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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Army	Date: May 2017
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605301A / Army Kwajalein Atoll							
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	-	200.393	236.648	246.663	-	246.663	249.157	244.784	240.442	246.989	-	-
DW7: Army Kwajalein Atoll Facilities Sustainment	-	12.884	35.043	41.905	-	41.905	44.212	45.092	45.617	52.546	-	-
DW8: Army Kwajalein Atoll Installation Services	-	117.337	120.086	126.880	-	126.880	127.019	129.896	132.988	134.758	-	-
DW9: Army Kwajalein Atoll Restoration And Modernization	-	6.435	14.810	66.987	-	66.987	66.984	58.559	49.940	47.600	-	-
DX2: Army Kwajalein Test Ranges and Mission Support	-	63.737	66.709	10.891	-	10.891	10.942	11.237	11.897	12.085	-	-

A. Mission Description and Budget Item Justification

This Program Element (PE) is unique in the Research, Development, Test & Evaluation (RDTE) portfolio due to the comprehensive scope of RDTE Installations Management responsibilities on Army Kwajalein Atoll. These responsibilities include provision of the totality of Municipal Services required to maintain a strategically vital Army Garrison and mission support infrastructure in a logistically challenging remote Pacific island chain.

The United States (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) supported by US Army Garrison Kwajalein Atoll (USAG-KA). USAKA/RTS supports test and evaluation of major Army and Department of Defense (DoD) acquisition programs and provides 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. USAG-KA provides Base Operations (BOS), Infrastructure and Services support to the USAKA/RTS mission and other resident Programs. These programs include Army missile defense, Air Force and Navy Intercontinental Ballistic Missile (ICBM) developmental and operational tests; Army, Air Force, Navy and Defense Advanced Research Projects Agency (DARPA) hypersonic developmental tests; Missile Defense Agency (MDA) operational/demonstration/validation tests; USSTRATCOM space situational awareness requirements (including contributions to the U.S. Space Surveillance Network); and space experiments. Operations at Kwajalein Atoll are predominantly government-managed/contractor-operated (GMCO) and are dependent upon associated support contractors for operations and maintenance (O&M). The PE 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. 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 Continental United States (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 radars in this area of operation that have deep-space tracking capability. The Millimeter Wave Radar (MMW) is one of the highest resolution imaging radars in the world providing critical intelligence data. Funding enables weapon system assessment of operational effectiveness and suitability for the Army, Air Force, Navy

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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 Army's PATRIOT air defense system; Air Force's Minuteman III ICBM and the Space and Missile Center's associated programs; MDA's Ballistic Missile Defense System, ICBM Targets, and Layered Ballistic Missile Defense operational tests (including: PATRIOT, Terminal High-Altitude Area Defense (THAAD), and AEGIS weapon systems), and NASA space experiments.

B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	203.905	236.648	248.708	-	248.708
Current President's Budget	200.393	236.648	246.663	-	246.663
Total Adjustments	-3.512	0.000	-2.045	-	-2.045
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-7.619	-			
• Adjustments to Budget Years	0.000	0.000	59.137	-	59.137
• CivPay Adjustments	0.000	0.000	0.033	-	0.033
• Adjustment to Budget Years	4.107	0.000	0.000	-	0.000
• Realignment of Funds to New Program Element	0.000	0.000	-61.215	-	-61.215

Change Summary Explanation

Fiscal Year (FY) 2018 net decrease of \$2.045 Million includes: \$61.215 Million realignment of funds from Project DX2 (Army Kwajalein Test Ranges and Mission Support) to Program Element (PE) 0606002A (Ronald Reagan Ballistic Missile Defense Test Site) / Project XW9 (Reagan Test Site); and \$52 Million increase to Project DW9 (Army Kwajalein Atoll Restoration and Modernization) to fully fund Restoration and Modernization requirements in accordance with approved 10-year plan. The realignment of funds separates Kwajalein installation management functions from the operational and testing functions of the Ronald Reagan Ballistic Missile Defense Test Site, while the increase to Project DW9 continues the process of returning facilities to acceptable standards. Additional Adjustments to Budget Years in this PE include necessary improvements to Base Operations and United States Army Vessel (USAV) Worthy Dry Dock operations, along with inflation adjustments.

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Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605301A / Army Kwajalein Atoll				Project (Number/Name) DW7 / Army Kwajalein Atoll Facilities Sustainment			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
DW7: Army Kwajalein Atoll Facilities Sustainment	-	12.884	35.043	41.905	-	41.905	44.212	45.092	45.617	52.546	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
This Project provides resources for preventive maintenance and repair necessary to sustain Kwajalein facilities preventing further deterioration and allows keeping good facilities in working order and in accordance with industry standards. Proposed Fiscal Year (FY) 2018 funding provides 75% of the Department of Defense (DoD) Facility Sustainment Model (FSM) version 18.2 requirement. Kwajalein facilities currently exhibit significant deterioration due to harsh environmental climate and historical resource shortfalls.												
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2016	FY 2017	FY 2018
Title: Facility Sustainment										12.884	35.043	-
Description: Beginning in FY18, Facility Sustainment activities are delineated into three separate Titles: Army Family Housing, Real Property Maintenance, and Environmental Quality.												
FY 2016 Accomplishments: Sustained deteriorated facilities and allowed improvement to some facility infrastructure on United States (US) Army Garrison Kwajalein Atoll (USAGKA).												
FY 2017 Plans: Sustains current condition of facility infrastructure on US Army Garrison Kwajalein Atoll (USAGKA).												
Title: Army Family Housing (AFH) Maintenance										-	-	2.413
Description: Funds all costs associated with the operations of a residence to include management, services, furnishing and utilities, in the U.S. and foreign locations, excluding leased housing.												
FY 2018 Plans: Fund costs associated with the operations of Family Housing (FH) inventory consisting of 438 units which includes 106 condemned units and is comprised of three different types: housing units constructed of concrete masonry and poured concrete circa 1955 and 1994; units constructed of wood, metal studs and aluminum siding circa 1988, and modular housing (prefabricated, commonly referred to as 'trailers'). The Billeting Section consists of 185 transient rooms; 3 Distinguished Visitor's Quarters; and 6 multi-purpose/recreational housing. Transient housing facilities are located on Kwajalein and Roi-Namur and consist of permanent buildings constructed of concrete masonry. The Unaccompanied Personnel Housing (UPH) inventory consists of 833 units												

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017
comprised of permanent buildings constructed of concrete masonry and poured concrete. UPH units are located on both Kwajalein and Roi-Namur.			FY 2018
Title: Real Property Maintenance Description: Resources maintenance and repair activities necessary to keep a typical inventory of facilities in good working order over their expected service lives. Includes regularly scheduled adjustments and inspections, preventive maintenance tasks and emergency response and service calls for minor repairs. Also includes costs of major repairs or replacement of facility components that are expected to occur periodically throughout the expected service life. This work includes regular roof replacement; refinishing wall surfaces; repairing and replacing electrical, plumbing, heating, and cooling systems; replacing tile and carpeting; and similar types of work. Sustainment, however, is not intended to keep facilities adequately functioning beyond their expected service lives. FY 2018 Plans: FY18 is the second year of a 15-year investment plan and focuses on the repair of the Bucholz Army Airfield runway. This will repair 1000 feet on both ends of the runway down to subgrade, resurface center section of runway, repair aged and deteriorating airfield pavements to include airfield lighting and back up generator. Will continue to service over 1,700 facilities on Kwajalein and Roi-Namur at 11 defense sites totaling 2.6 Million square feet. Will also: establish and implement maintenance based on the USAGKA corrosive environment; prepare maintenance plans and schedules for recurring or preventive maintenance; perform periodic pre-maintenance inspections; perform preventive and corrective maintenance; report the need for major repair, replacement, or rehabilitation; prepare records of maintenance actions performed and deficiencies discovered; and perform post-maintenance inspections.		-	39.378
Title: Environmental Quality Description: Provides manpower and funding necessary to achieve, evaluate, and sustain compliance with appropriate Federal, State, and local environmental laws, Executive Orders, DoD Directives, regulations, and overseas country-specific Final Governing Standards, in order to protect human health and safety and reduce total cost to the Army through environmental compliance, conservation, and pollution prevention. Enables installations to comply with legal environmental mandates and critical stewardship responsibilities that impact management and modernization of installations, while sustaining natural and cultural resources in a manner that provides continued access and long-term use of training lands to support the Army's installation missions. Also includes costs associated with Range Military Construction (MILCON) to address one-time mitigation actions. FY 2018 Plans:		-	0.114

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B. Accomplishments/Planned Programs (\$ in Millions)			FY 2016	FY 2017	FY 2018
Provide necessary/routine environmental quality services to the Installation.					
Accomplishments/Planned Programs Subtotals			12.884	35.043	41.905
C. Other Program Funding Summary (\$ in Millions)					
N/A					
Remarks					
D. Acquisition Strategy					
N/A					
E. Performance Metrics					
N/A					

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Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605301A / Army Kwajalein Atoll				Project (Number/Name) DW8 / Army Kwajalein Atoll Installation Services			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
DW8: Army Kwajalein Atoll Installation Services	-	117.337	120.086	126.880	-	126.880	127.019	129.896	132.988	134.758	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Project resources Base Operations/Installation Services Support for United States (U.S.) Army Kwajalein (USAKA) located in the Republic of the Marshall Islands, a remote, secure activity designated as a Major Range and Test Facility Base. Kwajalein is a government-managed/contractor-operated site and is primarily dependent upon its associated support contracts for the daily operations and maintenance of Base Ops/Installation Services Support. Installation Services Support consists of Medical/Dental Services; Education (K-12) Services; Food/Grocery Services; Contracted Security Guards; Aviation/Marine support; and logistical (fuel/transportation) operations support requirements. Base Operations/Installation Services Support resourcing is a critical enabler to ensure continuity of operations supporting Test and Evaluation and Space Operations of the Reagan Test Site in its role as a Major Range and Test Facility Base Activity.

For Fiscal Year (FY) 16, the "Municipal Services" activity designates the same range of activities later itemized (in FY17 and FY18) into 23 separate functional activities. Realignment into, and addition of, activities in FY17 and FY18 provides a more logical functional segmentation of installation management programs and aligns programs into more discrete/recognizable bins. This breakout facilitates improved programming visibility, articulation, justification, and definition of the unique scope of Army Kwajalein Atoll Installation Services. Activities included in the FY16 "Municipal Services" activity include: Base Operations Support, Logistical Support, Medical/Dental Support, Army Family Housing (AFH) Operations, Army Airfields (AAF) and Heliports (AHP), Army Community Services (ACS), Child and Youth Services (CYS), Engineering Services, Soldier Recreation and Community Support, Fire and Emergency Services (FES), Financial Management (FM) Activities, Food Services, Unaccompanied Housing, Materiel Maintenance, Installation Command and Management, Physical Security Matters, Army Security Programs, Supply Logistics, Transportation Services, Utilities, Environmental Quality, and Anti-Terrorism (AT). For FY18, "Municipal Services" designates resources for municipal services including grounds maintenance, custodial, pest management, solid waste or refuse handling operations, pavement clearance through the removal of snow/ice/sand and street sweeping, and homeless shelter support.

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

	FY 2016	FY 2017	FY 2018
Title: Base Operations Support	-	61.567	-
Description: Provides for Base Operations to ensure the health, safety and welfare of garrison, tenant 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, Resource/Financial Management, 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, Grounds Maintenance, Electrical Services, Heating/Cooling Services, Water Services, Waste			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017
<p>Water Services, Other Utility Services, Compliance and Conservation Programs, Pollution Prevention Programs, Indoor and Outdoor Pest Management, Physical Security, Law Enforcement Services, Anti-Terrorism Services, Installation Security Program Management Support, Army Emergency Management Services, Military Personnel Services, Civilian Personnel Services, Continuing Education, Emergency Disaster Prep, Host Nation Services, and Protocol Services.</p> <p>FY 2017 Plans: Provides for Base Operations to ensure the health, safety and welfare of garrison, tenant 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, Resource/Financial Management, 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, Grounds Maintenance, Electrical Services, Heating/Cooling Services, Water Services, Waste Water Services, Other Utility Services, Compliance and Conservation Programs, Pollution Prevention Programs, Indoor and Outdoor Pest Management, Physical Security, Law Enforcement Services, Anti-Terrorism Services, Installation Security Program Management Support, Army Emergency Management Services, Military Personnel Services, Civilian Personnel Services, Continuing Education, Emergency Disaster Prep, Host Nation Services, and Protocol Services.</p>			
<p>Title: Logistical Support</p> <p>Description: Provides all logistic functions to include marine and air field operations along with transportation, supply, laundry, food service and maintenance. 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). Excludes OSA and Watercraft. Supply provides for installation supply operations which include: Ammunition Supply Point services, 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, secondary items and bulk petroleum for garrison and non-brigade tenant units. Procures petroleum, oils and lubricants (POL) of which approximately 90% of POL is for power generation and the remainder for intra atoll marine and aviation transportation, and for intra-island land transportation and heavy equipment. Laundry account funds Government Owned Contractor Operated (GOCO) and Contractor Owned Contractor Operated (COCO) facilities that provide laundry and dry cleaning service for OCIE items to units in accordance with (IAW) Army Regulation (AR) 210-130. Food account funds the operation of Active, Guard, and Reserve dining facilities and Troop Issue Subsistence Activities (TISA), including pay of government and contract employees, food service supplies, and replacement equipment. Maintenance includes DS/GS support maintenance (Non-Tactical Support).</p>		-	51.828

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B. Accomplishments/Planned Programs (\$ in Millions)			FY 2016	FY 2017	FY 2018
FY 2017 Plans: Provides all logistic functions to include marine and air field operations along with transportation, supply, laundry, food service and maintenance. 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). Excludes OSA and Watercraft. Supply provides for installation supply operations which include: Ammunition Supply Point services, 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, secondary items and bulk petroleum for garrison and non-brigade tenant units. Procures petroleum, oils and lubricants (POL) of which approximately 90% of POL is for power generation and the remainder for intra atoll marine and aviation transportation, and for intra-island land transportation and heavy equipment. Laundry account funds 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 Issue Subsistence Activities (TISA), including pay of government and contract employees, food service supplies, and replacement equipment. Maintenance includes DS/GS support maintenance (Non-Tactical Support).					
Title: Medical/Dental Support Description: Supports a fully operational community hospital, a secondary medical clinic, veterinarian services, physical therapy clinic and a dental clinic. Support includes but is not limited to medical lab and imaging services, pharmacy services, medical services management, and all medical functions to include inspections of medical facilities and calibration of equipment. FY 2017 Plans: Support a fully operational community hospital, a secondary medical clinic, veterinarian services, physical therapy clinic and a dental clinic. Support includes but is not limited to medical lab and imaging services, pharmacy services, medical services management, and all medical functions to include inspections of medical facilities and calibration of equipment.			-	6.691	-
Title: Army Family Housing (AFH) Operations Description: Funds all costs associated with the operations of a residence to include management, services, furnishing and utilities - in the U.S. and foreign locations, excludes leased housing. FY 2018 Plans: Fund costs associated with the operations of Family Housing (FH) inventory consisting of 438 units which includes 106 condemned units and is comprised of three different types: Housing units constructed of concrete masonry and poured concrete circa 1955 and 1994; units constructed of wood, metal studs and aluminum siding circa 1988, and modular housing- prefabricated,			-	-	6.834

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017
commonly referred to as trailers. The Billeting Section consists of 185 transient rooms; 3 Distinguished Visitor's Quarters; and 6 multi-purpose/recreational housing. Transient housing facilities are located on Kwajalein and Roi-Namur and consist of permanent buildings constructed of concrete masonry. The Unaccompanied Personnel Housing (UPH) inventory consists of 833 units comprised of permanent buildings constructed of concrete masonry and poured concrete. UPH units are located on both Kwajalein and Roi-Namur.			
Title: Army Airfields (AAF) and Heliports (AHP) Description: Resources Continental United States (CONUS) and Outside Continental United States (OCONUS) Operations and Maintenance (O&M) for active Army, United States Army Reserve (USAR) and Army National Guard (ARNG) AAF and AHP functions. Provides manpower, equipment acquisition, sustainment and maintenance in support of airfield operations, airfield management, aircraft services, air traffic services (ATS), airspace management and control, and air traffic control equipment maintenance. Includes airfield specific equipment, safety requirements, Hazardous Materials (HAZMAT) support, and airfield obstruction surveys. AAF/AHP functions support Department of Defense (DoD) priorities for Army and joint force capabilities and inter-agency, intra-agency and multinational operations to meet current and future full spectrum requirements. Funds AAF/AHP functions at the necessary state of readiness to support force projection, force generation, homeland security, and air and ground forces combat training, and reduces risk of major accidents/incidents. FY 2018 Plans: Provide services for all mission essential DoD, commercial, and transient aircraft. Operate 2 Airfields and 8 outer islands helipads. Operate and maintain 1 Air Traffic Control (ATC) tower with class D airspace, 2 separate airfield operations and integrated STARS radar for aircraft separation and de-confliction. Support all intra atoll cargo and personnel movements with 2 fixed wing and 4 rotary wing aircraft.		-	-
Title: Army Community Services (ACS) Description: Provides funding and manpower to ensure compliance with statutory and regulatory requirements for Army Community Service and Reserve Component Family Programs to promote self-reliance and satisfaction with military life through Prevention, Education and Training to aid Soldier retention, readiness, morale and Family preparedness. Funding provides support services to equip Families of an expeditionary Army both at installations and geographically dispersed with the right resources at the right time; sustain the All-Volunteer Force by providing high quality and standardized programs and services; and assist them to achieve and maintain a high state of personal readiness and quality of life. Programs prevent Family violence/fatalities through Family Advocacy Programs; provide specialized assistance to Families with Exceptional Family Members (EFMs), Survivors, and Wounded Warriors and their families; provide prevention, education and Family sustainment throughout the deployment cycle for military and civilian personnel and their families; and provide critical financial, employment and relocation education and training to Soldiers and their Families.		-	0.267

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017
FY 2018 Plans: Provide necessary/routine Army Community Services to the Installation.			FY 2018
Title: Child and Youth Services (CYS) Description: Funds child care, youth, and school services (CYSS) programs for children and youth. Funds child and youth spaces required to meet Army's child care and youth participation demand goals (80% child care spaces and 35% youth spaces). Resources the following programs: 1) Child Development Centers; 2) Family Child Care; 3) School Age Care; 4) Youth Programs; 5) Youth Sports & Fitness; 6) School Support Services; 7) Community Based Care; 8) Parent & Outreach Services; 9) Deployment Support Services. Resources staffing levels necessary to minimize risk of child abuse, and the oversight to achieve and maintain DoD Certification (State licensing equivalent) and National Accreditation per statutory requirement and DoD policy. FY 2018 Plans: Continue to provide resources to operate CYS programs on Kwajalein to include a Child Development Center (CDC), School Age Services (SAC) programs, Supplemental Programs and Services (SPS), and Youth programs and services. Establish and maintain developmentally and age-appropriate staff-child/youth interactions, activities, activity schedules and plans, supplies and equipment, furnishings, and environment (both indoors and outdoors) that lead to the social, physical, cognitive, and emotional growth of children up to 18 years. Ensure that youth programs include, at a minimum, seasonal sports programs, 4-H Club programs, Boys and Girls Club of America programs, instructional programs, recreational programs, programs that promote leadership and citizenship, intervention services, and teen programs.		-	2.350
Title: Engineering Services Description: Provides (1) Facility Management and Administration and (2) Installation Engineering Services. Facility Management includes public works management costs, contract management, material procurement, facility data management; to include, Geographic Information System (GIS) and Sustainment Management Systems (SMS) suite implementation/inspections, furnishings management costs, and real property and real estate management. Installation Engineering Services includes facility engineer service contracts, annual inspection of facilities, master planning, overhead of planning and design, and overhead of construction management and non-Sustainment and Restoration Modernization (SRM) service calls. Excludes: vehicle maintenance, in-house shop and contracted personnel who routinely perform facility sustainment activities; and design engineers or project managers or construction inspectors who manage and oversee facility sustainment and construction projects. FY 2018 Plans: Provide necessary/routine engineering services to the Installation.		-	3.601
Title: Soldier Recreation and Community Support		-	8.522

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B. Accomplishments/Planned Programs (\$ in Millions)			FY 2016	FY 2017	FY 2018
<p>Description: Provides resources for the development and delivery of Soldier Programs, Community Recreation, and Direct Common Family and Morale, Welfare and Recreation (FMWR) Support Services that sustain the Total Army, in accordance with (IAW) the Army Campaign Plan and the Chief of Staff of the Army (CSA)'s Strategic Priorities. Programs funded include sports, fitness and aquatics, Better Opportunities for Single Soldiers (BOSS), recreation centers, libraries, outdoor recreation, skill development, bowling (16 lanes or less); Direct Common FMWR Support Services (essential command and control and risk management programs for property, funds and personnel); and as designated by Congress, Category C FMWR activities at remote and isolated sites. These programs resource readiness and resiliency and build upon physical, emotional, social and psychological coping skills; funds support to survivors and enables rehabilitation of Wounded Warriors; funds opportunities for Soldiers and Families to reconstitute for future deployments and prepare Soldiers to reintegrate between deployments; and foster self reliance, morale and a sense of belonging by offering positive discretionary time choices, mitigating aberrant behaviors through individual skill development and team participation.</p> <p>FY 2018 Plans: Continue to provided resources necessary to perform selected retail and base food service operations at the USAKA/Reagan Test Site (RTS) typical of those found in an American community of 1400 population, to meet the needs of USAKA/RTS residents, tenants, satellite activities, range users, and other authorized organizations/personnel on Kwajalein Island, Roi-Namur Island, Meck Island, and on other USAKA/RTS outer islands. Operate a Small Boat Marinas at Kwajalein and Roi-Namur offering watercraft-licensing to include water safety and boating instructions for all classes of available rental boats on a reimbursable basis. Provide postal services to meet the needs of USAKA/RTS residents, tenants, satellite activities, range users, and other authorized organizations/personnel on Kwajalein and Roi-Namur Islands.</p>					
<p>Title: Fire and Emergency Services (FES)</p> <p>Description: Provides resources for fire and emergency services for the installation including preparation for and response and mitigation of aircraft and structural firefighting and rescue, technical rescue, Hazardous Materials and Weapons of mass destruction/Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) responses, and out of control wildfire mitigation in an all-hazard response environment. Includes civilian pay, uniform allowances, personal protection equipment (PPE), fire prevention, fire prevention public education and training.</p> <p>FY 2018 Plans: Fire and Emergency Services are performed in association with the Base Support/Logistics contractor. Provide fire protection services for all USAG-KA and RTS assets, to include facilities, structural, aircraft, shipboard and small watercraft, and wild land fires. Services provide protection for the fire hazards associated with operations and community at USAG-KA and RTS. Provide Fire Protection on Kwajalein and Roi-Namur 24 hours Provided Fire Protection and Emergency Services on Meck during duty hours, mission periods, and hazardous operations. Provide ambulance service on Kwajalein, Meck, and Roi-Namur Islands.</p>			-	-	7.677

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Appropriation/Budget Activity 2040 / 6		R-1 Program Element (Number/Name) PE 0605301A / Army Kwajalein Atoll		Project (Number/Name) DW8 / Army Kwajalein Atoll Installation Services	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2016	FY 2017	FY 2018
Provide fire safety education and activities for the schools and day-care centers and for adult residents of USAG-KA and RTS. Train personnel normally assigned to work on Illeginni, Ennylabegan, Gagan, and Legan islands as their normal and permanent work sites in first aid, Cardiopulmonary Resuscitation (CPR), and operation of fire extinguishers and fire alarm and suppression equipment peculiar to the island. Provide rescue and emergency medical personnel available for immediate dispatch to aircraft or vessel crash site, entry into the ocean or lagoon, and be provisioned for immediate rescue and emergency medical assistance.					
Title: Financial Management (FM) Activities Description: Provides resources for Directorate of Resource Management (DRM) and DRM base support for Army tenants resident on or receiving support from Army installations. Functions of the DRM include program, budget, manpower, documentation, Memorandum of Understanding (MOU)/Memorandum of Agreement (MOA)/Support Agreement management, finance and accounting. FY 2018 Plans: Continue to provide program/budget support and budget execution, financial advisory service and accounting liaison services. Support Audit Readiness through Statement of Budgetary Resource samples. Continue to establish a Inter-service Support Agreements(ISSA). Provide management analysis on manpower requirements and organizational structure analysis. Provide Contracting Officer Representative oversight for the Program Management functions for the base-support contract. Provide resource management support for the development of the new base-support contract.			-	-	0.768
Title: Food Services Description: Provides resources for the operation of Active, Guard, and Reserve dining facilities and Subsistence Supply Management Office (SSMO), including pay of government and contract employees, food service supplies, and replacement equipment. Does not include dollar value of food or costs of Army Field Feeding System associated with Military Table of Operational Equipment (MTOE) units. FY 2018 Plans: Provide services for DoD, contractor, host nation, interagency and intra-agency organizations with multiple facilities on three different islands to include 3 cafeterias, bakery, grocery store, dry/cold warehousing, Army and Air Force Exchange Service (AAFES) retail stores, AAFES food court, catering services and private organizations. Monitored and approved food purchases and preparation. Conduct food service inspections.			-	-	4.385
Title: Unaccompanied Housing Description: Provides resources (manpower and funding) for Government owned and leased Unaccompanied Housing including appropriated funded Army lodging, lifecycle replacement furnishings, leases and other associated costs. Includes purchase, control, moving, management and handling of lifecycle replacement and repair for all unaccompanied housing			-	-	1.543

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Army			Date: May 2017		
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B. Accomplishments/Planned Programs (\$ in Millions)			FY 2016	FY 2017	FY 2018
furnishings. Includes all costs of authorized replacement furnishings in existing inventory for Active, Guard and Reserve. Excludes management costs for reception stations, processing centers, disciplinary barracks, and confinement facilities.					
FY 2018 Plans: Provide contractor management, oversight, maintenance and repair (M&R), and control of all USAGKA and RTS 833 Housing/ Billeting Facilities Utilized best commercial residential business practices to ensure quality of life standards are achieved and enhanced, and are in compliance with adequacy and life and safety standards comparable to those found in commercial properties. Provide Master Key control services. Provide and implement a sound furnishings and appliances program that addresses acquisition, replacement, M&R, and refurbishing. Provide Hospitality Kits consisting of the minimum essential items to operate a household until permanent party personnel's Household Goods (HHG) arrive and from HHG shipment until departure. Provide Change of Occupancy Maintenance (COOM) on all FH facilities prior to reassignment to in-coming resident.					
Title: Law Enforcement Description: Resources Law Enforcement (LE) activities/services which provide for the protection of people and property, enforcement of laws, and maintenance of order. This effort covers, but is not limited to: all personnel and operating costs associated with LE operations, salaries, overtime, benefits, material and supplies, equipment, vehicles leases (special LE Mission /Military Working Dog (MWD) Support when General Service Administration (GSA) vehicles are not available), training and management for LE response forces (Department of the Army Civilian Police (DACP) and military police (MP)). Funds the conduct of motor vehicle traffic supervision, game warden operations, and liaison with civilian LE agencies. Resources programs for MWD management and equipping the explosive and drug detection dog capabilities. Funds LE work load derived from historical responses to calls for service (i.e. Crimes against Persons, Drug Crimes, Traffic Crimes, Absent Without Leave (AWOL), Sex Crimes, and Crimes against Property, Environmental Violations, Fraud Crimes, Alarm Response and Public Service Calls), investigation of non felony level offenses, preparation and distribution of MP reports and related documents, and collection and analyses of crime statistics. Program costs includes Pre- and Post-Trial confinement for 30 days or less and associated expenses, escorts and transportation of Soldiers convicted via court-martial to Military Correctional Facilities, and escorts and transportation of absentee / deserters charged with aggravating crimes in accordance with (IAW) Department of Defense Instruction (DoDI) 1355.2. FY 2016 Accomplishments: Provided LE activities/services for the protection of people and property, enforcement of laws, and maintenance of order. Covered, but not limited to, all personnel and operating costs associated with LE operations, salaries, overtime, benefits, material and supplies, equipment, vehicles leases, training and management for LE response forces (Department of the Army Civilian Police (DACP)). FY 2018 Plans:			4.082	-	1.905

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Army			Date: May 2017		
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B. Accomplishments/Planned Programs (\$ in Millions)			FY 2016	FY 2017	FY 2018
Will provide LE activities/services for the protection of people and property, enforcement of laws, and maintenance of order. Will cover, but not limited to, all personnel and operating costs associated with LE operations, salaries, overtime, benefits, material and supplies, equipment, vehicles leases, training and management for LE response forces.					
Title: Materiel Maintenance			-	-	9.129
Description: Provides resources for Automotive, Construction, General Equipment, and Armament Maintenance. Also provides Field and Sustainment level maintenance services to Army activities IAW AR 750-1; provides maintenance technical assistance to supported units and activities, and provides material maintenance on base operations support equipment.					
FY 2018 Plans: Provide resources for the maintenance of all 6 aircraft, 14 marine vessels, heavy equipment, non-tactical and tactical equipment, construction equipment; base operations equipment and marine navigational aides. Provide government estimates for repair/ replacement of damaged, lost or lifecycle replacement equipment. Provide resources for On Condition Cyclic Maintenance (OCCM) for marine vessels.					
Title: Municipal Services			113.255	-	5.949
Description: For FY16, "Municipal Services" designates the same range of activities later itemized (in FY17 and FY18) into 23 separate functional activities. Activities included in the FY16 "Municipal Services" designation include: Base Operations Support, Logistical Support, Medical/Dental Support, Army Family Housing (AFH) Operations, Army Airfields (AAF) and Heliports (AHP), Army Community Services (ACS), Child and Youth Services (CYS), Engineering Services, Soldier Recreation and Community Support, Fire and Emergency Services (FES), Financial Management (FM) Activities, Food Services, Unaccompanied Housing, Materiel Maintenance, Installation Command and Management, Physical Security Matters, Army Security Programs, Supply Logistics, Transportation Services, Utilities, Environmental Quality, and Anti-Terrorism (AT).					
For FY18, "Municipal Services" designates resources for municipal services including grounds maintenance, custodial, pest management, solid waste or refuse handling operations, pavement clearance through the removal of snow/ice/sand and street sweeping, and homeless shelter support.					
Realignment into, and addition of, activities in FY17 and FY18 provides a more logical functional segmentation of installation management programs and aligns programs into more discrete/recognizable bins. This breakout facilitates improved programming visibility, articulation, justification, and definition of critical requirements.					
FY 2016 Accomplishments:					

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Army		Date: May 2017	
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605301A / Army Kwajalein Atoll	Project (Number/Name) DW8 / Army Kwajalein Atoll Installation Services	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017
blank			FY 2018
FY 2018 Plans: Provide necessary/routine municipal services to the Installation.			
Title: Installation Command and Management Description: Provides resources for offices of the Commander, Inspector General (IG), Staff Judge Advocate (SJA), Chaplain, Equal Employment Opportunity (EEO), Internal Review (IR), Public Affairs (PA), and Safety Office for installations. Activity is responsible for conduct and integration of Base Operations (BASOPS) functions during peacetime, mobilization, and post-mobilization. Supports civilian pay and benefits, training, duty travel, Permanent Change of Station (PCS) costs, supplies and equipment, and contractual services for installation command and management activities. Also resources administrative services, which is management of information from creation to final disposition per federal laws and Army record keeping requirements, as well as installation Plans, Analysis and Integration Office (PAIO) and management of Directorate of Plans, Training, Mobilization, and Security (DPTMS) services.		-	2.282
FY 2018 Plans: Execute base support operations, through the Base Operations Support (BOS) contractor, supporting the strategically important RTS which includes 11 defense sites. USAG-KA support to the U.S. Embassy advancing the relationship with the Republic of the Marshall Islands. Provide installation management functions for a diverse population of 288 Department of the Army Civilians and active duty military personnel & 1100 contractor's their respective dependents. Provide necessary/routine Installation Command and Management services to the Installation. Plan, organize, staff, direct, and control the USAKA Medical and Dental programs including management and administration of total health care at USAKA. Provide routine and emergency inpatient and outpatient medical and dental services to USAKA residents, designated indigenous personnel, and official visitors at USAKA. Perform diagnosis, treatment, and preventative health services and administer the Medical and Dental programs efficiently, using standards of care similar to small stateside community hospitals. Provide a full range of Educational services on USAKA to include kindergarten, elementary, junior high, senior high, and adult education.			
Title: Physical Security Matters Description: Provides resources for physical security programs and equipment to support Army installations and facilities requirements. Procures, installs, maintains and/or leases physical security equipment to include, but not limited to, barriers; blast mitigation devices; communication systems; explosive detection devices; intrusion detection systems and devices; personnel protection (excluding hard cars); sensors; site improvements; management/planning; and security forces and technicians.		-	5.293
FY 2018 Plans:			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017
Continue to provide the necessary physical security procedures and materials to ensure USAG-KA maintains all proper security measures.			FY 2018
Title: Army Security Programs Description: Funds Army Command security activities supporting: Information Security, Personnel Security, Industrial Security, Communications Security (COMSEC) Policy, Security Education, Training and Awareness (SETA), Special Access Program (SAP) Security, Sensitive Compartmented Information (SCI) Security, Foreign Disclosure, and Technology Protection. FY 2018 Plans: Continue to provide the necessary security procedures and materials to ensure USAGKA maintains all proper security measures to ensure successful missions continue on USAGKA.		-	0.114
Title: Supply Logistics Description: Provides resources for installation supply operations which include: ammunition supply point services, secondary items and bulk petroleum for garrison and Army tenants, operation of a central receiving point and/or Installation Supply Support Activity (SSA) 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. Also resources the Military Clothing Sales Stores management fee paid to AAFES. FY 2018 Plans: Provided resources for property accountability of all Government Furnished Equipment/Contractor Acquired Property (GFE/CAP), reutilization items, Military Standard Requisitioning and Use Procedures (MILSTRIP) ordering, hazardous items, bulk fuel ordering and delivery to multiple outer islands. Provided Quality Assurance Evaluator (QAE) services for Defense Logistics Agency - Europe 9 (DLA-E) fuel farm; disposition of obsolete items to the host nation government;		-	2.911
Title: Transportation Services Description: Provides resources for the operation of installation transportation offices, transportation motor pools, intra-installation rail equipment, and cost of GSA or commercial leased non-tactical 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. FY 2018 Plans: Provide resources for the operation of all transportation services to include 6 aircraft, 14 marine vessels, and over 200 pieces of rolling stock. Operated a centralized motor pool. Fund operations for movement of all international and intra atoll air and surface		-	21.577

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017
cargo to include government and contractor household goods, HAZMAT, United States Postal Service (USPS) mail and food items. Safely ferry over 48,000 passengers per month within the atoll on various USAGKA marine assets.			FY 2018
Title: Utilities Description: Provides resources for utility services -procurement, production and distribution of utilities including expenses for connection charges, privatization impacts, alternatively financed energy savings contracts, purchased electricity, steam, hot water, fuels and other utilities, and operation of electrical, heating, air conditioning, refrigeration, water distribution, and wastewater collection and treatment plants and systems. Also resources the Utilities Privatization program. FY 2018 Plans: Provide resources to operate and maintain seven Power generation and distribution systems on Kwajalein; nine on Roi, five on Meck, and eleven total on the outer islands of Carlos, Gagan, Illeginni, and Legan, distributing over 7.5 Million kilowatt hours / month. Operate, maintain, and repair all prime power plants, distribution systems, and ancillary equipment and related systems, including fixed and portable auxiliary generators. Provide reliable power during mission windows. Develop and implement a maintenance plan which includes operator maintenance, predictive maintenance, Program Management (PM), cyclical, and recurring maintenance, as well as periodic equipment and systems overhauls for all power production systems. Provide appropriate staff to operate power plants 24 hours a day. Operate and maintain potable and non-potable water production & distribution systems. Operate and maintain wastewater treatment plant water systems and storage including equipment. Distribute water to a population of approximately 1400 people consuming over \$5.3 Million gallons of water per month. Operate all wastewater treatment plants and equipment, collection and distribution systems, and all ancillary equipment and other related systems, including septic tanks. Develop, implement, and manage a waste management program including collection, incineration, landfill, compost, and recycling facilities. Provide preventative, cyclical and recurring, and unscheduled maintenance and repair of the Incinerator and all ancillary equipment and systems.		-	35.888
Title: Environmental Quality Description: Provides manpower and funding necessary to achieve, evaluate, and sustain compliance with appropriate Federal, State, and local environmental laws, Executive Orders, DoD Directives, regulations, and overseas country-specific Final Governing Standards, in order to protect human health and safety and reduce total cost to the Army through environmental compliance, conservation, and pollution prevention. Enables installations to comply with legal environmental mandates and critical stewardship responsibilities that impact management and modernization of installations, while sustaining natural and cultural resources in a manner that provides continued access and long-term use of training lands to support the Army's installation missions. Also includes costs associated with Range Military Construction (MILCON) to address one-time mitigation actions. Excludes: compliance related cleanup activities addressed in Military Decision Package ENVR, costs associated with preparing National Environmental Protection Act documentation (proponent bill), and all non-range MILCON mitigation actions.		-	3.114

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017
FY 2018 Plans: Provide necessary/routine environmental quality services to the Installation.			
Title: Anti-Terrorism (AT) Description: Funds the Army Antiterrorism program, a defensive program to protect against Terrorism. Supports the following: Antiterrorism installation and mission requirements: Combatant Commands (COCOM) Antiterrorism requirements (Army as Executive Agent(EA)), Antiterrorism Program Management, Antiterrorism Training and Awareness efforts (Area of Responsibility (AOR) specific, Level I Antiterrorism Awareness Training, Level II Antiterrorism Officers Training, Level III Pre-command training, and Level IV Antiterrorism Executive Seminar), protection of High Risk Personnel (HRP) to include support requirements (equipment), execution of Antiterrorism Assessments (Terrorism Vulnerability Assessments, Special Event Assessments, Pre-deployment Vulnerability Assessments, and Comprehensive Antiterrorism Reviews) designed to identify and fix protection vulnerabilities that will protect personnel and facilities from terrorist acts, intelligence support to Army Antiterrorism, conduct annual Antiterrorism Exercises designed to execute Antiterrorism plans, and the implementation of the Random Antiterrorism Measures Program (RAMP) and the Force Protection Condition (FPCON) system. FY 2018 Plans: Continue to monitor and improve all Antiterrorism programs. Provide personnel with the necessary training and identify high risk individuals when appropriate. Continue to work with our resident military intelligence organization to keep abreast of new developments and trends within terrorist organizations which may effect our installation. Continue to identify and update vulnerabilities to our facilities and emplace protective measures to reduce risks to mission.		-	-
		0.049	
Accomplishments/Planned Programs Subtotals		117.337	120.086
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy N/A			
E. Performance Metrics N/A			

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Army										Date: May 2017		
Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605301A / Army Kwajalein Atoll				Project (Number/Name) DW9 / Army Kwajalein Atoll Restoration And Modernization			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
DW9: Army Kwajalein Atoll Restoration And Modernization	-	6.435	14.810	66.987	-	66.987	66.984	58.559	49.940	47.600	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Funds the restoration and modernization of United States (U.S.) Army Kwajalein Atoll degraded infrastructure (real property/facilities) to working condition and upgrades facilities to meet current standards. Restoration consists of repair and replacement work to fix facilities degraded due to the effects of aging and inadequate sustainment funding for a number of years. Modernization supports upgrade of facilities to meet current codes, accommodate new functions, and/or replace building components that exceed the overall service life of the facilities. The proposed funding levels support a small fraction of critical infrastructure restoration and modernization work necessary to current and enduring deficiencies based analysis of infrastructure identified.

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

	FY 2016	FY 2017	FY 2018
Title: Recapitalization Deficit R&M	6.435	14.810	66.987
Description: Resources facility revitalization for the Active and Reserve Component facilities not specifically aligned to specified Facility Investment Strategy focus areas. Funds facilities quality improvement required to achieve elimination of Q4/Q3 Installation Status Report (ISR) rated facilities. In addition to major renovation costs, facility costs include project tails in accordance with AR 420-1 for: land acquisition, National Environmental Policy Act (NEPA) compliance, imbedded facility Information Technology (IT) connectivity to the existing installation IT backbone; common user support, baseline, and core IT services; standard furnishings, fixtures, and equipment; and Intrusion Detection Systems (IDS).			
FY 2016 Accomplishments: Provided necessary/routine recapitalization support to the Installation			
FY 2017 Plans: Will continue to provide for additional updates and/or replacement of infrastructure critical to the mission and well being of the island tenants. Will continue to 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.			
FY 2018 Plans: Fiscal Year (FY) 2018 is the second year of our 15 year investment plan and focuses on the repair of the Bucholz Army Airfield runway. This will repair 1000' on both ends of the runway down to subgrade, resurface center section of runway, repair aged and deteriorating airfield pavements to include airfield lighting and back up generator.			
Accomplishments/Planned Programs Subtotals	6.435	14.810	66.987

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Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605301A / Army Kwajalein Atoll	Project (Number/Name) DW9 / Army Kwajalein Atoll Restoration And Modernization
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy N/A		
E. Performance Metrics N/A		

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Army										Date: May 2017		
Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605301A / Army Kwajalein Atoll				Project (Number/Name) DX2 / Army Kwajalein Test Ranges and Mission Support			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
DX2: Army Kwajalein Test Ranges and Mission Support	-	63.737	66.709	10.891	-	10.891	10.942	11.237	11.897	12.085	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Beginning in FY 2018, funds for Operations and Mission Support functions at Ronald Reagan Ballistic Missile Defense Test Site are realigned from Project DX2 to PE 0606002A (Ronald Reagan Ballistic Missile Defense Test Site) / Project XW9 (Reagan Test Site).

A. Mission Description and Budget Item Justification

Beginning in FY 2018, this Project funds Network Enterprise Technology Command (NETCOM) installation management-related Command, Control, Communications, Computers, and Information Management (C4IM) services at Army Kwajalein Test Ranges. Funds for operational and mission support functions at Ronald Reagan Ballistic Missile Defense Test Site are realigned to PE 0606002A (Ronald Reagan Ballistic Missile Defense Test Site) / Project XW9 (Reagan Test Site).

NETCOM utilizes this Project to provide civilian pay, manpower service contracts, supporting Information technology (IT) equipment, and associated costs specifically identified and measurable to plan, manage, coordinate, and execute Information Technology Services Management at Army Kwajalein Test Ranges. Project provides C4IM services in accordance with the Department of Army Pamphlet (DA PAM) 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.

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

	FY 2016	FY 2017	FY 2018
Title: Civilian Pay (RTS)	3.843	5.488	-
Description: Funding covers civilians to perform management oversight of Army and DOD Missile Test programs.			
FY 2016 Accomplishments: Continues to provide government personnel support (salaries) to enable the management of the test and evaluation of major Army and Department of Defense (DoD) missile systems.			
FY 2017 Plans:			

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Army			Date: May 2017		
Appropriation/Budget Activity 2040 / 6		R-1 Program Element (Number/Name) PE 0605301A / Army Kwajalein Atoll	Project (Number/Name) DX2 / Army Kwajalein Test Ranges and Mission Support		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2016	FY 2017	FY 2018
Will continue to provide government personnel support (salaries, training, and travel, and Government Purchase Card (GPC) requirements) to enable the management of the test and evaluation of major Army and DoD missile systems.					
Title: Temporary Duty (TDY)/Training/Supplies - Military and Civilian			0.620	0.630	-
Description: Funding will provide for travel and training for civilians and military to assist in the testing of the Army and DoD Missile system Programs.					
FY 2016 Accomplishments: Continues to provide government personnel support (training, and travel, GPC) to enable the management of the test and evaluation of major Army and DoD missile systems.					
FY 2017 Plans: Will continue to provide government personnel support (training, and travel, GPC) to enable the management of the test and evaluation of major Army and DoD missile systems.					
Title: Outside Obligations/Other Government Agencies			5.160	5.237	-
Description: Funding provided to other Government Agencies for reimbursable-type work efforts					
FY 2016 Accomplishments: Continues to provide support to test and evaluation of major Army and DoD missile systems.					
FY 2017 Plans: Will continue to provide support to test and evaluation of major Army and DoD missile systems.					
Title: Fiber Optic Cable (Kwajalein Cable System (KCS))/Inner Ring Submarine			16.605	11.374	-
Description: Fiber Optic Cable is Provides lease cost for Fiber Optic Cable between Kwajalein and Guam.					
FY 2016 Accomplishments: Continues to provide funding for lease of the KCS fiber optic cable between Kwajalein Island and Guam, and for backup satellite. Includes \$4.039M for one time repairs.					
FY 2017 Plans: Will continue to provide funding for lease of the KCS fiber optic cable between Kwajalein Island and Guam, and for backup satellite.					
Title: RTS Contractor Prime Pay (KRS)			14.350	20.562	-

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Army		Date: May 2017		
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605301A / Army Kwajalein Atoll	Project (Number/Name) DX2 / Army Kwajalein Test Ranges and Mission Support		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017	FY 2018
Description: Provide funding for Prime contractor to perform technical Operation and Maintenance support to support test and space missions. FY 2016 Accomplishments: Continues to provide technical O&M support (test planning, instrumentation operations and maintenance, systems engineering, flight safety, launch ordnance, Kwajalein Mobile range Safety System (WORTHY, etc) to assure the capability of the Range to support test and space missions. FY 2017 Plans: Will continue to provide technical O&M support (test planning, instrumentation operations and maintenance, systems engineering, flight safety, and launch ordnance) to assure the capability of the Range to support test and space missions.				
Title: Contractor Material Description: Provide for materials to maintain range capabilities and support test operations. FY 2016 Accomplishments: Continues to provide critical non-labor materials to maintain critical range capabilities and prevent obsolescence in support of test operations. FY 2017 Plans: Will continue to provide critical non-labor materials to maintain critical range capabilities and prevent obsolescence in support of test operations.		2.169	1.840	-
Title: Federally Funded Research and Development Centers (FFRDC) Contractor Pay (MIT/LL) Description: Provide for technical expertise to RTS leadership for the overall performance of Range Operations. FY 2016 Accomplishments: Continues to provide technical advice to RTS leadership in support of Range operations, strategic planning, and technical execution of critical technology. FY 2017 Plans: Will continue to provide technical advice to RTS leadership in support of Range operations, strategic planning, and technical execution of critical technology.		4.602	4.671	-
Title: Contractor Pay Meteorological Description: Provide capability for weather sensing capability which allows for test planning and execution of the program.		1.897	1.925	-

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Army		Date: May 2017		
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605301A / Army Kwajalein Atoll	Project (Number/Name) DX2 / Army Kwajalein Test Ranges and Mission Support		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017	FY 2018
FY 2016 Accomplishments: Continues to provide support for sustained weather sensing capabilities, including weather reporting via radar data. This capability provides critical data to test planning and execution.				
FY 2017 Plans: Will continue to provide support for sustained weather sensing capabilities, including weather reporting via radar data. This capability provides critical data to test planning and execution.				
Title: Ground Transportation Description: Provide transportation of material and passenger between Kwajalein and CONUS. FY 2016 Accomplishments: Continues to provide mission specific material and passenger transportation via air (Air Mobility Command) and sea (SDDC) between Kwajalein Atoll and CONUS. FY 2017 Plans: Will continue to provide mission specific material and passenger transportation via air (Air Mobility Command) and sea (SDDC) between Kwajalein Atoll and CONUS.		1.446	1.468	-
Title: Mission Specific Environmental Description: Ensures Range Readiness and all regulatory environmental requirements are compliant with range and test requirements. FY 2016 Accomplishments: Continues to provide the capability to assess and maintain the Range readiness and compliance with environmental requirements. FY 2017 Plans: Will continue to provide the capability to assess and maintain the Range readiness and compliance with environmental requirements.		0.526	0.534	-
Title: Network Enterprise Technology Command (NETCOM) C4IM Description: Provides 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. FY 2016 Accomplishments:		12.105	12.584	10.89

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Army			Date: May 2017		
Appropriation/Budget Activity 2040 / 6		R-1 Program Element (Number/Name) PE 0605301A / Army Kwajalein Atoll		Project (Number/Name) DX2 / Army Kwajalein Test Ranges and Mission Support	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2016	FY 2017	FY 2018
<p>NETCOM funded 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. Provided 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). Included 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. Provided Collaboration and Messaging Services including services and tools for workforce to communicate and share information. Provided Application and Web-hosting including operation and management services required to support web and application hosting. Provided Desktop Management Support including management and support for end-user hardware and software services and tools. Included Service Desk Support, Continuity of Operations, and Disaster Recovery support.</p> <p>FY 2017 Plans:</p> <p>NETCOM - The Network Enterprise Technology Command (NETCOM) will fund 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. Will provide Command, Control, Communications, Computers, and Information Management (C4IM) services in accordance with the DA PAM 25-1-1 and the Army C4IM Services List. Will provide Base Communications Support (Service 701), Visual Information (Service 702), Information Assurance (Service 703), and Automation (Service 700). Will include delivery of services consisting of secure and non-secure fixed voice communications, wireless voice, data and video connectivity services, and studio video conferencing services. Will provide infrastructure support, including the design, installation, and maintenance of special circuits/systems in support of life safety/security systems and monitoring/control systems. Will provide Collaboration and Messaging Services including services and tools for workforce to communicate and share information. Will provide Application and Web-hosting including operation and management services required to support web and application hosting. Will provide Desktop Management Support including management and support for end-user hardware and software services and tools. To include Service Desk Support, Continuity of Operations, and Disaster Recovery support. Justification: Each of the baseline services to be provided with this funding are priority zero, must fund, IT utility requirements. Not funding or reducing the programmed funding will directly impact communications and mission command at all levels on Kwajalein Atoll.</p> <p>FY 2018 Plans:</p> <p>Will fund 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. Will provide Command, C4IM services in accordance with the DA PAM 25-1-1 and the Army C4IM Services List. Will provide Base Communications Support (Service 701), Visual Information (Service 702), Information Assurance (Service 703), and Automation (Service 700). Will include delivery of services consisting of secure and non-secure fixed voice communications, wireless voice,</p>					

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Army		Date: May 2017	
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605301A / Army Kwajalein Atoll	Project (Number/Name) DX2 / Army Kwajalein Test Ranges and Mission Support	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017
data and video connectivity services, and studio video conferencing services. Will provide infrastructure support, including the design, installation, and maintenance of special circuits/systems in support of life safety/security systems and monitoring/control systems. Will provide Collaboration and Messaging Services including services and tools for workforce to communicate and share information. Will provide Application and Web-hosting including operation and management services required to support web and application hosting. Will provide Desktop Management Support including management and support for end-user hardware and software services and tools. To include Service Desk Support, Continuity of Operations, and Disaster Recovery support.			
Title: Army Contracting Command (ACC) Support Description: Contracting support to administrator the contract vehicle for the program. FY 2016 Accomplishments: Provides contracting support (salaries, training, travel, etc) to test and evaluation of major Army and DoD Missile System. FY 2017 Plans: Will provide contracting support (salaries, training, travel, etc) to test and evaluation of major Army and DoD Missile System.		0.414	0.396
			-
Accomplishments/Planned Programs Subtotals		63.737	66.709
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			
E. Performance Metrics			
N/A			