

1. COMPONENT Defense Information Systems Agency		FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE May 2009				
3. INSTALLATION AND LOCATION Ford Island, HI				4. COMMAND Defense Information Systems Agency			5. AREA CONSTRUCTION COST INDEX				
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										9,633	
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										N/A	
f. PLANNED IN NEXT THREE PROGRAM YEARS										N/A	
g. REMAINING DEFICIENCY										N/A	
h. GRAND TOTAL										9,633	
8. PROJECTS REQUESTED IN THIS PROGRAM											
a. CATGEGORY				b. COST (\$000)		DESIGN START		STATUS COMPLETE			
(1) CODE	(2) PROJECT TITLE			(3) SCOPE							
4621	DISA-PAC Facility Upgrades			Renovation/Upgrade		9,633		11/09		3/11	
9. FUTURE PROJECTS											
N/A											
10. MISSION OR MAJOR FUNCTIONS											
Plan, field, and support Global Net-Centric solutions that serve the needs of the Combatant Commander, USPACOM and other DoD components in the PACOM AOR. Represent the Commander, DISA PAC in all matters affecting GIG Enterprise Services at USPACOM and Hawaii.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES											
										(\$000)	
A. Air Pollution										0	
B. Water Pollution										0	
C. Occupational Safety and Health										0	

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3. INSTALLATION AND LOCATION Ford Island, HI		4. PROJECT TITLE DISA-Pacific Operations Facility Upgrades		
5. PROGRAM ELEMENT 0303149K	6. CATEGORY CODE 4621	7. PROJECT NUMBER DISA 10-02	8. PROJECT COST (\$000) \$9,633	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY				5,980
ADD/ALTER DISA PAC FIELD OFFICE				(200)
RENOVATE DISA EQUIPMENT ROOM				(324)
RENOVATE DISA THEATER NETWORK CENTER				(461)
DISA ADMIN GENERAL REPAIR				(1,084)
HVAC SYSTEM PHASING AND UPDATE (N)				(2572)
ELECTRICAL SYSTEM PHASING AND UPGRADE (N)				(91)
CHILLER ROOM EXPANSION				(178)
ASBESTOS ABATEMENT				(867)
INFORMATION SYSTEMS (INTERIOR)				(203)
ANTI-TERRORISM/FORCE PROTECTION				
SUPPORTING FACILITIES				2,336
SITE PREPARATION				(10)
EMERGENCY POWER GEN & RORARY UPS (N+1)				(1,629)
ELECTRICAL UTILITIES (N+1)				(101)
ELECTRICAL UTILITIES (N)				(289)
MECHANICAL UTILITIES (N+1)				(140)
PAVING AND SITE IMPROVEMENTS				(54)
ANTI-TERRORISM/FORCE PROTECTION				(113)
ESTIMATED CONTRACT COST				8,316
CONTINGENCY 5%				416
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				568
SUBTOTAL 1				9,300
DESIGN (4%)				333
SUBTOTAL 2				9,633
TOTAL REQUEST				9,633
10. DESCRIPTION OF PROPOSED CONSTRUCTION:				
<p>Provide new electrical panels, feeders, transformers, and switchgear; upgraded power and air conditioning (backup) for the Theater Network Center (TNC) and computer rooms; lightning protection; backup power (generator and Uninterrupted Power Supply (UPS)) for phone and Local Area Network (LAN) systems; and new grounding. Provide raised flooring for equipment room. Construct a new, 505 square foot chiller room with a spread footing foundation and a slab on grade, a structural steel framing system, and a metal roof deck with built up roof. The wall construction shall match the existing adjacent construction. This project shall comply with DoD force protection requirements power the United Facilities Criteria (UFC). The project shall be capable of attaining LEED Silver certification.</p>				
Air Conditioning: 200 Tons				

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11. REQUIREMENT: ADEQUATE SUBSTANDARD:				
<p>REQUIREMENT: The Defense Information Systems Agency Pacific Field Office (DISA PAC) requires a single facility to consolidate its Pacific operations comprised of DISA PAC and the Defense Information Technology Contracting Organization -Pacific (DITCO PAC). The facility must provide backup power and air conditioning servicing critical computer systems and must provide appropriate lightning protection and grounding. Back-up power is required for phone and Local Area Network (LAN) systems. The facility must comply with the Americans with Disabilities Act and must meet Department of Defense force protection requirements per Unified Facilities Criteria (UFC).</p>				
<p>CURRENT SITUATION: DISA Pacific Operations are spread between two geographically separate locations. The existing DISA PAC is headquartered in Building 745 at Wheeler AAF and DITCO PAC is located in Building 77 at Ford Island. Based on the "Facility Infrastructure Evaluation Team, April 2007." Neither of these facilities complies with current DISA Computing Services Facilities Standards. Deficiencies are numerous and affect mission operations as well as the health and safety of assigned personnel. Building 745 does not have sufficient space for the required personnel and equipment. The building has extensive structural problems including cracking foundations, inadequate fire exits, and insufficient power and air conditioning. It is not ADA compliant. Mold and termites are prevalent. The building configuration is not suited to modern communications distribution requirements. Plenum depths are insufficient, and communications raceways are squeezed into drop ceiling in rooms without adequate floor to ceiling space. This results in insufficient air circulation to keep critical mission equipment cool and allows for condensation. Administrative areas are not sprinklered in Building 77, electrical components are well past their service life. The existing building power panel boards, distribution, and all but a few branch circuit panels are more than 30 years old and suffer replacement parts shortage or lack typical current construction features such as dead fronts, door-in-door construction, or fault current capacity. Some electrical component brands are being removed world-wide due to breaker failure fire hazard. The building lacks standby power systems (no generator); the existing generator was abandoned-in-place in 1996, after it was determined to be weather-damaged and un-repairable. The distribution equipment, which formerly switched part of the building distribution to standby power, was removed and feeder circuits demolished as a safety measure. The existing 480V switchboards and service entrance equipment are well beyond a typical 30 yr service life. Replacement parts are being salvaged from abandoned equipment. Separate geographic locations of operations make it difficult to coordinate datacomm operations.</p>				
<p>IMPACT IF NOT PROVIDED: Without this project, DISA PAC will continue to operate in facilities grossly insufficient to support mission requirements. Critical computer systems will not have the required redundancy of power and air conditioning to sustain operations. Computer and electrical systems will be subject to failure from inadequate grounding and lightning protection. Older electrical components will be increasingly difficult to replace. There will continue to be insufficient space to support current and future missions. Operations will continue to be spread between two locations. Personnel will continue to operate in facilities with known safety deficiencies. Existing facilities will not be ADA compliant and will not comply with current AF/FP criteria.</p>				
<p>ADDITIONAL: This project meets the criteria and scope specified in DoD Instruction 5305.5. A preliminary analysis of reasonable options for accomplishing this project was completed. Consolidating operations to Building 77 was chosen because: 1) adequate space was made available by the departure of the Defense Finance and Accounting Service due to BRAC, 2) a renovation project completed in 2000 which upgraded substantive portions of the HVAC system and other infrastructure and made the building ADA compliant, and 3) a 2004 project which reroofed the entire facility. No other facility considered had adequate space, and the renovations performed in Building 77 greatly decreased the cost of upgrade compared to other facilities. The availability of space makes the construction of a new facility unnecessary to satisfy operational needs. Because of this, a full economic analysis was not prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other applicable laws and Executive Orders.</p>				

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12. SUPPLEMENTAL DATA:

a. ESTIMATED DESIGN DATA

(1) STATUS:

- (a) DATE DESIGN STARTED. Nov-09
- (b) PERCENT COMPLETE AS OF JANUARY 2008. 0%
- (c) DATE DESIGN EXPECTED TO BE 35% COMPLETE. Jan-10
- (d) DATE DESIGN EXPECTED TO BE 100% COMPLETE. Jun-10
- (e) PARAMETRIC COSTS TO DEVELOP COSTS. TBD
- (f) TYPE OF DESIGN CONTRACT. DESIGN/BUILD
- (g) AN ENERGY STUDY AND LIFE CYCLE COST ANALYSIS WILL BE DOCUMENTED DURING FINAL DESIGN.

(2) BASIS:

- (a) STANDARD OR DEFINITIVE DESIGN. NOT APPLICABLE
- (b) WHERE DESIGN WAS MOST RECENTLY USED. NOT APPLICABLE

(3) TOTAL DESIGN COST (c)+(b) or (d)+(e)

- (a) PRODUCTION OF PLANS AND SPECIFICATIONS. 4% 333
- (b) ALL OTHER DESIGN COSTS. 000
- (c) TOTAL 333
- (d) CONTRACT. 333
- (e) IN-HOUSE. 000

COST OF REPRODUCTION OF PLANS AND SPECS. TBD

- (4) DESIGN/CONSTRUCTION CONTRACT AWARD DATE Nov-09
- (5) CONSTRUCTION START Jul-10
- (6) CONSTRUCTION COMPLETION DATE Mar-11

b. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS

<u>EQUIPMENT NOMENCLATURE</u>	<u>PROCURING APPROPRIATIONS O&M</u>	<u>FISCAL YEAR APPROPRIATION OR REQUESTED FY2010</u>	<u>COST (\$000)</u>
			\$5,150
			000
			000
			<u>000</u>
		TOTAL	\$5,150

