Provider (CND/SP) and to serve as a CONUS Provisioning Center. To provide this mission, special communications, duel tie-in, and multiple special communications are required. These global network-centric solutions are required to support the warfighting capability of the United States.

CURRENT SITUATION: DISA CONUS missions are spread between three geographically separate locations. The primary location of Network Operations and Engineering is in Bldg 3189, with circuit implementations in Bldg 1930, both on Scott AFB, and the third being an off-base lease facility in O'Fallon, IL for the provisioning mission. The primary location, Bldg 3189, is a circa 1950's facility and is replete with deficiencies documented by Defense Threat Reduction Agency (DTRA), American Disabilities Act (ADA), Inspector General (IG) findings, Quality of Life findings, and Army Corps of Engineers (ACE) assessments. An analysis by ACE defined a replacement facility based on an assumption of 800 occupants, and identified a shortfall of 102,600 SF of space beyond the 67,000 SF in the current facility. This total requirement of 162,600 SF was used by ACE to estimate the cost of a replacement facility. Building construction is concrete slab/frame, brick fascia, annealed glass, and ground-level air intakes. There are existing single points of failure (SPOF) for HVAC, generator and UPS. Areas of substandard power; harmonic distortions, unbalanced phase and neutral currents, and excessive heat pockets; only one of two electrical services on generator power. There is inadequate stand off from flight line and commercial traffic/HAZMAT transport. AT/FP Security is insufficient, and the intrusion detection system has no CCTV or security forces alarm monitoring capability. Critical infrastructure components and communication accesses/manholes are virtually unprotected along the building perimeter, nor a barrier plan.

1. COMPONENT	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
The Defense Information Systems Agency		February 2012	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DISA CONUS, Scott Air Force Base, Illinois	DISA Global NetOps Support Center Facility Upgrade

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0303149K	131-111	VDYD597032	**$84,111**

IMPACT IF NOT PROVIDED

Each day, DoD is at risk of losing operational control of the DISN due to the environmental, mechanical, and Anti-Terrorist/Force Protection (AT/FP) vulnerabilities at DISA CONUS. DISA CONUS has evolved into a critical NetOps center, which currently monitors and manages 84% of the DISN bandwidth, 75% of DISN devices, 86% of customer services, and assures 100% of the NIPRNet. In mission scope and volume, DISA CONUS has become a unique and primary host for critical network operations support to National Leaders, Services and Agencies, eleven Combatant Commands, and DISA. The CONUS AOR span of control comprises 645 DISN nodes, 3,280 service locations, all inter-theater connectivity, 15 Network Operation Centers (NOCs), and OPCON of 4 non-collocated NOCs.

12. **Supplemental Data:**

a. Estimated Design Data:	
(7) Status:	
(g) Date Design Started	FEB 12
(h) Parametric Cost Estimates used to develop costs	YES
(i) Percent Complete as of 01 FEB 2012 *	
(j) Date 35% Designed *	AUG 12
(k) Date Design Complete	FEB 13
(l) Energy Study/Life-Cycle analysis was/will be performed	NO
(8) Basis	
(c) Standard or Definitive Design	
(d) Where Design was most recently used	YES
(9) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(f) Production of Plans and Specifications	5,000
(g) All other Design Costs	1,000
(h) Total	6,000
(i) Contract	5,000
(j) In-house	1,000
(10) Construction Contract Award	AUG 13
(11) Construction Start	SEP 13
(12) Construction Completion	SEP 15

b. Equipment Data: equipment associated with this project provided from other appropriations.

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APROPRIATED OR REQUESTED	
(4) INSTALLED EQT	380	2015	10,000
(5) FURNITURE	3400	2015	4,800
(6) MOVE IN	3400	2015	800

1. COMPONENT The Defense Information Systems Agency	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE February 2012	REPORT CONTROL SYMBOL

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DISA CONUS, Scott Air Force Base, Illinois	DISA Global NetOps Support Center Facility Upgrade

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($00)
0303149K	131-111	VDYD597032	**$84,111**

13. **JOINT USE CERTIFICATION:**

The Joint use certification is not required for DISA Combatant Command field office construction projects.