

# ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2005

|  |   |          |          |          |          |                       |          |          |  |
|--|---|----------|----------|----------|----------|-----------------------|----------|----------|--|
| BUDGET ACTIVITY<br><b>6 - Management support</b> | PE NUMBER AND TITLE<br><b>0605301A - ARMY KWAJALEIN ATOLL</b> |          |          |          |          | PROJECT<br><b>614</b> |          |          |  |
| COST (In Thousands)                              | FY 2004   | FY 2005  | FY 2006  | FY 2007  | FY 2008  | FY 2009               | FY 2010  | FY 2011  |  |
|  | Actual  | Estimate | Estimate | Estimate | Estimate | Estimate              | Estimate | Estimate |  |
| 614 ARMY KWAJALEIN ATOLL                         | 134420  | 139939   | 154535   | 140010   | 128346   | 112988                | 97533    | 96960    |  |

**A. Mission Description and Budget Item Justification:** Increased funding, beginning in Fiscal Year 2006 (FY 2006) 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 – (1) 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 ... ‘institutional and overhead costs’ ... 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 Space 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; and underwater acoustic impact location system 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). 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 GMD and 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 Space Command 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 Ground Based Mid-Course Missile Defense (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.

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|---|--|------------------------------|

| <b>Accomplishments/Planned Program</b>  | FY 2004       | FY 2005       | FY 2006       | FY 2007       |
|---|---------------|---------------|---------------|---------------|
| Provide management support (salaries, training, travel, SMDC matrix, etc).  | 11224         | 11522         | 11775         | 12035         |
| Accomplish maintenance and repair projects, including design, executed by Corps of Engineers (COE).   | 700           | 700           | 700           | 700           |
| Procure petroleum, oils and lubricants (POL) and Military Standard Requisitioning and Issue Procedure (MILSTRIP) items.   | 15392         | 15719         | 16065         | 16418         |
| Procure other mission operating supplies, equipment and services.   | 5700          | 5794          | 5921          | 6052          |
| Provide air and sea transportation (cargo to and from continental United States).   | 7211          | 7474          | 7300          | 7000          |
| Continue to support Army, MDA, NASA and Air Force development and operational missile testing. Beginning in FY 2006, the increase funds range institutional and overhead costs to comply with the Bob Stump National Defense Authorization Act (NDAA) for FY2003 (Public Law 107-314, December 2002). | 35480         | 41290         | 51872         | 50134         |
| Provide logistical support (facilities maintenance and repair, aviation, automotive, marine, medical, food services, education, information management, etc.) to self contained islands of USAKA.   | 58713         | 57440         | 60902         | 47671         |
| <b>Totals</b>   | <b>134420</b> | <b>139939</b> | <b>154535</b> | <b>140010</b> |

| <b>B. Program Change Summary</b>      | FY 2005      | FY 2006     | FY 2007      |
|---------------------------------------|--------------|-------------|--------------|
| Previous President's Budget (FY 2005) | 143921       | 147262      | 148381       |
| Current Budget (FY 2006/2007 PB)      | 139939       | 154535      | 140010       |
| <b>Total Adjustments</b>              | <b>-3982</b> | <b>7273</b> | <b>-8371</b> |
| Net of Program/Database Changes       |              |             |              |
| Congressional Program Reductions      | -1956        |             |              |
| Congressional Rescissions             |              |             |              |
| Congressional Increases               | 1800         |             |              |
| Reprogrammings                        |              |             |              |
| SBIR/STTR Transfer                    | -3826        |             |              |
| Adjustments to Budget Years           |              | 7273        | -8371        |

Change Summary Explanation: