

**Defense Information Systems Agency
 FY 2015 Military Construction, Defense-Wide
 (\$ in Thousands)**

<u>State/Installation/Project</u>	<u>Authorization Request</u>	<u>Approp. Request</u>	<u>New/ Current Mission</u>	<u>Page No.</u>
Arizona				
Fort Huachuca JITC Building 52120 Renovation	1,871	1,871	C	29
Australia				
Geraldton Combined Communications Gateway Geraldton	9,600	9,600	N	24
Total	11,471	11,471		

1. COMPONENT DISA		FY 2015 MILITARY CONSTRUCTION PROGRAM				2. DATE March 2014				
3. INSTALLATION AND LOCATION Australian Defense Satellite Communications Station Geraldton, KOJARENA, WA			4. COMMAND Defense Information Systems Agency			5. AREA CONSTRUCTION COST INDEX \$9,600				
6. PERSONNEL		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED		(4) TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	
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										\$9,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										\$9,600
f. PLANNED IN NEXT THREE PROGRAM YEARS										
g. REMAINING DEFICIENCY										N/A
h. GRAND TOTAL										\$9,600
8. PROJECTS REQUESTED IN THIS PROGRAM										
a. CATGEGORY				b. COST (\$000)		DESIGN START		STATUS COMPLETE		
(1) CODE	(2) PROJECT TITLE			(3) SCOPE						
13124	Combined Communications Gateway Geraldton (DoD Teleport Geraldton)			Communications Station		\$9,600		03/2014		06/2016
9. FUTURE PROJECTS										
Category Code		Project Title:				Cost				
13124		Combined Communications Gateway Geraldton (DoD Teleport Geraldton)				\$9,600				
10. MISSION OR MAJOR FUNCTIONS										
The Department of Defense (DoD) Teleport program provides access to multi-frequency Military Satellite Communications (MILSATCOM) and Commercial Satellite Communications (COMSATCOM). Each Teleport is a telecommunications collection and distribution point, providing deployed warfighters with multiband, multimedia, and worldwide access to the DISN that far exceeds current capabilities.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES										
(\$000)										
A. Air Pollution										
B. Water Pollution										
C. Occupational Safety and Health										

1. COMPONENT: DISA		FY 2015 MILITARY CONSTRUCTION PROGRAM		2. DATE: March 2014	
3. INSTALLATION (SA) & LOCATION/UIC: Australian Defense Satellite Communications Station Geraldton, KOJARENA WA			4. PROJECT TITLE: Combined Communications Gateway Geraldton (DoD Teleport Geraldton)		
5. PROGRAM ELEMENT: 0303610K		6. CATEGORY CODE: 13124	7. PROJECT NUMBER: 15DISA02		8. PROJECT COST (\$000): 9,600
9. COST ESTIMATES:					
ITEM		U/M	QTY	UNIT COST	COST (\$000)
<u>COMBINED COMMUNICATIONS GATEWAY</u>		SF	2,561		3,190
ELECTRONIC EQUIPMENT BUILDING		SF	2,561	6,716	(1,720)
BUILT-IN EQUIPMENT		LS	-	-	(1,190)
SPECIAL COSTS		LS	-	-	(80)
OPERATION & MAINTENANCE SUPPORT INFO (OMSI)		LS	-	-	(200)
<u>SUPPORTING FACILITIES</u>					5,110
SITE PREPARATION		LS	-	-	(400)
PAVING AND SITE IMPROVEMENTS		LS	-	-	(1,160)
ELECTRICAL UTILITIES		LS	-	-	(2,810)
MECHANICAL UTILITIES		LS	-	-	(740)
SUBTOTAL					8,300
CONTINGENCY (5%)					415
TOTAL CONTRACT COSTS					8,715
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (6.2%)					540
SUBTOTAL					9,255
DESIGN/BUILD - DESIGN COST (4%)					332
TOTAL REQUEST					9,587
TOTAL REQUEST (ROUNDED)					9,600
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)					\$17,000
10. DESCRIPTION OF PROPOSED WORK:					
<p>This project will construct the Electronic Equipment Building (EEB), Antenna Foundations for the AN/GSC-52B Medium Satellite Earth Terminals, and supporting infrastructure (site preparation, utility work and supporting facilities) that will support the DoD Teleport Satellite Communications System located at the Australian Defense Signals Directorate (ADSD) base located near the town of Geraldton in Western Australia. The EEB will be concrete-framed with reinforced concrete or precast wall and roof components, supported on conventional shallow concrete foundations. The EEB will support the operations and maintenance of the Teleport system and include rooms to house communications equipment and HVAC and power distribution/back-up equipment.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. The costs for specific AT/FP features are included in the unit costs.</p> <p>Built-in equipment includes raised flooring, generators, and uninterruptible power supply.</p> <p>Site preparation includes clearing and grubbing, earthwork, and contaminated soil mitigation.</p> <p>Electrical utilities include primary electrical distribution off-site and on-site and secondary electrical distribution.</p>					

1. COMPONENT: DISA		FY 2015 MILITARY CONSTRUCTION PROGRAM		2. DATE: March 2014	
3. INSTALLATION (SA) & LOCATION/UIC: Australian Defense Satellite Communications Station Geraldton, KOJARENA WA			4. PROJECT TITLE: Combined Communications Gateway Geraldton (DoD Teleport Geraldton)		
5. PROGRAM ELEMENT: 0303610K		6. CATEGORY CODE: 13124	7. PROJECT NUMBER: 15DISA02		8. PROJECT COST (\$000): 9,600

10. DESCRIPTION OF PROPOSED CONSTRUCTION CONTINUED:
Paving and site improvements include gravel road, gravel storage/staging area, asphalt overlay, concrete foundation/slabs for antennas, interfacility cable trenches, demolition of pavement, and landscaping.

Electrical utilities include primary electrical distribution off-site and on-site and secondary electrical distribution.

Mechanical Utilities include a fire protection utility pre-engineered building and associated fire protection water distribution system and tanks

Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.

11. REQUIREMENT:

PROJECT: The project will construct facilities and provide site preparation for the DoD Teleport System - Geraldton at Australian Defense Satellite Communications Station - Geraldton, KOJARENA WA.

(New Mission)

Requirement: Adequate and efficiently configured facilities are required to provide ground facilities support and operational space for the DoD Teleport system. The DoD Teleport System at Geraldton provides real time wideband satellite communications for military operations to all branches of the US armed services worldwide as well as Australian Defense forces. The DoD Teleport System at Geraldton will enable warfighters access to Defense Information Switched Network (DISN) services with command and control elements real time anywhere in the world. Ground facilities are strategically located across the globe to provide continuous cover for communications uplink, down-link, satellite control, and connections to terrestrial communication networks. The DoD Teleport System at Geraldton is particularly advantageous for access to the Wideband Global SATCOM (WGS) satellite constellation because it can see up to five (5) WGS satellites. DoD Teleport Geraldton is a new site requirement for the Teleport Generation Three Phase Two (G3P2) as defined in the Critical Design Review (CDR) as well as satisfies a USPACOM Urgent Operational Need. Existing DoD teleport Systems will not meet/satisfy the G3P2 requirements. The existing SATCOM (both Australian and US) facilities located at the Australian base are not adequate to accommodate the new equipment. There is adequate open land area adjacent to the existing US/ADoD antenna compound to accommodate the two new earth terminals and the EEB. The existing electrical utilities do not have adequate capacity to accommodate the new systems and will require upgrades. Adequate security staff and procedures are already in place to meet the high level of physical security required.

Current Situation: The existing DoD Teleport system has assets worldwide to provide support to the warfighter. The existing teleport system does not have adequate and efficient configured facilities to provide ground support, operational space and electrical utilities do not have adequate capacity to accommodate any new systems. The existing SATCOM (both Australian and US) facilities located at the Australian base are not adequate to accommodate any new equipment. The Geraldton area is particularly advantageous for access to the Wideband Global SATCOM (WGS) satellite constellation. There is adequate open land area adjacent to the existing US/ADoD antenna compound to accommodate the two new earth terminals and the new Electronics Equipment Building.

1. COMPONENT: DISA		FY 2015 MILITARY CONSTRUCTION PROGRAM		2. DATE: March 2014	
3. INSTALLATION (SA) & LOCATION/UIC: Australian Defense Satellite Communications Station Geraldton, KOJARENA WA			4. PROJECT TITLE: Combined Communications Gateway Geraldton (DoD Teleport Geraldton)		
5. PROGRAM ELEMENT: 0303610K		6. CATEGORY CODE: 13124	7. PROJECT NUMBER: 15DISA02	8. PROJECT COST (\$000): 9,600	
11. REQUIREMENT:					
<p>SCOPE: The scope was derived from the Site Survey and Site Requirements Package for DoD Teleport System Prepared by: U.S. ARMY INFORMATION SYSTEMS ENGINEERING COMMAND (USAISEC). The project will construct facilities and provide site preparation for the DoD Teleport System - Geraldton at Australian Defense Satellite Communications Station - Geraldton, KOJARENA WA. The project will provide for an Electronic Equipment Building (EEB) and two (2) 40-foot (12.2M) diameter Earth Terminals or antennas. The EEB includes cabinets, racks, enclosures, and climate control systems with required access space and clearances. The antennas will be located not more than 250' from the EEB. The commercial power demarcation point is located approximately 3 kilometers from the EEB. The existing access road supporting the existing SATCOM systems at the base will be extended to permit access to the new antennas.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided at Geraldton WA, an alternative site will be required to support the DoD Teleport system. This would introduce months or years of delay in the deployment of the Teleport Generation Three and deny warfighters access to the new WGS constellation. USPACOM is in desperate need of additional DoD Teleport system capability to match the resources on orbit in the theater. Without this new DoD Teleport system, USPACOM forces will not be able access satellite currently on orbit in the region.</p>					

1. COMPONENT: DISA		FY 2015 MILITARY CONSTRUCTION PROGRAM			2. DATE: March 2014	
3. INSTALLATION (SA) & LOCATION/UIC: Australian Defense Satellite Communications Station Geraldton, KOJARENA WA			4. PROJECT TITLE: Combined Communications Gateway Geraldton (DoD Teleport Geraldton)			
5. PROGRAM ELEMENT: 0303610K		6. CATEGORY CODE: 13124	7. PROJECT NUMBER: 15DISA02		8. PROJECT COST (\$000): 9,600	
A. Estimated Design Data:						
1. Status						
A. Date Design or Parametric Cost Estimate started					12/2013	
B. Date 35% Design					03/2014	
C. Type of Design Contract					Design/Build	
D. Parametric Estimate Used to Develop Cost					Yes	
E. Energy Study/Life Cycle Analysis Performed					No	
2. Basis						
A. Standard or definitive design (Y/N)					No	
B. Where design was previously used:					N/A	
3. Cost (Total \$000) C = A + B or D + E						
A. Production of plans and specs					\$154	
B. All other Design cost					\$230	
C. Total design cost (C) = (A) + (B) or (D) + (E)					\$384	
D. Contract					\$320	
E. In-House					\$64	
4. Contract Award					06/2015	
5. Construction Start					07/2015	
6. Construction Complete					06/2016	
B. Equipment associated with this project which will be provided from other appropriations:						
<u>Major Equipment</u>	<u>Funding Source</u>	<u>Fund Year</u>	<u>Installation Start-End Mo/Yr</u>	<u>Shakedown Start-End Mo/Yr</u>	<u>IOC Date Mo/Yr</u>	<u>Cost</u>
Baseband Equipment	Procurement	FY16				\$10,000
AN/GSC-52B (2 each)	Procurement	FY16				\$ 7,000
Joint Use Certification:						
The Defense Information Systems Agency certifies that this project has been considered for joint use potential. Unilateral Construction is recommended.						
Activity POC:			Phone 301-225-2329			

1. COMPONENT DISA		FY 2015 MILITARY CONSTRUCTION PROGRAM					2. DATE March 2014				
3. INSTALLATION AND LOCATION Fort Huachuca, Arizona				4. COMMAND Defense Information Systems Agency				5. AREA CONSTRUCTION COST INDEX \$1,871			
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										\$1,871	
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										\$1,871	
f. PLANNED IN NEXT THREE PROGRAM YEARS											
g. REMAINING DEFICIENCY										N/A	
h. GRAND TOTAL										\$1,871	
8. PROJECTS REQUESTED IN THIS PROGRAM											
a. CATEGORY				b. COST (\$000)		DESIGN START		STATUS COMPLETE			
(1) CODE	(2) PROJECT TITLE			(3) SCOPE							
6100	JITC Building 52120 Renovation			JITC Building 52120 Renovation			\$1,871	March 2015		Oct 2015	
9. FUTURE PROJECTS											
Category Code 61050				Project Title: JITC Building 52120 Renovation				Cost: \$1,871			
10. MISSION OR MAJOR FUNCTIONS											
<p>JITC conducts testing of national security systems and information technology systems hardware, software and components. Services include developmental, conformance, interoperability, operational and validation testing. JITC provides "one-stop system testing" with its one-of-a kind array of test beds and uniquely qualified staff. The command can interface all of its on-site capabilities and its network with any other testing or operational facility worldwide. The JITC facilities are located at Fort George G. Meade, Maryland; Fort Huachuca, Arizona and Indian Head, Maryland.</p> <p>JITC services DISA, combatant commands, the Department of Defense (DOD), other federal agencies, allies, coalition partners and commercial vendors.</p>											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES											
										(\$000)	
A. Air Pollution										0	
B. Water Pollution										0	
C. Occupational Safety and Health										0	

1. COMPONENT DISA	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE March 2014	REPORT CONTROL SYMBOL UNKNOWN
3. INSTALLATION AND LOCATION Fort Huachuca, Arizona		4. PROJECT TITLE JITC Building 52120 Renovation	
5. PROGRAM ELEMENT 0303148K	6. CATEGORY CODE 61050	7. PROJECT NUMBER 15DISA01	8. PROJECT COST (\$000) \$1,871

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST
PRIMARY FACILITIES				
Renovate Existing Building 52120	SF	9,841		1,374
- Administrative		8,361	105.73	(884)
- Communications/Electronics	SF	1,480	133.16	(197)
Information Systems	SF	--	--	(168)
Special Costs	--			
- Intrusion Detection System	--	--	--	(8)
- Uninterruptible Power Supply	--			(45)
Operations & Maintenance Supp Info (OMSI)		--	--	
- Commissioning/Tech Operating Manuals (1.5%)	--	--	--	(16)
- Energy Management Control Systems	--			(25)
Sustainable Design Measures				(31)
SUPPORTING FACILITIES				
Renovation of Site				98
- Electrical Utilities				(71)
- Water, Sewer, Gas				(4)
- Communications				(23)
Subtotal				1,472
Contingency (5%)				74
Total Contract Cost				1,546
Supervision, Inspection, Overhead (SIOH) (5.7%)				88
Subtotal				1,634
Design				237
Total Request				1,871
Equipment from Other Appropriations				700

10. DESCRIPTION OF PROPOSED WORK:

The purpose of the MILCON is to renovate existing Garrison building 52120 for the JITC Headquarters Complex in Fort Huachuca, AZ. The existing facility (Bldg 52120) is a Brigade HQs transient training facility and will be renovated to administrative (85%) and lab (15%) spaces for JITC. The renovation of Building 52120 will convert a Brigade Headquarters Building, Facility Code 14182. The renovation will build out administrative and laboratory space, replace existing windows, exterior and interior doors, roof, block up some windows in the laboratory area, and the installation of new vinyl tile flooring, suspended ceiling, raised floor, fire suppression system, plumbing, HVAC and new information and electrical systems. The renovation of Building 52120 will provide JITC with a facility with administrative and laboratory space to accommodate 52 personnel.

11. REQUIREMENT:

PROJECT: This project will renovate building 52120 at Fort Huachuca, AZ.

CURRENT SITUATION: DISA/JITC facilities are overcrowded and the space is inadequate for personnel and they contain major health and safety issues. The over-age buildings have numerous environmental hazards and safety issues (e.g., roof leaks, mold infestations, rodents and snakes, and two buildings have no running water). These facilities are non ADA compliant. They have inefficient environmental controls due to poorly insulated above ground placement, inefficient heating and air conditioning units resulting in excessive Operations and Maintenance (O&M) costs, minimal space for employees to work and building runoff/drainage issues from monsoon-like rains which impact the base as a whole. The Army supports removal of the end-of-life buildings due to the multiple environmental concerns and safety issues.

REQUIREMENT: Requirement: DISA/JITC facilities are overcrowded and the relocatables contains major health and safety issues. JITC is housed in 8 permanent buildings and 11 relocatables. The over-age relocatables have numerous environmental hazards and safety issues (e.g., roof leaks, mold infestations, rodents and snakes, and two relocatables have no running water). These facilities are non ADA compliant. They have inefficient environmental controls due to poorly insulated above ground placement, inefficient heating and air conditioning units resulting in excessive Operations and Maintenance (O&M) costs, minimal space for employees to work and the relocatables have building run-off/drainage issues from monsoon-like rains which impact the base as a whole. The Army supports removal of the end-of-life buildings due to the multiple environmental concerns and safety issues.

1. COMPONENT DISA	FY 2015 MILITARY CONSTRUCTION PROJECT DATA		2. DATE March 2014	REPORT CONTROL SYMBOL Unknown																																															
3. INSTALLATION AND LOCATION Fort Huachuca, AZ		4. PROJECT TITLE JITC Building 52120 Renovation																																																	
5. PROGRAM ELEMENT 0303148K	6. CATEGORY CODE 61050	5. PROGRAM ELEMENT 0303148K	6. CATEGORY CODE 61050																																																
IMPACT IF NOT PROVIDED: DISA/JITC will not be able to address the ADA and Occupational Safety and Health Act of 1970 (OSHAct) issues. OSHA requires Agencies to provide a compliant work environment for its personnel with adequate workspaces, and eliminating health and safety issues. If this project is not funded personnel will continue to work out of existing buildings which have limited operational capabilities and useful life expectancies which will hinder the DISA/JITC mission. If this project is not provided DISA/JITC cannot fulfill its mission as the DoD developmental, conformance, interoperability, operational and validation tester of national security systems and information technology systems hardware, software and components. Personnel will continue to work out of modular buildings which have limited operational capabilities and useful life expectancies. This opportunity to fully leverage DISA/JITC's one-of-a-kind array of Test Beds and uniquely Qualified staff will be hindered.																																																			
<p>12. Supplemental Data:</p> <p>a. Estimated design data:</p> <table border="0"> <tr> <td>(1) Status:</td> <td></td> </tr> <tr> <td> (a) Date Design Started</td> <td>March 2015</td> </tr> <tr> <td> (b) Parametric Cost Estimates used to develop costs</td> <td>Yes</td> </tr> <tr> <td> (c) Date 35% Designed</td> <td>May 2015</td> </tr> <tr> <td> (d) Date Design Complete</td> <td>November 2015</td> </tr> <tr> <td> (e) Energy Study/Life-Cycle analysis was/will be performed</td> <td>Yes</td> </tr> <tr> <td> (f) Type of Contract</td> <td>Design/Build</td> </tr> <tr> <td>(2) Basis</td> <td></td> </tr> <tr> <td> (a) Standard or Definitive Design</td> <td></td> </tr> <tr> <td> (b) Where Design was most recently used</td> <td>(\$000)</td> </tr> <tr> <td>(3) Total Cost (c) = (a) + (b) or (d) + (e):</td> <td>147</td> </tr> <tr> <td> (a) Production of Plans and Specifications</td> <td></td> </tr> <tr> <td> (b) All other Design Costs</td> <td></td> </tr> <tr> <td> (c) Total</td> <td></td> </tr> <tr> <td> (d) Contract</td> <td></td> </tr> <tr> <td> (e) In-house</td> <td></td> </tr> <tr> <td>(4) Construction Contract Award</td> <td>March 2015</td> </tr> <tr> <td>(5) Construction Start</td> <td>May 2015</td> </tr> <tr> <td>(6) Construction Completion</td> <td>October 2016</td> </tr> </table> <p>b. Equipment Data: equipment associated with this project provided from other appropriations.</p> <table border="0"> <thead> <tr> <th>EQUIPMENT NOMENCLATURE</th> <th>PROCURING APPROPRIATION</th> <th>FISCAL YEAR APROPRIATED</th> </tr> <tr> <td></td> <td></td> <th>REQUESTED</th> </tr> </thead> <tbody> <tr> <td>(1) FURNITURE</td> <td>O&M</td> <td>\$700</td> </tr> </tbody> </table>					(1) Status:		(a) Date Design Started	March 2015	(b) Parametric Cost Estimates used to develop costs	Yes	(c) Date 35% Designed	May 2015	(d) Date Design Complete	November 2015	(e) Energy Study/Life-Cycle analysis was/will be performed	Yes	(f) Type of Contract	Design/Build	(2) Basis		(a) Standard or Definitive Design		(b) Where Design was most recently used	(\$000)	(3) Total Cost (c) = (a) + (b) or (d) + (e):	147	(a) Production of Plans and Specifications		(b) All other Design Costs		(c) Total		(d) Contract		(e) In-house		(4) Construction Contract Award	March 2015	(5) Construction Start	May 2015	(6) Construction Completion	October 2016	EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APROPRIATED			REQUESTED	(1) FURNITURE	O&M	\$700
(1) Status:																																																			
(a) Date Design Started	March 2015																																																		
(b) Parametric Cost Estimates used to develop costs	Yes																																																		
(c) Date 35% Designed	May 2015																																																		
(d) Date Design Complete	November 2015																																																		
(e) Energy Study/Life-Cycle analysis was/will be performed	Yes																																																		
(f) Type of Contract	Design/Build																																																		
(2) Basis																																																			
(a) Standard or Definitive Design																																																			
(b) Where Design was most recently used	(\$000)																																																		
(3) Total Cost (c) = (a) + (b) or (d) + (e):	147																																																		
(a) Production of Plans and Specifications																																																			
(b) All other Design Costs																																																			
(c) Total																																																			
(d) Contract																																																			
(e) In-house																																																			
(4) Construction Contract Award	March 2015																																																		
(5) Construction Start	May 2015																																																		
(6) Construction Completion	October 2016																																																		
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APROPRIATED																																																	
		REQUESTED																																																	
(1) FURNITURE	O&M	\$700																																																	