

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)							June 2001			
BUDGET ACTIVITY 6 - MANAGEMENT SUPPORT			PE NUMBER AND TITLE 0605301A - Army Kwajalein Atoll					PROJECT 614		
COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
614 ARMY KWAJALEIN ATOLL	135702	151920	150071	0	0	0	0	0	0	0

A. Mission Description and Budget Item Justification:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The U.S. Army Kwajalein Atoll/Kwajalein Missile Range (USAKA/KMR), located in the Republic of the Marshall Islands, is a remote, secure activity of the Major Range and Test Facility Base as constituted by DoD Directive 3200.11. Its function is to support test and evaluation of major Army and DoD missile systems, Army Space surveillance and object identification, and National Aeronautics and Space Administration (NASA) scientific and space programs. Programs supported include Army missile defense, Ballistic Missile Defense Organization (BMDO) 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. USAKA/KMR supports the Missile Defense Act of 1991 to put in place a Ground Based Defense System by 2006 or the earliest date possible. The technical element of USAKA/KMR is the Kwajalein Missile Range, 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 radar of the Kiernan Reentry Measurement Site (KREMS); super Recording Automatic Digital Optical Tracker (RADOT) long range video-metric tracking systems, high density data recorders for high data-rate telemetry, and underwater acoustic impact location system data analysis and reduction hardware and software. USAKA/KMR is contractor operated 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). Noted funding for FY 2002 and 2003 is required to maintain minimal O&M support, while accepting moderate risk of continued degradation of USAKA/KMR infrastructure (housing, offices, facilities), higher future repair costs, and reduced logistical support capability, as well as completion of the KMR Modernization and Remoting (KMAR) Program. The KMAR program is a concurrent, range-wide modernization effort to maximize the use of common, standardized commercial off-the-shelf (COTS) technology to replace obsolete components; implement common hardware/software architectures and automation; and "remote" the operation of range sensors and instrumentation to the island of Kwajalein. This effort will upgrade range capabilities that are critical to the success of upcoming Theater Missile Defense (TMD) and National Missile Defense (NMD) test missions as well as reduce USAKA/KMR annual operating costs by \$18M per year beginning in FY 2003 as reflected in FY 2003-2007 funding levels above. The Army, Air Force, Navy and BMDO have programs planned, which have significant test and data gathering requirements at USAKA/KMR. Air Force programs require firing at full range with complete data collection during late mid-course and terminal trajectory. BMDO programs require range sensors to collect technical data in support of National Missile and Theater Missile Defense programs being conducted at USAKA/KMR. These test data cannot be obtained except through the use of technical facilities available on and in the vicinity of USAKA/KMR. Data collection on objects in space remains significant because the Advanced Research Project Agency (ARPA) Long-Range Tracking and Instrumentation Radar (ALTAIR), located at USAKA/KMR, is one of only three sensors world-wide that has deep-space tracking capability. Program supports Air Force's Peacekeeper, Minuteman III, and Delta; Army/BMDO's NMD (Ground Based Interceptor (GBI), Ground Based Radar (GBR), Battle Management/Command, Control and Communications (BMC3), In-Flight Interceptor Communication System (IFICS)), TMD (THAAD, PAC-3, System Integration of Tests, Family of Systems) Theater Missile Defense Critical Measurements Program, Theater High Altitude Air Defense (THAAD), Patriot, and ground-based radar; NASA's Space Transportation System

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PROJECT

614

(STS), Orbital Debris Measurement Program, Small Expendable Deployer System and Orbital Debris Radar Calibration Spheres, along with the Air Force Space and Missile Center's associated programs.

This activity supports the Legacy to Objective transition path of the Transformation Campaign Plan.

FY 2000 Accomplishments

- 8628 Provided management support (salaries, training, travel, SMDC matrix, etc.)
- 5750 Accomplished major maintenance and repair projects, including design, executed by Corps of Engineers (COE).
- 14957 Procured petroleum, oils and lubricants (POL) and Military Standard Requisitioning and Issue Procedure (MILSTRIP) items.
- 3080 Procured other mission operating supplies, equipment, and services.
- 7209 Provided air and sea transportation (cargo to and from continental United States).
- 35096 Continued to support Army, BMDO, NASA and Air Force development and operational missile testing. Continued support to KMR Modernization and Remoting (KMAR).
- 60982 Provided logistical support (facilities maintenance and repair, aviation, automotive, marine, medical, food services, education, information management, etc.) to self contained islands of USAKA.

Total 135702

FY 2001 Planned Program

- 9406 Provide management support (salaries, training, travel, SMDC matrix, etc.).
- 3523 Accomplish major maintenance and repair projects, including design, executed by Corps of Engineers (COE).
- 17739 Procure POL and MILSTRIP.
- 3886 Procure other mission operating supplies, equipment, and services.
- 7475 Provide air and sea transportation (cargo to and from continental United States).
- 32953 Continue to support Army, BMDO, NASA and Air Force development and operational missile testing. Continue support to KMR Modernization and Remoting (KMAR).
- 72460 Provide logistical support (facilities maintenance and repair, aviation, automotive, marine, medical, food services, education, information management, etc.) to self contained islands of USAKA.

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FY 2001 Planned Program (Continued)

- 4478 Small Business Innovative Research/Small Business Technology Transfer Programs

Total 151920

FY 2002 Planned Program

- 9657 Provide management support (salaries, training, travel, SMDC matrix, etc).
- 450 Accomplish major maintenance and repair projects, including design, executed by Corps of Engineers (COE).
- 18557 Procure POL and MILSTRIP.
- 4120 Procure other mission operating supplies, equipment and services.
- 8468 Provide air and sea transportation (cargo to and from continental United States).
- 34948 Continue to support Army, BMDO, NASA and Air Force development and operational missile testing. Continue support to KMAR program.
- 73871 Provide logistical support (facilities maintenance and repair, aviation, automotive, marine, medical, food services, education, information management, etc.) to self contained islands of USAKA.

Total 150071

<u>B. Program Change Summary</u>	FY 2000	FY 2001	FY 2002	FY 2003
Previous President's Budget (FY2001 PB)	139322	153326	144715	0
Appropriated Value	140344	153326	0	0
Adjustments to Appropriated Value	0	0	0	0
a. Congressional General Reductions	0	0	0	0
b. SBIR / STTR	-3620	0	0	0
c. Omnibus or Other Above Threshold Reduction	-554	0	0	0
d. Below Threshold Reprogramming	0	0	0	0
e. Rescissions	-468	-1406	0	0
Adjustments to Budget Years Since FY2001 PB	0	0	5356	0
Current Budget Submit (FY 2002/2003 PB)	135702	151920	150071	0