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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2013 Army	<b>DATE:</b> February 2012
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<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 6: <i>RDT&amp;E Management Support</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0605301A: <i>ARMY KWAJALEIN ATOLL</i>
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COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	190.005	145.377	176.816	-	176.816	65.955	63.882	61.321	59.428	Continuing	Continuing
614: <i>ARMY KWAJALEIN ATOLL</i>	190.005	145.377	176.816	-	176.816	65.955	63.882	61.321	59.428	Continuing	Continuing

**Note**

Additional funding in FY11 and FY13 for USAKA/RTS Sustainment, Restoration and Modernization (SRM)

**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 acquisition programs and to provide space operations (surveillance and object identification) in support of U.S. Strategic Command (USSTRATCOM) and National Aeronautics and Space Administration (NASA) scientific and space programs. Programs supported include Army missile defense, Air Force and Navy Intercontinental Ballistic Missile (ICBM) developmental and operational tests; Army, Air Force and Defense Advanced Research Projects Agency (DARPA) hypersonic developmental tests; Missile Defense Agency (MDA) demonstration/validation tests; , USSTRATCOM space situational awareness requirements (inc contributions to the U.S. Space Surveillance Network); and NASA Space Shuttle and orbital debris experiments. USAKA/RTS is a government-managed/contractor-operated (GMCO) site and is dependent upon its associated support contractors for operations and maintenance (O&M). Program funds contractors to accomplish O&M for both the RTS instrumentation suite and installation/base operations 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 instrumentation suite 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; an underwater acoustic impact location system; and data analysis/reduction hardware/software. 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. Funding enables weapon system assessment of operational effectiveness and suitability for the Army, Air Force, Navy and MDA, which all have programs planned that have significant test and data gathering requirements at USAKA/RTS. This test data cannot be obtained except through the use of technical facilities available on and in the vicinity of USAKA/RTS. Program supports Army's PATRIOT air defense system and the Advanced Hypersonic Weapon technology development program; Air Force's Minuteman III ICBM and the Space and Missile Center's associated programs; MDA's Ballistic Missile Defense System, Flexible Target Family (FTF), and Family of Systems; NASA's Space Transportation System (STS), Small Expendable Deployer System and Orbital Debris Measurement Programs.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Army				DATE: February 2012	
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 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	163.788	145.606	149.178	-	149.178
Current President's Budget	190.005	145.377	176.816	-	176.816
Total Adjustments	26.217	-0.229	27.638	-	27.638
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-4.606	-			
• Adjustments to Budget Years	-	-	27.638	-	27.638
• Other Adjustments 1	30.823	-0.229	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Army									DATE: February 2012		
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			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
614: ARMY KWAJALEIN ATOLL	190.005	145.377	176.816	-	176.816	65.955	63.882	61.321	59.428	Continuing	Continuing
Quantity of RDT&E Articles											

**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 acquisition programs and to provide space operations (surveillance and object identification) in support of U.S. Strategic Command (USSTRATCOM) and National Aeronautics and Space Administration (NASA) scientific and space programs. Programs supported include Army missile defense, Air Force and Navy Intercontinental Ballistic Missile (ICBM) developmental and operational tests; Army, Air Force and Defense Advanced Research Projects Agency (DARPA) hypersonics developmental tests; Missile Defense Agency (MDA) demonstration/validation tests; , USSTRATCOM space situational awareness requirements (inc contributions to the U.S. Space Surveillance Network); and NASA Space Shuttle and orbital debris experiments. USAKA/RTS is a government-managed/contractor-operated (GMCO) site and is dependent upon its associated support contractors for operations and maintenance (O&M). Program funds contractors to accomplish O&M for both the RTS instrumentation suite and installation/base operations 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 instrumentation suite 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; an underwater acoustic impact location system; and data analysis/reduction hardware/software. 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. Funding enables weapon system assessment of operational effectiveness and suitability for the Army, Air Force, Navy and MDA, which all have programs planned that have significant test and data gathering requirements at USAKA/RTS. This test data cannot be obtained except through the use of technical facilities available on and in the vicinity of USAKA/RTS. Program supports Army's PATRIOT air defense system and the Advanced Hypersonic Weapon technology development program; Air Force's Minuteman III ICBM and the Space and Missile Center's associated programs; MDA's Ballistic Missile Defense System, Flexible Target Family (FTF), and Family of Systems; NASA's Space Transportation System (STS), Small Expendable Deployer System and Orbital Debris Measurement Programs.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<b>Title:</b> Management Support	10.420	10.438	10.300
<b>Articles:</b>	0	0	
<b>Description:</b> Funding is provided for the following effort			
<b>FY 2011 Accomplishments:</b>			

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Army		DATE: February 2012		
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 Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013
Continued to provide management support (salaries, training, travel, Space & Missile Defense Command (SMDC) matrix, etc). <b>FY 2012 Plans:</b> Will continue to provide management support (salaries, training, travel, Space & Missile Defense Command (SMDC) matrix, etc) to support test and evaluation of major Army and DoD missile systems and to provide space operations-surveillance and object identification. <b>FY 2013 Plans:</b> We will continue to provide management support (salaries, training, travel, Space & Missile Defense Command (SMDC) matrix, etc) to support test and evaluation of major Army and DoD missile systems and to provide space operations-surveillance and object identification.				
<b>Title:</b> Sustainment and Restoration/Modernization  <b>Description:</b> Funding is provided for the following effort  <b>FY 2011 Accomplishments:</b> Continued to accomplish facility maintenance and repaired projects, including design and demolition. <b>FY 2013 Plans:</b> We will continue to accomplish facility maintenance and repair projects, including design and demolition.		Articles: 35.717 0	-	30.000
<b>Title:</b> Procure petroleum, oils and lubricants (POL).  <b>Description:</b> Funding is provided for the following effort  <b>FY 2011 Accomplishments:</b> Continued to procure petroleum, oils and lubricants (POL). <b>FY 2012 Plans:</b> Will continue to procure petroleum, oils and lubricants (POL). Approx 80% of POL is for power generation and the remainder is for intra atoll marine and aviation transportation. <b>FY 2013 Plans:</b> We will continue to procure petroleum, oils and lubricants (POL).		Articles: 20.213 0	23.114 0	23.000
<b>Title:</b> Procure other mission services.		Articles: 2.153 0	2.115 0	2.160

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013
Description: Funding is provided for the following effort  FY 2011 Accomplishments: Continued to procure other mission services.  FY 2012 Plans: Will continue to procure other mission services.  FY 2013 Plans: We will continue to procure other mission services.				
Title: Transportation  Description: Funding is provided for the following effort  FY 2011 Accomplishments: Continued to provide air and sea transportation (cargo to and from continental United States).  FY 2012 Plans: Will continue to provide air and sea transportation (cargo to and from continental United States).  FY 2013 Plans: We will continue to provide air and sea transportation (cargo to and from continental United States).		Articles: 4.532 0	7.072 0	7.200
Title: Kwajalein Cable System (KCS)  Description: Funding is provided for the following effort  FY 2011 Accomplishments: Continued to provide funding for Kwajalein Cable System (KCS) fiber optic cable for annual service contract.  FY 2012 Plans: Will continue to provide funding for Kwajalein Cable System (KCS) fiber optic cable for annual service contract.  FY 2013 Plans: We will continue to provide funding for Kwajalein Cable System (KCS) fiber optic cable for annual service contract.		Articles: 10.958 0	11.197 0	11.400
Title: Direct Customers		49.017	48.142	49.017

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<b>Articles:</b>  <b>Description:</b> Funding is provided for the following effort  <b>FY 2011 Accomplishments:</b> Continued to support Army, MDA, NASA and Air Force developmental and operational missile testing.  <b>FY 2012 Plans:</b> Will continue to support Army, MDA, NASA and Air Force developmental and operational missile testing.  <b>FY 2013 Plans:</b> Will continue to support Army, MDA, NASA and Air Force development and operational missile testing.		0	0	
<b>Title:</b> Logistical Support of the self-contained islands of USAKA  <b>Description:</b> Funding is provided for the following effort  <b>FY 2011 Accomplishments:</b> Continued to 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.  <b>FY 2012 Plans:</b> Will continue to provide logistical support (facilities maintenance and repair, aviation, automotive, marine, medical, food services, education, information management , DIACAP certification and accreditation, environmental compliance, etc.) to self contained islands of USAKA.  <b>FY 2013 Plans:</b> We will continue to provide logistical support (facilities maintenance and repair, aviation, automotive, marine, medical, food services, education, information management, DIACAP certification and accreditation, environmental compliance, etc.) to self contained islands of USAKA.  <b>Title:</b> RTS Distributed Operations		52.070 0	38.462 0	40.539
<b>Articles:</b>  <b>Description:</b> Funding is provided for the following effort  <b>FY 2011 Accomplishments:</b>		4.925 0	4.837 0	3.200

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>
Continued to provide for RTS Distributed Operations (distributed operations of the Range sensors from Continental U.S.).			
<b>FY 2012 Plans:</b> Will continue to provide for RTS Distributed Operations (distributed operations of the Range sensors from Continental U.S.).			
<b>FY 2013 Plans:</b> We will continue to provide for RTS Distributed Operations (distributed operations of the Range sensors from Continental U.S.).			
<b>Accomplishments/Planned Programs Subtotals</b>		190.005	145.377
<b>C. Other Program Funding Summary (\$ in Millions)</b> N/A			
<b>D. Acquisition Strategy</b> N/A			
<b>E. Performance Metrics</b> 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.			