

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2008

BUDGET ACTIVITY 6 - Management support		PE NUMBER AND TITLE 0605301A - ARMY KWAJALEIN ATOLL					PROJECT 614	
COST (In Thousands)	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	173455	180052	174601	165798	167991	162486	166050	

A. Mission Description and Budget Item Justification: 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 U.S. 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 and Navy 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 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 provides funds for the contractors to accomplish installation operation and maintenance (O&M) and provides mission essential bandwidth via 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 launch from Vandenberg Air Force Base, CA, with complete data collection during late mid-course and terminal trajectory. MDA programs require range instrumentation to collect technical data in support of mid-course and terminal defense 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 U.S. 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. The Millimeter Wave Radar (MMW) is the most powerful imaging radar in the world. With the geographic location of RTS, MMW complements the tracking radars for national space capabilities. Program supports Air Force's Minuteman III operational and developmental tests; MDA's Ground Based Mid-Course Missile Defense (GMD) tests, 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, and Critical Measurements Program (CMP) 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.

<u>Accomplishments/Planned Program:</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).	10805	9542	9373
Accomplish facility maintenance and repair projects, including design.	7400	13200	7200
Procure petroleum, oils and lubricants (POL) and Military Standard Requisitioning and Issue Procedure (MILSTRIP) items.	25907	27000	34417
Procure other mission services.	5998	4696	4788
Provide air and sea transportation (cargo to and from continental United States).	6494	5850	4507

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Provided costs for Kwajalein Cable System (KCS) fiber optic cable for Indefeasible Right of Use (IRU). Initial Operational Capability begins November 2009.	7000		
Continue to support Army, MDA, NASA and Air Force developmental and operational missile testing.	49017	53468	55675
Provide logistical support (facilities maintenance and repair, aviation, automotive, marine, medical, food services, education, information management, environmental compliance, etc.) to self contained islands of USAKA.	56334	56786	54241
Provide for RTS Distributed Operations (distributed operations of the Range sensors from Continental U.S.).	4500	4700	4400
Small Business Innovative Research/Small Business Technology Transfer Programs.		4810	
Total	173455	180052	174601

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<u>B. Program Change Summary</u>	FY 2007	FY 2008	FY 2009	
Previous President's Budget (FY 2008/2009)	176916	182136	166772	
Current BES/President's Budget (FY 2009)	173455	180052	174601	
Total Adjustments	-3461	-2084	7829	
Congressional Program Reductions		-2084		
Congressional Rescissions				
Congressional Increases				
Reprogrammings	1299			
SBIR/STTR Transfer	-4760			
Adjustments to Budget Years			7829	