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| Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army | Date: March 2014 |
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| Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army</i> / BA 6: <i>RDT&E Management Support</i> | R-1 Program Element (Number/Name) PE 0605601A / <i>ARMY TEST RANGES AND FACILITIES</i> |
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| 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 | - | 334.087 | 340.477 | 275.025 | - | 275.025 | 269.802 | 233.665 | 270.598 | 280.803 | - | - |
| F30: <i>Army Test Ranges & Facilities</i> | - | 334.087 | 340.477 | 275.025 | - | 275.025 | 269.802 | 233.665 | 270.598 | 280.803 | - | - |

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

Note

FY13 adjustments attributed to Congressional General Reductions (-791 thousand); SBIR/STTR transfers (-5.658 million); and Sequestration reductions (-29.364 million).

FY15 reduction attributed to realignment to other higher priority Army programs.

A. Mission Description and Budget Item Justification

This project provides the institutional funding required to operate test activities, in accordance with Section 232 of the FY2003 National Defense Authorization Act (NDAA), required by Department of Defense (DOD) Program Executive Officers, Program and Product Managers, and Research, Development, and Engineering Centers. Resources provided by this project operate seven elements of the DOD Major Range and Test Facility Base (MRTFB): White Sands Test Center (WSTC), White Sands Missile Range, New Mexico; High Energy Laser System Test Facility (HELSTF), White Sands Test Center, White Sands Missile Range, New Mexico; Aberdeen Test Center (ATC), Aberdeen Proving Ground, Maryland; Electronic Proving Ground (EPG), Fort Huachuca, Arizona; and Yuma Test Center (YTC), Yuma Proving Ground, Arizona, Cold Regions Test Center (CRTC) Fort Greely, Alaska and Tropic Regions Test Center (TRTC) at various locations. This project also funds the Army's test capability at Redstone Test Center (RTC), Redstone Arsenal, Alabama.

This project finances the overhead (institutional) test operating cost not appropriately billed to test customers, recurring test infrastructure/capability sustainment requirements, replacement of test equipment, test operating procedures, and test revitalization/upgrade projects to maintain current testing capabilities and improvements to safety, environmental protection, efficiency of test operations, and technological advances. The test capabilities at these test ranges have been uniquely established, are in place to support test and evaluation (T&E) requirements of funded weapons programs, and are required to assure technical performance, adherence to safety requirements, reliability, logistics supportability, Title 10 Live Fire Test and Evaluation, transportability, environmental effects, electromagnetic effects, and quality of materiel in development and in production.

In accordance with the FY03 NDAA, this project funds the indirect test costs associated with the rapid testing of systems and equipment needed in support of the Overseas Contingency Operations (OCO), such as individual soldier protection equipment and up-armoring the Army's wheeled vehicle fleet. This project sustains the test & evaluation capability required to support Army as well as Joint Service or Other Service systems, materiel, and technologies. Types of systems scheduled for testing include; Aircraft, Air Delivery, Unmanned Aerial Systems, Unmanned Ground Vehicles, Air and Missile Defense Systems, Engineering Equipment, Direct fire, Indirect fire, Nonlethal weapons, Ammunition, Automotive Systems, Intelligence Surveillance and Reconnaissance, Ground Soldier System, Missiles, Rockets, Directed Energy Weapons, Network Centric and Command, Control, and Communication.

Specific systems supported in FY14 with continued support in FY15 include: Network Integration Evaluations (NIE), personnel protective equipment (including Body Armor), up-armoring vehicle ballistic protection on route clearance vehicles, Family of Medium Tactical Vehicles Long Term Armor Strategy (FMTV LTAS), and Joint

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| Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 6: RDT&E Management Support</i> | R-1 Program Element (Number/Name) PE 0605601A / <i>ARMY TEST RANGES AND FACILITIES</i> |
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Light Tactical Vehicle (JLTV); Stryker upgrades; armor gun shields for tactical vehicles; reactive and active armor; Guided Multiple Launch Rocket System (GMLRS) Unitary Rocket; Counter Remote Control IED (RCIED) Electronic Warfare (CREW); Warfighter Information Network Tactical (WIN-T); Distributed Common Ground System - Army (DCGS-A); Aviation Transformation (AH-64 Block III); aviation protection systems (Common Missile Warning System (CMWS) and Common Infrared Countermeasure (CIRCM), missile defense (PAC-3), Terminal High Altitude Area Defense (THAAD)); Unmanned Aerial Systems (Tactical Unmanned Aerial Systems, Long Endurance Multi-INT Vehicle (LEMV, Telluride, Raven)); Unmanned Ground Vehicles, Grey Eagle, Kiowa Warrior Upgrades, CMWS Hostile Fire Indication, Excalibur, Green Ammo, Nett Warrior, Joint Tactical Radio System (JTRS), Joint Battle Command-Platform (JBC-P), Aircraft Hostile Fire Detection System (HFDS), Paladin Integrated Management (PIM), and Longbow Hellfire Modular Missile System (LBHMMS)).

Direct costs are borne by materiel developers in accordance with DoD Directive 3200.11 and DOD Financial Management Regulation 7000.14R.

| B. Program Change Summary (\$ in Millions) | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|---|----------------|----------------|---------------------|--------------------|----------------------|
| Previous President's Budget | 369.900 | 340.659 | 325.178 | - | 325.178 |
| Current President's Budget | 334.087 | 340.477 | 275.025 | - | 275.025 |
| Total Adjustments | -35.813 | -0.182 | -50.153 | - | -50.153 |
| • Congressional General Reductions | -0.791 | -0.182 | | | |
| • Congressional Directed Reductions | - | - | | | |
| • Congressional Rescissions | - | - | | | |
| • Congressional Adds | - | - | | | |
| • Congressional Directed Transfers | - | - | | | |
| • Reprogrammings | - | - | | | |
| • SBIR/STTR Transfer | -5.658 | - | | | |
| • Adjustments to Budget Years | - | - | -50.153 | - | -50.153 |
| • Other Adjustments | -29.364 | - | - | - | - |

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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 0605601A / ARMY TEST RANGES AND FACILITIES | | | | Project (Number/Name) F30 / Army Test Ranges & Facilities | | | |
| 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 |
| F30: Army Test Ranges & Facilities | - | 334.087 | 340.477 | 275.025 | - | 275.025 | 269.802 | 233.665 | 270.598 | 280.803 | - | - |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

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A. Mission Description and Budget Item Justification

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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 0605601A / ARMY TEST RANGES AND FACILITIES | Project (Number/Name) F30 / Army Test Ranges & Facilities | | |
| Excalibur, Green Ammo, Nett Warrior, Joint Tactical Radio System (JTRS), Joint Battle Command-Platform (JBC-P), Aircraft Hostile Fire Detection System (HFDS), Paladin Integrated Management (PIM), and Longbow Hellfire Modular Missile System (LBHMMS)). Direct costs are borne by materiel developers in accordance with DoD Directive 3200.11 and DOD Financial Management Regulation 7000.14R. | | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | | | FY 2013 | FY 2014 | FY 2015 |
| Title: Mission Support | | | 122.179 | 137.229 | 91.296 |
| Articles: | | | - | - | - |
| Description: Funds support test equipment upgrades and maintenance; test facility maintenance; routine calibration; handling and disposal of hazardous materials, transportation, postage, administrative supplies; tools; software; spare parts; test support vehicle maintenance; mission unique installation costs; temporary duty/training of civilian and contractor personnel; printing and reproduction; communications; land leases; and range road maintenance. Funding supports indirect cost previously paid by the customer for which funding was realigned, as approved by Assistant Secretary of the Army for Acquisition, Logistics and Technology and validated by Deputy Assistant Secretary of the Army for Cost and Economics, from the Army PEO/PMs and non-Army DOD customers. | | | | | |
| FY 2013 Accomplishments: Funds supported test equipment upgrades and maintenance; test facility maintenance; routine calibration; handling and disposal of hazardous materials, transportation, postage, administrative supplies; tools; software; spare parts; test support vehicle maintenance; mission unique installation costs; temporary duty/training of civilian and contractor personnel; printing and reproduction; communications; land leases; and range road maintenance. Funding supported indirect cost previously paid by the customer for which funding was realigned, as approved by Assistant Secretary of the Army for Acquisition, Logistics and Technology and validated by Deputy Assistant Secretary of the Army for Cost and Economics, from the Army PEO/PMs and non-Army DOD customers. | | | | | |
| FY 2014 Plans: Funds support test equipment upgrades and maintenance; test facility maintenance; routine calibration; handling and disposal of hazardous materials, transportation, postage, administrative supplies; tools; software; spare parts; test support vehicle maintenance; mission unique installation costs; temporary duty/training of civilian and contractor personnel; printing and reproduction; communications; land leases; and range road maintenance. Funding supports indirect cost previously paid by the customer for which funding was realigned, as approved by Assistant Secretary of the Army for Acquisition, Logistics and Technology and validated by Deputy Assistant Secretary of the Army for Cost and Economics, from the Army PEO/PMs and non-Army DOD customers. | | | | | |
| FY 2015 Plans: | | | | | |

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| Appropriation/Budget Activity 2040 / 6 | R-1 Program Element (Number/Name) PE 0605601A / ARMY TEST RANGES AND FACILITIES | Project (Number/Name) F30 / Army Test Ranges & Facilities | | |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | | FY 2013 | FY 2014 | FY 2015 |
| Funds were realigned to higher Army priorities. This funding level provides for reduced levels of support for test equipment upgrades and maintenance and test facility maintenance at the Army Test Centers. This will sustain test capabilities at minimum levels. The reduced funding level aligns to reductions in Army Acquisition programs. | | | | |
| <p>Title: T&E Civilian Pay</p> <p>Articles:</p> <p>Description: This funding supports the overhead costs of the civilian labor for Program Budget Guidance (PBG) authorizations. The balance is customer funded. The test customer pays all direct costs that are directly attributable to the use of a test facility or resource for testing of a particular program. Funding is essential to maintain core T&E skills as part of the Government civilian workforce.</p> <p>FY 2013 Accomplishments: Funds supported the overhead costs of the civilian labor for Program Budget Guidance (PBG) authorizations. The balance was customer funded. The test customer payed all direct costs that are directly attributable to the use of a test facility or resource for testing of a particular program. Funding was essential to maintain core T&E skills as part of the Government civilian workforce.</p> <p>FY 2014 Plans: This funding supports the overhead costs of the civilian labor for Program Budget Guidance (PBG) authorizations. The balance is customer funded. The test customer pays all direct costs that are directly attributable to the use of a test facility or resource for testing of a particular program. Funding is essential to maintain core T&E skills as part of the Government civilian workforce.</p> <p>FY 2015 Plans: Funds will support the overhead costs of the civilian labor for Program Budget Guidance (PBG) authorizations. The balance will be customer funded. The test customer will pay all direct costs that are directly attributable to the use of a test facility or resource for testing of a particular program. Funding will be essential to maintain core T&E skills as part of the Government civilian workforce.</p> | | 134.829 - | 133.306 - | 124.236 - |
| <p>Title: Contractor Support</p> <p>Articles:</p> <p>Description: This funding supports contractor labor costs not appropriately billable to the customer. Contract labor is essential to augment core civilian T&E personnel. Functions performed include range operations, automotive test support, radar maintenance, warehousing support, project management, maintenance of support fleet aircraft, recurring/general maintenance to test facilities and data acquisition support. Funding supports contractor efforts related to mission support.</p> <p>FY 2013 Accomplishments:</p> | | 64.105 - | 59.942 - | 54.493 - |

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| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | | FY 2013 | FY 2014 | FY 2015 |
| <p>Funds supported contractor labor costs not appropriately billable to the customer. Contract labor was essential to augment core civilian T&E personnel. Functions performed included range operations, automotive test support, radar maintenance, warehousing support, project management, maintenance of support fleet aircraft, recurring/general maintenance to test facilities and data acquisition support. Funding supported contractor efforts related to mission support.</p> <p>FY 2014 Plans: This funding supports contractor labor costs not appropriately billable to the customer. Contract labor is essential to augment core civilian T&E personnel. Functions performed include range operations, automotive test support, radar maintenance, warehousing support, project management, maintenance of support fleet aircraft, recurring/general maintenance to test facilities and data acquisition support. Funding supports contractor efforts related to mission support.</p> <p>FY 2015 Plans: Funds were realigned to higher Army priorities. Due to reductions in Army Acquisition programs requirements for contractor supported workload are projected to decrease. Functions performed will include range operations, automotive test support, radar maintenance, warehousing support, project management, maintenance of support fleet aircraft, recurring/general maintenance to test facilities and data acquisition support. Funding will support reduced contractor efforts related to mission support. Contractor support aligns to projected Army Acquisition program test requirements.</p> | | | | |
| <p>Title: Revitalization/Upgrade</p> <p>Articles:</p> <p>Description: Funds support the revitalization/upgrade of test infrastructure and capabilities. MRTFB elements are required to use institutional funding to sustain, upgrade or create capabilities that support multiple customers. Funding will be focused on improving test and evaluation capabilities for the highest priority Army programs.</p> <p>FY 2013 Accomplishments: Funds supported the revitalization/upgrade of test infrastructure and capabilities. MRTFB elements were required to use institutional funding to sustain, upgrade or create capabilities that support multiple customers. Funding was focused on improving test and evaluation capabilities for the highest priority Army programs.</p> <p>FY 2014 Plans: Revitalization/Upgrade of test infrastructure and capabilities. MRTFB elements are required to use institutional funding to sustain, upgrade or create capabilities that support multiple customers. Funding will be focused on improving test and evaluation capabilities for distributed test operations, joint and Army network centric testing.</p> <p>FY 2015 Plans:</p> | | 10.000 - | 10.000 - | 5.000 - |

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| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | | FY 2013 | FY 2014 |
| Funds were realigned to higher Army priorities. Funds will provide reduced support for revitalization/upgrade of test infrastructure and capabilities. Due to projected reductions in Army Acquisition program testing revitalization and upgrade of test facilities will decrease. Funding will be focused on improving test and evaluation capabilities for the highest priority Army programs. | | | |
| Title: High Energy Laser System Test Facility (HELSTF) <div style="text-align: right;">Articles:</div> | | 2.974 | - |
| Description: Provides partial funding for the sustainment requirement for HELSTF capability at White Sands Missile Range (WSMR) in New Mexico. HELSTF includes an array of chemical and solid state laser systems, beam directors, sensors, associated test instrumentation and centralized data processing capabilities. FY 2013 Accomplishments: Provided partial funding for the sustainment requirement for HELSTF capability at White Sands Missile Range (WSMR) in New Mexico. HELSTF includes an array of chemical and solid state laser systems, beam directors, sensors, associated test instrumentation and centralized data processing capabilities. | | - | - |
| Accomplishments/Planned Programs Subtotals | | 334.087 | 340.477 |
| C. Other Program Funding Summary (\$ in Millions) | | | |
| N/A | | | |
| Remarks | | | |
| D. Acquisition Strategy | | | |
| N/A | | | |
| E. Performance Metrics | | | |
| N/A | | | |