Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army

R-1 Program Element (Number/Name)

2040: Research, Development, Test & Evaluation, Army I BA 6: RDT&E

PE 0605301A I ARMY KWAJALEIN ATOLL

Date: March 2014

Management Support

Appropriation/Budget Activity

management Support												
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	162.089	193.555	176.041	-	176.041	179.830	182.878	186.344	185.462	-	-
614: Army Kwajalein Atoll	-	162.089	0.417	-	-	-	-	-	-	-	-	-
DW7: Army Kwajalein Atoll Facilities Sustainment	-	-	32.981	32.967	-	32.967	33.584	34.192	35.645	34.914	-	-
DW8: Army Kwajalein Atoll Installation Services	-	-	74.852	74.933	-	74.933	76.443	77.773	78.982	79.004	-	-
DW9: Army Kwajalein Atoll Restoration And Modernization	-	-	9.595	1.965	-	1.965	1.967	1.970	1.973	2.012	-	-
DX2: Army Kwajalein Test Ranges and Mission Support	-	-	75.710	66.176	-	66.176	67.836	68.943	69.744	69.532	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

PE 0605301A: ARMY KWAJALEIN ATOLL

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

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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army Date: March 2014

Appropriation/Budget Activity

R-1 Program Element (Number/Name) PE 0605301A I ARMY KWAJALEIN ATOLL

2040: Research, Development, Test & Evaluation, Army I BA 6: RDT&E

Management Support

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. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	176.816	193.658	188.877	-	188.877
Current President's Budget	162.089	193.555	176.041	-	176.041
Total Adjustments	-14.727	-0.103	-12.836	-	-12.836
 Congressional General Reductions 	-0.253	-0.103			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
 Reprogrammings 	3.076	-			
SBIR/STTR Transfer	-3.263	-			
 Adjustments to Budget Years 	-	-	-12.836	-	-12.836
Other Adjustments	-14.287	-	-	-	-

Exhibit R-2A, RDT&E Project Ju	ustification	: PB 2015 A	rmy							Date: Marc	ch 2014	
Appropriation/Budget Activity 2040 / 6	ivity R-1 Program Element (Number/Name) Project (Number/Name) PE 0605301A I ARMY KWAJALEIN ATOLL 614 I Army Kwajalein Atoll			,								
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
614: Army Kwajalein Atoll	-	162.089	0.417	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	_	-	-	-	-		

[#] The FY 2015 OCO Request will be submitted at a later date.

Note

Not applicable for this item.

A. Mission Description and Budget Item Justification

. Mission Description and Budget Item Justification: Project 614, 665301.614 is realigned to Project DX2, allocation 65301.DX2. Project Element 665301.614 is realigned to 5 Project Elements: 665301.614, 665301.DX2, 665301.DW7, 665301.DW8 and 665301.DW9. Funding for management and contracting personnel support (salaries and travel) to enable the management of the test and evaluation of major Army and DoD missile systems for the Ronald Reagan Ballistic Missile Defense Test Site (RTS) will be funded by Project Element 665301.DX2 starting FY15. 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 Shuttleand orbital debris experiments. USAKA/RTS is a government-managed/contractoroperated (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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PE 0605301A: ARMY KWAJALEIN ATOLL

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army		Date: March 2014
11	R-1 Program Element (Number/Name)	Project (Number/Name)
2040 / 6	PE 0605301A I ARMY KWAJALEIN ATOLL	614 I Army Kwajalein Atoll

	uning revagance	III Atoli	
in Each)	FY 2013	FY 2014	FY 2015
Articles:	10.300	0.417	-
Articles:	30.000		-
esign and demolition.			
Articles:	23.000		-
Articles:	2.160		-
Articles:	7.200	-	-
	Missile Defense Command (SMDC) matrix, etc) provide space operations-surveillance and object Missile Defense Command (SMDC) matrix, etc) provide space operations-surveillance and object Articles: esign and demolition. Articles:	in Each) Articles: Missile Defense Command (SMDC) matrix, etc) provide space operations-surveillance and object Missile Defense Command (SMDC) matrix, etc) provide space operations-surveillance and object Articles: Articles: 23.000 Articles: 7.200	Missile Defense Command (SMDC) matrix, etc) provide space operations-surveillance and object Missile Defense Command (SMDC) matrix, etc) provide space operations-surveillance and object Articles: Articles: 23.000 - Articles: 7.200 -

PE 0605301A: ARMY KWAJALEIN ATOLL

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army		Date: N	larch 2014			
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605301A I ARMY KWAJALEIN ATOLL	Project (Number/Name) 614 <i>I Army Kwajalein Atoll</i>				
B. Accomplishments/Planned Programs (\$ in Millions, Article Qu	FY 2013	FY 2014	FY 2015			
Description: Funding is provided for the following effort						
FY 2013 Accomplishments: Continued to provide air and sea transportation (cargo to and from co	ontinental United States).					
Title: Kwajalein Cable System (KCS)	Art	11.400 icles:	-	-		
Description: Funding is provided for the following effort						
FY 2013 Accomplishments: Continued to provide funding for Kwajalein Cable System (KCS) fiber	optic cable for annual service contract.					
Title: Direct Customers	Art	49.017 <i>icles:</i>		-		
Description: Funding is provided for the following effort						
FY 2013 Accomplishments: Continued to support Army, MDA, NASA and Air Force development	and operational missile testing.					
Title: Logistical Support of the self-contained islands of USAKA	Art	25.812 icles:				
Description: Funding is provided for the following effort						
FY 2013 Accomplishments: Continued to provide logistical support (facilities maintenance and reeducation, information management, DIACAP certification and accresislands of USAKA.						
Title: RTS Distributed Operations	Aus	3.200 icles:	-	-		
Description: Funding is provided for the following effort	Art	icies: -	-	-		
FY 2013 Accomplishments: Continued to provide for RTS Distributed Operations (distributed ope	rations of the Range sensors from Continental U.S.).					
, , , , , , , , , , , , , , , , , , , ,	Accomplishments/Planned Programs Sub	otals 162.089	0.417	-		

PE 0605301A: ARMY KWAJALEIN ATOLL UNCLASSIFIED

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army			Date: March 2014
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605301A I ARMY KWAJALEIN ATOLL	Project (N 614 / Army	umber/Name) / Kwajalein Atoll
C. Other Program Funding Summary (\$ in Millions) N/A			
<u>Remarks</u>			
D. Acquisition Strategy N/A			
E. Performance Metrics N/A			

PE 0605301A: *ARMY KWAJALEIN ATOLL* Army

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army Date: March 2014												
Appropriation/Budget Activity 2040 / 6					_	05301A <i>I ARMY KWAJALEIN ATÓLL</i> D			Project (Number/Name) DW7 I Army Kwajalein Atoll Facilities Sustainment			ies
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
DW7: Army Kwajalein Atoll Facilities Sustainment	-	-	32.981	32.967	-	32.967	33.584	34.192	35.645	34.914	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

^{*} The FY 2015 OCO Request will be submitted at a later date.

Note

Program was previously in a different Program Element/Project-665301-DX2.

A. Mission Description and Budget Item Justification

Maintains US Army Kwajalein Atoll Installation facilities in the current condition and includes regularly scheduled adjustments and inspections, preventative maintenance tasks, and emergency response for minor repairs as well as major repairs or replacement of facility components expected to occur periodically throughout the life cycle of facilities.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
Title: Facility Sustainment	-	32.981	32.967
Articles:	-	-	-
Description: Facilities Sustainment			
FY 2014 Plans: Maintains faciltiy infrastructure on US Army Garrison Kwajalein Atoll (USAGKA).			
FY 2015 Plans: Will Maintain faciltiy infrastructure on US Army Garrison Kwajalein Atoll (USAGKA).			
Accomplishments/Planned Programs Subtotals	-	32.981	32.967

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

N/A

Remarks

D. Acquisition Strategy

N/A

Army

PE 0605301A: ARMY KWAJALEIN ATOLL

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army	Date: March 2014				
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605301A I ARMY KWAJALEIN ATOLL	Project (Number/Name) DW7 I Army Kwajalein Atoll Facilities Sustainment			
E. Performance Metrics N/A					

PE 0605301A: *ARMY KWAJALEIN ATOLL* Army

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army Date: March 2014												
Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605301A I ARMY KWAJALEIN ATOLL DW8 I Army KV Services				r/Name) njalein Atoll Installation			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
DW8: Army Kwajalein Atoll Installation Services	-	-	74.852	74.933	-	74.933	76.443	77.773	78.982	79.004	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

^{*} The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

The U.S. Army Kwajalein (USAKA) 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. USAKA 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 installation/base operations other Installation Services Support (ISS). Funding is required to maintain O&M support, while accepting moderate risk of continued degradation of USAKA infrastructure (housing, offices, and facilities), higher future repair costs, and reduced logistical support capability. Other ISS consists of: Medical services, education services, food /grocery services and logistical requirements needed to support Installation Operations and Management and ensure the continued T&E and space operations of the Regan Test Site as a Major Range and Test Facility Base (MRTFB) activity.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
Title: Base Operations Support	-	40.521	39.784
Articles:	-	-	-
Description: Provides for Base Operations to ensure the health, safety and welfare of Garrison and Tennant personnel and families. Provides for Base Operations to ensure the health, safety and welfare of Garrison and Tennant personnel and families. Functions supported, Installation Management, Administrative and Civil Law, Criminal Law and Discipline, Client Services, Claims, Religious Support, Public Affairs, Equal Employment Opportunity (EEO), Internal Review, Installation Safety and Occupational Health, Administrative Services. Program/Budget. Support Agreement/Memorandums of Understanding /Memorandums of Agreement (MOU/MOA) Management, Management Accounting, Installation Tables of Distribution and Allowance (TDA) Management, Management Analysis, Unaccompanied Personnel Housing and Basic Officers Quarters Management, Family Housing Management, Army Substance Abuse Program, Army Community Services, Child and Youth Sports, Recreation, and Libraries, Business Operations, Schools, Fire and Emergency Response Services, Custodial Services, Refuse Removal, Maintenance - Grounds, Electrical Services, Heating/Cooling Services, Water Services, Waste Water Services, Other Utility Services, Compliance Programs, Conservation Programs, Pollution Prevention Programs, Indoor Pest Management, Outdoor Pest Management, Physical Security, Law Enforcement Services, Anti-Terrorism Services, Installation Security Program Management			

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PE 0605301A: ARMY KWAJALEIN ATOLL

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army			Date: I	March 2014	
Appropriation/Budget Activity 2040 / 6	Project (Number/Name) DW8 I Army Kwajalein Atoll Installatio Services				
B. Accomplishments/Planned Programs (\$ in Millions, Article C	Quantities in Each)	FY	2013	FY 2014	FY 2015
Support, Army Emergency Management Services, Military Personn Command and Control (Emergency Disaster Prep), Host Nation Se	·	ation,			
Provides for Base Operations to ensure the health, safety and welfare for Base Operations to ensure the health, safety and welfare of Gar supported, Installation Management, Administrative and Civil Law, Religious Support, Public Affairs, Equal Employment Opportunity (Elealth, Administrative Services. Program/Budget. Support Agreement Agreement (MOU/MOA) Management, Management Accounting, In Management, Management Analysis, Unaccompanied Personnel Housing Management, Army Substance Abuse Program, Army Cor and Libraries, Business Operations, Schools, Fire and Emergency Maintenance - Grounds, Electrical Services, Heating/Cooling Services, Compliance Programs, Conservation Programs, Pollution Management, Physical Security, Law Enforcement Services, Anti-T Support, Army Emergency Management Services, Military Personn Command and Control (Emergency Disaster Prep), Host Nation Se	rrison and Tennant personnel and families. Functions Criminal Law and Discipline, Client Services, Claims, EEO), Internal Review, Installation Safety and Occupation ent/Memorandums of Understanding/Memorandums of Installation Tables of Distribution and Allowance (TDA) Housing and Basic Officers Quarters Management, Family Immunity Services, Child and Youth Sports, Recreation, Response Services, Custodial Services, Refuse Removal Ces, Water Services, Waste Water Services, Other Utility In Prevention Programs, Indoor Pest Management, Outdoor Ferrorism Services, Installation Security Program Management Services, Civilian Personnel Services, Continuing Education	al , r Pest ment			
Provides for Base Operations to ensure the health, safety and welfare of Base Operations to ensure the health, safety and welfare of Gar supported, Installation Management, Administrative and Civil Law, Religious Support, Public Affairs, Equal Employment Opportunity (E Health, Administrative Services. Program/Budget. Support Agreement Agreement (MOU/MOA) Management, Management Accounting, In Management, Management Analysis, Unaccompanied Personnel Housing Management, Army Substance Abuse Program, Army Cor and Libraries, Business Operations, Schools, Fire and Emergency Maintenance - Grounds, Electrical Services, Heating/Cooling Services, Compliance Programs, Conservation Programs, Pollution Management, Physical Security, Law Enforcement Services, Anti-T	crison and Tennant personnel and families. Functions Criminal Law and Discipline, Client Services, Claims, EEO), Internal Review, Installation Safety and Occupation ent/Memorandums of Understanding /Memorandums of Installation Tables of Distribution and Allowance (TDA) Housing and Basic Officers Quarters Management, Family Immunity Services, Child and Youth Sports, Recreation, Response Services, Custodial Services, Refuse Removal Ces, Water Services, Waste Water Services, Other Utility In Prevention Programs, Indoor Pest Management, Outdoor	al , r Pest			

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PE 0605301A: ARMY KWAJALEIN ATOLL Page 10 of 22 R-1 Line #139 Army

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army			Date: March 2014
Appropriation/Budget Activity	, ,	- 3 (umber/Name)
2040 / 6	PE 0605301A I ARMY KWAJALEIN ATOLL		ny Kwajalein Atoll Installation
		Services	

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
Support, Army Emergency Management Services, Military Personnel Services, Civilian Personnel Services, Continuing Education, Command and Control (Emergency Disaster Prep), Host Nation Services, Protocol Services.			
Title: Logistical Support Articles:	-	27.207	28.126 -
Description: Provides All Logistics Functions to include Water transportation and Air Field Operations along with Transportation, Supply, Laundry, Food Service and Maintenance. Supply provides for installation supply operations which include: Ammunition Supply Point services, secondary items and bulk petroleum for garrison and non-brigade tenant units, operation of a central receiving point for goods delivered to the installation, management of Organizational Clothing and Individual Equipment (OCIE), management of non-deployable installation property, and receipt, storage, issue, reutilization and tracking of hazardous materials. Maintenance includes DS/GS support maintenance (Non-Tactical Support). Provides funding for installation supply operations which include: Ammunition Supply Point services, secondary items and bulk petroleum for garrison and non-brigade tenant units, operation of a central receiving point for goods delivered to the installation, management of OCIE, management of non-deployable installation property, and receipt, storage, issue, reutilization and tracking of hazardous materials. Maintenance includes DS/GS support maintenance (Non-Tactical Support). Transportation includes the operation of transportation motor pools, installation transportation offices, intra-installation rail equipment, and cost of leased vehicles; also includes storage and movement of privately-owned household goods of military personnel (and civilian personnel in overseas areas) in connection with assignment, reassignment, or termination of government-furnished family housing when no PCS orders are issued. Excludes OSA and Watercraft. Laundry account funds Government Owned Government Operated (GOGO), Government Owned Contractor Operated (GOCO), and Contractor Owned Contractor Operated (COCO) facilities that provide laundry and dry cleaning service for OCIE items to units IAW AR 210-130. Food account funds the operation of Active, Guard, and Reserve dining facilities and Troop lessue Subsistence Activities (TISA), inclu			
FY 2014 Plans: Transportation, Supply, Laundry, Food Service and Maintenance. Supply provides for installation supply operations which include: Ammunition Supply Point services, secondary items and bulk petroleum for garrison and non-brigade tenant units, operation of a central receiving point for goods delivered to the installation, management of OCIE, management of non-deployable installation property, and receipt, storage, issue, reutilization and tracking of hazardous materials. Maintenance includes DS/GS support maintenance (Non-Tactical Support). Provides funding for installation supply operations which include: Ammunition Supply Point services, secondary items and bulk petroleum for garrison and non-brigade tenant units, operation of a central			

PE 0605301A: ARMY KWAJALEIN ATOLL UNCLASSIFIED

receiving point for goods delivered to the installation, management of OCIE, management of non-deployable installation property, and receipt, storage, issue, reutilization and tracking of hazardous materials. Maintenance includes DS/GS support maintenance (Non-Tactical Support). Transportation includes the operation of transportation motor pools, installation transportation offices,

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army			Date: N	larch 2014			
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605301A I ARMY KWAJALEIN ATOLL	_	ject (Number/Name) 8 I Army Kwajalein Atoll Installatio vices				
3. Accomplishments/Planned Programs (\$ in Millions, Article	<u> Quantities in Each)</u>		FY 2013	FY 2014	FY 2015		
intra-installation rail equipment, and cost of leased vehicles; also goods of military personnel (and civilian personnel in overseas are of government-furnished family housing when no PCS orders are Government Owned Government Operated (GOGO), Government Contractor Operated (COCO) facilities that provide laundry and defeod account funds the operation of Active, Guard, and Reserve including pay of government and contract employees, food services.	reas) in connection with assignment, reassignment, or terminal issued. Excludes OSA and Watercraft. Laundry account funt Owned Contractor Operated (GOCO), and Contractor Owlry cleaning service for OCIE items to units IAW AR 210-130 dining facilities and Troop Issue Subsistence Activities (TIS)	nation nds vned).					
Transportation, Supply, Laundry, Food Service and Maintenance include: Ammunition Supply Point services, secondary items and operation of a central receiving point for goods delivered to the ininstallation property, and receipt, storage, issue, reutilization and GS support maintenance (Non-Tactical Support). Provides funding Supply Point services, secondary items and bulk petroleum for gareceiving point for goods delivered to the installation, managementand receipt, storage, issue, reutilization and tracking of hazardous (Non-Tactical Support). Transportation includes the operation of tentra-installation rail equipment, and cost of leased vehicles; also goods of military personnel (and civilian personnel in overseas are of government-furnished family housing when no PCS orders are Government Owned Government Operated (GOGO), Government Contractor Operated (COCO) facilities that provide laundry and defood account funds the operation of Active, Guard, and Reserve including pay of government and contract employees, food services and the service of the servic	bulk petroleum for garrison and non-brigade tenant units, istallation, management of OCIE, management of non-deplot tracking of hazardous materials. Maintenance includes DS/ng for installation supply operations which include: Ammunit arrison and non-brigade tenant units, operation of a central nt of OCIE, management of non-deployable installation props materials. Maintenance includes DS/GS support maintenatransportation motor pools, installation transportation offices includes storage and movement of privately-owned househeas) in connection with assignment, reassignment, or terminate issued. Excludes OSA and Watercraft. Laundry account function to the contractor of the	on perty, ince , old nation nds //ned					
Title: Medical Support	_		-	7.124	7.02		
Description: Salaries for contractor, contractor oversight person for all Medical functions to include inspections of Medical facilities FY 2014 Plans:	nel and personnel performing inherently governmental miss	ions	-	-	-		

PE 0605301A: ARMY KWAJALEIN ATOLL

	PE 0605301A I ARMY KWAJALEIN ATOLL DW8 I				
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (N			
2040 / 6	PE 0605301A I ARMY KWAJALEIN ATOLL	DW8 I Arr	allation		
		Services			
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in	<u>n Each)</u>	F	/ 2013	FY 2014	FY 2015
Salaries for contractor, contractor oversight personnel and personnel performin	ig inherently governmental missions for all Me	dical			
functions to include inspections of Medical facilities and calibration of equipmer	nt.				
FY 2015 Plans:					

Accomplishments/Planned Programs Subtotals

Salaries for contractor, contractor oversight personnel and personnel performing inherently governmental missions for all Medical

functions to include inspections of Medical facilities and calibration of equipment.

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

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army

N/A Remarks

D. Acquisition Strategy N/A

E. Performance Metrics

N/A

PE 0605301A: ARMY KWAJALEIN ATOLL Army

Date: March 2014

74.852

74.933

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army							Date: March 2014					
1			R-1 Program Element (Number/Name) PE 0605301A I ARMY KWAJALEIN ATOLL				Project (Number/Name) DW9 I Army Kwajalein Atoll Restoration And Modernization					
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
DW9: Army Kwajalein Atoll Restoration And Modernization	-	-	9.595	1.965	-	1.965	1.967	1.970	1.973	2.012	-	-
Quantity of RDT&E Articles	_	-	-	-	-	-	-	-	-	-		

^{*} The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

Funds the Restoration US Army Kwajalein Atoll Installation critical infrastructure (real property /facilities) to such a condition that they may be used for original designated purpose. Restoration includes repair or replacement work to restore facilities damaged by inadequate sustainment, excessive age, natural disaster, fire, accident, or other causes. Funds the alteration or replacement of facilities to implement new or higher standards, to accommodate new functions, and to replace building components that last more than 50 years (such as the framework or foundation)

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
Title: Facility Restoration / Modernization	_	9.595	1.965
Articles:	-	-	-
Description: Funding is provided for the following effort provides for updates and/or replacement of infrastructure critical to the mission and well being of the island tennants. Restores facilities at risk to the health and safety of the civilians, military, and families stationed on the island due to inadequate sustainment in past years.			
FY 2014 Plans: Funding is provided for the following effort provides for updates and/or replacement of infrastructure critical to the mission and well being of the island tennants. Restores facilities at risk to the health and safety of the civilians, military, and families stationed on the island due to inadequate sustainment in past years.			
FY 2015 Plans: Will provide for updates and/or replacement of infrastructure critical to the mission and well being of the island tennants. Will restore facilities currently at risk to the health and safety of the civilians, military, and families stationed on the island due to inadequate sustainment in past years.			
Accomplishments/Planned Programs Subtotals	-	9.595	1.965

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

N/A

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PE 0605301A: ARMY KWAJALEIN ATOLL

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army		Date: March 2014
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605301A I ARMY KWAJALEIN ATOLL	Project (Number/Name) DW9 I Army Kwajalein Atoll Restoration And Modernization
C. Other Program Funding Summary (\$ in Millions)		
Remarks		
D. Acquisition Strategy N/A		
E. Performance Metrics N/A		

PE 0605301A: *ARMY KWAJALEIN ATOLL* Army

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army								Date: Marc	ch 2014			
Appropriation/Budget Activity 2040 / 6			R-1 Program Element (Number/Name) PE 0605301A / ARMY KWAJALEIN ATOLL				Project (Number/Name) DX2 I Army Kwajalein Test Ranges and Mission Support					
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
DX2: Army Kwajalein Test Ranges and Mission Support	-	-	75.710	66.176	-	66.176	67.836	68.943	69.744	69.532	-	-
Quantity of RDT&E Articles	_	-	-	-	-	-	-	-	-	-		

^{*} The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

A. Mission Description and Budget Item Justification:

SMDC-ARSTRAT - Project DX2 was created in 2013 as allocation for 665301.DX2, realigned from 665301.614. Funding for management and contracting personnel support (salaries and travel) to enable the management of the test and evaluation of major Army and DoD missile systems for the Ronald Reagan Ballistic Missile Defense Test Site (RTS) will be funded by Project Element 665301.DX2 starting FY15. The mission has increased two-fold since the beginning of FY14. Previously funded for 3 work-years to provide contracting support but now the mission requires 6 work-years. The Headquarters, Army Material Command (HQ AMC) would receive these funds for contracting support missions to the U.S. Army Kwajalein Atoll / Ronald Reagan Ballistic Missile Defense Test Site (USAKA/RTS). The contracting support was transferred from the United States Army Space and Missile Defense Command to the United States Army Contracting Command (subordinate command to HQ AMC) in FY 2013. The Ronald Reagan Ballistic Missile Defense Test Site (RTS) is a tenant on the US Army Garrison – Kwajalein Atoll (USAG-KA), located within the Kwajalein Atoll 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 (Space Situational Awareness; object tracking & identification) in support of U.S. Strategic Command (USSTRATCOM) and National Aeronautics and Space Administration (NASA) scientific and unique 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 Boost-Glide developmental tests; Missile Defense Agency (MDA) demonstration/validation tests; USSTRATCOM space situational awareness requirements (including contributions to the U.S. Space Surveillance Network); and NASA ionospheric, space debris, and missile data collection experiments. 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 drive civilian authorizations to accomplish the contracting support mission which provides end item procurement, life cycle acquisition planning, and solicitation, negotiation, award, execution and management for weapon systems contracts. Program funds contractors to accomplish O&M for RTS instrumentation suites and provides mission essential bandwidth via a fiber optics cable system. 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 ten antennas; an underwater acoustic impact location system; and data analysis/reduction hardware/software and CONUS based mission control center. The Advanced Research Project Agency (ARPA) Long-Range Tracking and Instrumentation Radar (ALTAIR), and the Target Resolution Discrimination Experiment (TRADEX) radars located at RTS, are the only radar in this area of operation that have deep-space tracking capability. The Millimeter Wave Radar (MMW) is one of the highest resolution imaging radar in the world providing critical intelligence data. 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 RTS. This test data cannot be obtained except through the use of technical facilities available on and in the vicinity of RTS. Program supports

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army			Date: March 2014
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (N	umber/Name)
2040 / 6	PE 0605301A I ARMY KWAJALEIN ATOLL	DX2 I Army	/ Kwajalein Test Ranges and
		Mission Su	pport

Army's PATRIOT air defense system and the Advanced Hypersonic Weapon (Boost-Glide) 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 Layered Ballistic Missile Defense operational tests (including: PATRIOT, Terminal High-Altitude Area Defense (THAAD), and AEGIS weapon systems), and NASA's space experiments and Orbital Debris Measurement Programs.

NETCOM - The Network Enterprise Technology Command (NETCOM) funds Department of Army civilian pay, manpower service contracts, supporting IT equipment, and associated costs specifically identified and measurable to plan, manage, coordinate, and execute Information Technology Services Management. Provides Command, Control, Communications, Computers, and Information Management (C4IM) services in accordance with the DA PAM 25-1-1 and the Army C4IM Services List. Provides Base Communications Support (Service 701), Visual Information (Service 702), Information Assurance (Service 703), and Automation (Service 700). Includes the delivery of services consisting of secure and non-secure fixed voice communications, wireless voice, data and video connectivity services, and studio video conferencing services. Provides infrastructure support, including the design, installation, and maintenance of special circuits/systems in support of life safety/ security systems and monitoring/control systems. Provides Collaboration and Messaging Services including services and tools for workforce to communicate and share information. Provides Application and Web-hosting including operation and management services required to support web and application hosting. Provides Desktop Management Support including management and support for end-user hardware and software services and tools. Includes Service Desk Support, Continuity of Operations, and Disaster Recovery support.

Justification: Each of the baseline services provided with this funding are priority zero requirements according to the FY14 Army Chief of Staff priorities. Not funding or reducing the programmed funding will directly impact communications and mission command at all levels on Kwajalein Atoll.

Memorandum of Agreement (MOA) between USASMDC/ARSTRAT and NETCOM: The 16 August 2013 signed MOA between USASMDC/ARSTRAT and NETCOM formally transfers baseline C4IM functional Areas of Responsibility (Base Communications Support, Information Assurance, and Automation) to NETCOM. This MOA defines the roles and responsibilities between USASMDC/NETCOM as well as transfers all USAKA Network Enterprise Center missions, functions, support functions, and programmed resources to support execution of the baseline C4IM Services. Above baseline services will remain an SMDC responsibility to program and support. Recommendation: It is NETCOM's recommendation to transfer these assets within the RDT&E appropriation from RL02 to QOIM to maintain Management Decision Package (MDEP) integrity. Realigning this funding under QOIM will ensure that all assets supporting the delivery of baseline C4IM services are captured within the appropriate mission MDEP in accordance with the definition of QOIM, the Army C4IM Services Catalog Version 4.0, and DA PAM 25-1-1.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
Title: Civilian Pay (RTS)	-	3.600	3.786
Articles:	-	-	-
Description: Funding is provided for the following effort			
FY 2014 Plans: Provided government personnel support (salaries, training, and travel, GPC) to enable the management of the test and evaluation of major Army and DoD missile systems.			
FY 2015 Plans:			

PE 0605301A: ARMY KWAJALEIN ATOLL

PB 2015 Army Date: March 2014	RDT&E Project Justification: PB 2015 Army		
R-1 Program Element (Number/Name) PE 0605301A I ARMY KWAJALEIN ATOLL DX2 I Army Kwajalein Test Ranges a Mission Support	Budget Activity	nges an	าd
n Millions, Article Quantities in Each) FY 2014 FY	ments/Planned Programs (\$ in Millions, Article	FY	2015
pport (salaries, training, and travel, GPC) to enable the management of the test systems.	ovide government personnel support (salaries, tra of major Army and DoD missile systems.		
lian - 0.200	ning/Supplies - Military and Civilian	0	0.21
ing effort	unding is provided for the following effort		
ng, and travel, GPC) to enable the management of the test and evaluation of major	: nment personnel support (training, and travel, GP missile systems.		
pport (training, and travel, GPC) to enable the management of the test and ems.	: rovide government personnel support (training, and ajor Army and DoD missile systems.		
Agencies - 4.600	Obligations/Other Government Agencies	0	4.64
ing effort	unding is provided for the following effort		
or Army and DoD missile systems.	: ort to test and evaluation of major Army and DoD n		
luation of major Army and DoD missile systems	: provide support to test and evaluation of major A		
em) - 12.300 Articles:	tic Cable (Kwajalein Cable System))	12.34 -
ing effort	unding is provided for the following effort		
ole System (KCS) fiber optic cable between Kwajalein Island and Guam, and for	: ng for lease of the Kwajalein Cable System (KCS)		
	<i>:</i>		
	··		

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army			Date: N	larch 2014	
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605301A / ARMY KWAJALEIN ATOLL	DX2 / A	Project (Number/Name) DX2 I Army Kwajalein Test Ranges and Mission Support		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quan	ntities in Each)		FY 2013	FY 2014	FY 2015
Continues to provide funding for lease of the Kwajalein Cable System (I Guam, and for backup satellite	KCS) fiber optic cable between Kwajalein Island and				
Title: RTS Contractor Prime Pay (KRS)	Ar	ticles:	-	37.800	12.60 -
Description: Funding is provided for the following effort					
FY 2014 Plans: Provides technical Operations and Maintenance (O&M) support (test plasystems engineering, flight safety, launch ordnance, Kwajalein Mobile recapability of the Range to support test and space missions.		·,			
FY 2015 Plans: Continues to provide technical Operations and Maintenance (O&M) supmaintenance, systems engineering, flight safety, launch ordnance, Kwa assure the capability of the Range to support test and space missions.)			
Title: Contractor Material	Ar	ticles:		6.610 -	5.95 -
Description: Funding is provided for the following effort					
FY 2014 Plans: Provides critical non-labor materials to maintain critical range capabilities	es and prevent obsolescence in support of test operat	tions.			
FY 2015 Plans: Will continue to provide critical non-labor materials to maintain critical ratest operations.	ange capabilities and prevent obsolescence in suppor	t of			
Title: FFRDC Contractor Pay (MIT/LL)	Ar	ticles:		7.000	6.60
Description: Funding is provided for the following effort					
FY 2014 Plans: Provides technical advice to RTS leadership in support of Range operatechnology.	tions, strategic planning, and technical execution of c	ritical			
FY 2015 Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army			Date: N	larch 2014	
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605301A / ARMY KWAJALEIN ATOLL	Project (Number/Name) DX2 I Army Kwajalein Test Ranges and Mission Support			es and
B. Accomplishments/Planned Programs (\$ in Millions, Article	Quantities in Each)		FY 2013	FY 2014	FY 2015
Will continue to provide technical advice to RTS leadership in sup execution of critical technology.	pport of Range operations, strategic planning, and technical				
Title: Contractor Pay Meteorological	Art	ticles:	-	2.000	2.23
Description: Funding is provided for the following effort					
FY 2014 Plans: Provides support for sustained weather sensing capabilities, including data to test planning and execution.	ding weather reporting via radar data. This capability provi	des			
FY 2015 Plans: Will continue to provide support for sustained weather sensing ca capability provides critical data to test planning and execution.	pabilities, including weather reporting via radar data. This				
Title: Ground Transportation			-	1.300	0.94
	Art	ticles:	-	-	-
Description: Funding is provided for the following effort					
FY 2014 Plans: Provides mission specific material and passenger transportation with Kwajalein Atoll and CONUS.	via air (Air Mobility Command) and sea (SDDC) between				
FY 2015 Plans: Continues to provide mission specific material and passenger transetween Kwajalein Atoll and CONUS	nsportation via air (Air Mobility Command) and sea (SDDC)				
Title: Mission Specific Environmental			-	0.300	0.31
Description: Funding is provided for the following effort	An	ticles:	-	-	_
FY 2014 Plans: Provides the capability to assess and maintain the Range reading	ess and compliance with environmental requirements.				

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army		Date	March 2014	
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quar	ntities in Each)	FY 2013	FY 2014	FY 2015
Will continue to provide the capability to assess and maintain the Rang requirements.	e readiness and compliance with environmental			
Title: USNS Worthy - Shipyard		-	-	4.000
Description: Funding is provided for the following effort				
FY 2015 Plans: Will address obsolescence and maintenance requirements in support of	f upcoming test missions.			
Title: Network Enterprise Technology Command (NETCOM) C4IM		-	_	12.536
Description: Funding is provided for the following effort				
FY 2015 Plans: NETCOM - The Network Enterprise Technology Command (NETCOM) contracts, supporting IT equipment, and associated costs specifically id and execute Information Technology Services Management. Provides Information Management (C4IM) services in accordance with the DA Pa Base Communications Support (Service 701), Visual Information (Service Automation (Service 700). Includes the delivery of services consisting wireless voice, data and video connectivity services, and studio video concluding the design, installation, and maintenance of special circuits/symonitoring/control systems. Provides Collaboration and Messaging Se communicate and share information. Provides Application and Web-horequired to support web and application hosting. Provides Desktop Ma for end-user hardware and software services and tools. Includes Service Recovery support. Justification: Each of the baseline services provided with this funding a Army Chief of Staff priorities. Not funding or reducing the programmed command at all levels on Kwajalein Atoll.	dentified and measurable to plan, manage, coordinate Command, Control, Communications, Computers, are AM 25-1-1 and the Army C4IM Services List. Provided ice 702), Information Assurance (Service 703), and of secure and non-secure fixed voice communication conferencing services. Provides infrastructure support vistems in support of life safety/security systems and revices including services and tools for workforce to esting including operation and management services magement Support including management and support Desk Support, Continuity of Operations, and Disastructure priority zero requirements according to the FY14	e, nd es s, tt,		
	Accomplishments/Planned Programs Sub	ototals	75.710	66.17

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

N/A

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army	Date: March 2014		
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C. Other Program Funding Summary (\$ in Millions)			
Remarks			
D. Acquisition Strategy N/A			
E. Performance Metrics N/A			

PE 0605301A: ARMY KWAJALEIN ATOLL Army