

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2007

BUDGET ACTIVITY 6 - Management support	PE NUMBER AND TITLE 0605301A - ARMY KWAJALEIN ATOLL					PROJECT 614			
COST (In Thousands)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	
614 ARMY KWAJALEIN ATOLL	156212	176916	182136	166772	166876	169081	163482	166991	

A. Mission Description and Budget Item Justification: In FY07, funding increases to reestablish the necessary funding baseline needed to operate Kwajalein Atoll and the testing range. Funding reflects the Army leadership actions to comply with the Bob Stump National Defense Authorization Act (NDAA) for FY 2003 (Public Law 107-314, December 2002). In accordance with the NDAA, Sec. 232, "The Secretary of Defense shall establish the objective of ensuring that, by FY 2006" ...the institutional and overhead costs of a facility or resource of a military department or Defense Agency that is within the Major Range and Test Facility Base are fully funded....The term "institutional and overhead cost" means the costs of maintaining, operating, upgrading, and modernizing the facility or resource; and does not include any incremental cost of operating a facility or resource that is attributable to the use of the facility or resource for testing under a particular program." The U.S. Army Kwajalein Atoll/Ronald Reagan Ballistic Missile Defense Test Site (USAKA/RTS), located in the Republic of the Marshall Islands, is a remote, secure activity of the Major Range and Test Facility Base (MRTFB). Its function is to support test and evaluation of major Army and DoD missile systems and to provide space surveillance and space object identification in support of US Strategic Command and National Aeronautics and Space Administration (NASA) scientific and space programs. Programs supported include Army missile defense, Missile Defense Agency (MDA), demonstration/validation tests, Air Force Intercontinental Ballistic Missile (ICBM) development and operational tests, U.S. Space Surveillance Network, and NASA Space Transportation System (Shuttle) and orbital debris experiments. The technical element of USAKA/RTS is the RTS, which consists of a number of sophisticated, one-of-a-kind, radar, optical, telemetry, command/control/communications, and data reduction systems. These systems include the four unique radars of the Kiernan Reentry Measurement Site (KREMS); Super Recording Automatic Digital Optical Tracker (SRADOT) long range video-metric tracking systems; high density data recorders for high data-rate telemetry collected by nine antennas; underwater acoustic impact location system; and data analysis/reduction hardware/software. USAKA/RTS is government-managed/contractor-operated (GMCO) and is therefore totally dependent upon its associated support contractors. Program also provides funds for the contractors to accomplish installation operation and maintenance (O&M) and provides mission essential bandwidth via lease of fiber optics cable system. Funding is required to maintain minimal O&M support, while accepting moderate risk of continued degradation of USAKA/RTS infrastructure (housing, offices, facilities), higher future repair costs, and reduced logistical support capability. The Army, Air Force, Navy and MDA have programs planned, which have significant test and data gathering requirements at USAKA/RTS. Air Force programs require firing from Vandenberg Air Force Base, CA, with complete data collection during late mid-course and terminal trajectory. MDA programs require range sensors to collect technical data in support of Ground Based Mid-Course Missile Defense (GMD) and Theater Missile Defense (TMD) programs. This test data cannot be obtained except through the use of technical facilities available on and in the vicinity of USAKA/RTS. Program supports US Strategic Command (STRATCOM) requirements for data collection on objects in space. The Advanced Research Project Agency (ARPA) Long-Range Tracking and Instrumentation Radar (ALTAIR), and the Target Resolution Discrimination Experiment (TRADEX) radar located at USAKA/RTS, are two of only three radars world-wide that have deep-space tracking capability. Program supports Air Force's Peacekeeper, Minuteman III, and Delta; MDA's GMD tests, Ground Based Radar (GBR), Battle Management/Command, Control and Communications (BMC3), In-Flight Interceptor Communication System (IFICS) data terminals; Army/MDA PAC-3, System Integration of Tests, Family of Systems, Critical Measurements Program (CMP), Patriot, and ground-based radar; and NASA's Space Transportation System (STS), Small Expendable Deployer System and Orbital Debris Measurement Programs; and the Air Force Space and Missile Center's associated programs.

Accomplishments/Planned Program:	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Provide management support (salaries, training, travel, Space & Missile Defense Command (SMDC) matrix, etc).	11495	11964	12443	12770

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Accomplish facility maintenance and repair projects, including design.	4141	7400	7500	7700	
Procure petroleum, oils and lubricants (POL) and Military Standard Requisitioning and Issue Procedure (MILSTRIP) items.	26263	26140	26140	26140	
Procure other mission operating supplies, equipment and services.	5604	5716	5842	5970	
Provide air and sea transportation (cargo to and from continental United States).	4884	4982	5082	4574	
Kwajalein Cable System (KCS) fiber optic cable lease.	200	4700	6300	6300	
Continue to support Army, MDA, NASA and Air Force development and operational missile testing. Includes institutional funding of maintenance and overhead costs to comply with the Bob Stump National Defense Authorization Act (NDAA) for FY2003 (Public Law 107-314, December 2002).	41048	45834	46842	47873	
Provide logistical support (facilities maintenance and repair, aviation, automotive, marine, medical, food services, education, information management, etc.) to self contained islands of USAKA.	62577	65420	69787	54745	
RTS Distributed Operations.			2200	700	
Small Business Innovative Research/Small Business Technology Transfer Programs.		4760			
Total	156212	176916	182136	166772	

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<u>B. Program Change Summary</u>	FY 2006	FY 2007	FY 2008	FY 2009
Previous President's Budget (FY 2007)	153317	178891	136855	120792
Current BES/President's Budget (FY 2008/2009)	61626	65325	66921	65004
Total Adjustments	-91691	-113566	-69934	-55788
Congressional Program Reductions		-676		
Congressional Rescissions				
Congressional Increases				
Reprogrammings	2895	-1299		
SBIR/STTR Transfer				
Adjustments to Budget Years			45281	45980

Change Summary Explanation: Increase in FY08 and FY09 was necessary to fund critical requirements for continued test mission and base operations (to bring installation to standard avoiding future health and safety hazards). In addition, increase was to comply with Section 232(a)2 of Bob Stump National Defense Authorization Act for FY 2003 that provides funds T&E Mission Operations of the Reagan Test Site.