Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

2040: Research, Development, Test & Evaluation, Army

PE 0605301A: ARMY KWAJALEIN ATOLL

BA 6: RDT&E Management Support

COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	169.367	162.662	163.788	0.000	163.788	157.181	159.764	159.281	157.789	Continuing	Continuing
614: ARMY KWAJALEIN ATOLL	169.367	162.662	163.788	0.000	163.788	157.181	159.764	159.281	157.789	Continuing	Continuing

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 operations (surveillance and 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, safety, 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 a fiber optics cable system. Funding is required to maintain O&M support, while accepting moderate risk of continued degradation of USAKA/RTS infrastructure (housing, offices, and 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) radars 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 Army's Advanced Hypersonic Weapon-Technology Development program; Air Force's Minuteman III operational and developmental tests; MDA's Ground Based Mid-Course Missile Defense (GMD) tests, Flexible Target Family (FTF), Lower-tier Project Office (LTPO) and Family of Systems; 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.

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Army		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	
2040: Research, Development, Test & Evaluation, Army	PE 0605301A: ARMY KWAJALEIN ATOLL	
BA 6: RDT&E Management Support		

B. Program Change Summary (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
Previous President's Budget	174.024	163.514	164.379	0.000	164.379	
Current President's Budget	169.367	162.662	163.788	0.000	163.788	
Total Adjustments	-4.657	-0.852	-0.591	0.000	-0.591	
 Congressional General Reductions 		-0.852				
 Congressional Directed Reductions 		0.000				
 Congressional Rescissions 	0.000	0.000				
 Congressional Adds 		0.000				
 Congressional Directed Transfers 		0.000				
 Reprogrammings 	0.000	0.000				
 SBIR/STTR Transfer 	-4.657	0.000				
 Adjustments to Budget Years 	0.000	0.000	-0.591	0.000	-0.591	

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army						DATE: Febr	ruary 2010				
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 6: RDT&E Management Support								PROJECT 614: ARMY KWAJALEIN ATOLL			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
614: ARMY KWAJALEIN ATOLL	169.367	162.662	163.788	0.000	163.788	157.181	159.764	159.281	157.789	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

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B. Accomplishments/Planned Program (\$ in Millions)

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0605301A: ARMY KWAJALEIN ATOLL	614: <i>ARMY</i>	KWAJALEIN ATOLL
BA 6: RDT&E Management Support			

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #1	9.973	9.935	10.420	0.000	10.420
Provide management support (salaries, training, travel, Space & Missile Defense Command (SMDC) matrix, etc).					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #2	7.200	6.962	9.500	0.000	9.500
Accomplish facility maintenance and repair projects, including design and demolition.					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 6: RDT&E Management Support	R-1 ITEM NOMENCLATURE PE 0605301A: <i>ARMY KWAJALEIN ATC</i>			T IY KWAJALEIN ATOLL			
B. Accomplishments/Planned Program (\$ in Millions)							
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
Program #3		26.850	22.739	20.213	0.000	20.213	
Procure petroleum, oils and lubricants (POL).							
FY 2009 Accomplishments: FY 2009							
FY 2010 Plans: FY 2010							
FY 2011 Base Plans: FY 2011 Base							
FY 2011 OCO Plans: FY 2011 OCO							
Program #4		4.788	3.917	2.153	0.000	2.153	
Procure other mission services.							
FY 2009 Accomplishments: FY 2009							
FY 2010 Plans: FY 2010							
FY 2011 Base Plans: FY 2011 Base							
FY 2011 OCO Plans: FY 2011 OCO							

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
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BA 6: RDT&E Management Support			

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #5	5.307	4.802	4.532	0.000	4.532
Provide air and sea transportation (cargo to and from continental United States).					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #6	0.000	7.416	10.958	0.000	10.958
Provide funding for Kwajalein Cable System (KCS) fiber optic cable for annual service contract. Initial Operational Capability begins second quarter fiscal year 2010.					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					

	CITCLASSIFIED					
Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: Febr	ruary 2010	
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 6: RDT&E Management Support	R-1 ITEM NOMENCLATURE PE 0605301A: ARMY KWAJALEIN AT	OLL	PROJECT 614: ARMY KWAJALEIN ATOLL			
B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 OCO Plans: FY 2011 OCO						
Program #7		50.441	47.744	49.017	0.000	49.017
Continue to support Army, MDA, NASA and Air Force developmental	and operational missile testing.					
FY 2009 Accomplishments: FY 2010 Plans: FY 2010 FY 2011 Base Plans: FY 2011 Base FY 2011 OCO Plans: FY 2011 OCO						
Program #8 Provide logistical support (facilities maintenance and repair, aviation, au education, information management, environmental compliance, etc.) to FY 2009 Accomplishments:		57.408	50.700	52.070	0.000	52.070
FY 2009 FY 2010 Plans: FY 2010						

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army	DATE: February 2010		
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BA 6: RDT&E Management Support			
B. Accomplishments/Planned Program (\$ in Millions)			

FY 2011

FY 2011

FY 2011

FY 2009 FY 2010 Base OCO **Total** FY 2011 Base Plans: FY 2011 Base FY 2011 OCO Plans: FY 2011 OCO Program #9 7.400 4.925 3.892 4.925 0.000 Provide for RTS Distributed Operations (distributed operations of the Range sensors from Continental U.S.). FY 2009 Accomplishments: FY 2009 FY 2010 Plans: FY 2010

FY 2011 Base
FY 2011 OCO Plans:
FY 2011 OCO

Program #10
Small Business Innovative Research/Small Business Technology Transfer Programs
FY 2009 Accomplishments:
FY 2009

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 6: RDT&E Management Support	R-1 ITEM NOMENCLATURE PE 0605301A: ARMY KWAJALEIN ATOLL		PROJECT 614: ARMY KWAJALEIN ATOLL			
B. Accomplishments/Planned Program (\$ in Millions)						
	FY 2	009 FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
FY 2010 Plans: FY 2010						
FY 2011 Base Plans: FY 2011 Base						
FY 2011 OCO Plans: FY 2011 OCO						

Accomplishments/Planned Programs Subtotals

169.367

162.662

163.788

0.000

163.788

C. Other Program Funding Summary (\$ in Millions)

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.