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|--|-----------------|---------|----------------------|--------------|---|---------------|-------------|---------------|---------|------------------|------------------|------------|
| Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Army | | | | | | | | | | DATE: April 2013 | | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: System Development & Demonstration (SDD) | | | | | R-1 ITEM NOMENCLATURE PE 0604713A: Combat Feeding, Clothing, and Equipment | | | | | | | |
| COST (\$ in Millions) | All Prior Years | FY 2012 | FY 2013 [#] | FY 2014 Base | FY 2014 OCO ^{##} | FY 2014 Total | FY 2015 | FY 2016 | FY 2017 | FY 2018 | Cost To Complete | Total Cost |
| Total Program Element | - | 2.008 | 2.132 | 1.939 | - | 1.939 | 2.234 | 2.273 | 2.239 | 2.475 | Continuing | Continuing |
| 548: Mil Subsistence Sys | - | 2.008 | 2.132 | 1.939 | - | 1.939 | 2.234 | 2.273 | 2.239 | 2.475 | Continuing | Continuing |
| # FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012 | | | | | | | | | | | | |
| ## The FY 2014 OCO Request will be submitted at a later date | | | | | | | | | | | | |
| Note | | | | | | | | | | | | |
| FY14: Funds realigned to higher priority Army Programs. | | | | | | | | | | | | |
| A. Mission Description and Budget Item Justification | | | | | | | | | | | | |
| This project supports the development and demonstration and Non-Developmental Item (NDI) Commercial Off The Shelf (COTS) evaluation of combat feeding equipment to enhance soldier efficiency and survivability, and to reduce food service logistics requirements for all four services. The project supports multi-fuel, rapidly deployable field food service equipment initiatives and engineering and manufacturing development to improve equipment, enhance safety in food service, and decrease fuel and water requirements. This project develops critical enablers that support the Joint Future Capabilities and Joint Expeditionary mindset, by maintaining readiness through fielding and integrating new equipment; by enhancing the field soldier's well-being; and providing soldier usable equipment. They also reduce sustainment requirements, related Combat Support/Combat Service Support (CS/CSS) demands on lift, the combat zone footprint, and costs for logistical support. | | | | | | | | | | | | |
| This PE/Project supports Field Feeding programs for all the services. | | | | | | | | | | | | |
| B. Program Change Summary (\$ in Millions) | | | | FY 2012 | FY 2013 | FY 2014 Base | FY 2014 OCO | FY 2014 Total | | | | |
| Previous President's Budget | | | | 2.073 | 2.132 | 2.117 | - | 2.117 | | | | |
| Current President's Budget | | | | 2.008 | 2.132 | 1.939 | - | 1.939 | | | | |
| Total Adjustments | | | | -0.065 | 0.000 | -0.178 | - | -0.178 | | | | |
| • Congressional General Reductions | | | | - | - | | | | | | | |
| • Congressional Directed Reductions | | | | - | - | | | | | | | |
| • Congressional Rescissions | | | | - | - | | | | | | | |
| • Congressional Adds | | | | - | - | | | | | | | |
| • Congressional Directed Transfers | | | | - | - | | | | | | | |
| • Reprogrammings | | | | - | - | | | | | | | |
| • SBIR/STTR Transfer | | | | - | - | | | | | | | |
| • Other Adjustments 1 | | | | - | - | -0.178 | - | -0.178 | | | | |

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| COST (\$ in Millions) | All Prior Years | FY 2012 | FY 2013 [#] | FY 2014 Base | FY 2014 OCO ^{##} | FY 2014 Total | FY 2015 | FY 2016 | FY 2017 | FY 2018 | Cost To Complete | Total Cost | |
| 548: Mil Subsistence Sys | - | 2.008 | 2.132 | 1.939 | - | 1.939 | 2.234 | 2.273 | 2.239 | 2.475 | Continuing | Continuing | |
| Quantity of RDT&E Articles | | | | | | | | | | | | | |
| # FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012 | | | | | | | | | | | | | |
| ## The FY 2014 OCO Request will be submitted at a later date | | | | | | | | | | | | | |
| A. Mission Description and Budget Item Justification | | | | | | | | | | | | | |
| This project supports the development and demonstration and Non-Developmental Item (NDI) Commercial Off The Shelf (COTS) evaluation of combat feeding equipment to enhance soldier efficiency and survivability, and to reduce food service logistics requirements for all four services. The project supports multi-fuel, rapidly deployable field food service equipment initiatives and engineering and manufacturing development to improve equipment, enhance safety in food service, and decrease fuel and water requirements. This project develops critical enablers that support the Joint Future Capabilities and Joint Expeditionary mindset, by maintaining readiness through fielding and integrating new equipment; by enhancing the field soldier's well-being; and providing soldier usable equipment. They also reduce sustainment requirements, related Combat Support/Combat Service Support (CS/CSS) demands on lift, the combat zone footprint, and costs for logistical support. | | | | | | | | | | | | | |
| This PE/Project supports Field Feeding programs for all the services. | | | | | | | | | | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | | | | | | | | | | FY 2012 | FY 2013 | FY 2014 | |
| Title: Containerized Kitchen Modernization (CK) Description: New Containerized Kitchen layout with modular, closed combustion, thermostatically controlled appliances that reduce heat stress inside the kitchen FY 2012 Accomplishments: Test and evaluate in accordance to Test and Evaluation Master Plan (TEMP). Prepare and approve Engineering Change Proposal (ECP) and transition to RESET program FY 2013 Plans: Upgrades/Improvements made as needed. Full set of modular appliance operational test prototypes will be fabricated and undergo technical testing. Specifications will be further updated to reflect maturity. Technical data will be transitioned to RESET effort. | | | | | | | | | | Articles: | 0.335 | 0.300 | 0.000 |
| | | | | | | | | | | | 0 | 0 | |
| Title: Containerized Ice Making System (CIMS) | | | | | | | | | | Articles: | 0.200 | 0.100 | 0.310 |
| | | | | | | | | | | | 0 | 0 | |

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| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | | FY 2012 | FY 2013 |
| <p>Description: Develop a containerized ice making system to support a 600 person base camp for cooling drinking water in extreme arid conditions and support other ice requirements for those on the base camp and for soldiers going out on missions/patrols.</p> <p>FY 2012 Accomplishments: Complete DT and initiate Operational Testing (OT).</p> <p>FY 2013 Plans: Complete OT. Prepare and approve Engineering Change Proposal (ECP) and transition into production.</p> <p>FY 2014 Plans: Prepare and approve final performance specification and initiate production contract</p> | | | |
| <p>Title: Fielded Individual Ration Improvement Project (FIRIP)</p> <p align="right">Articles:</p> <p>Description: Continuous product improvement project for the Meal Ready to Eat (MRE)</p> <p>FY 2012 Accomplishments: Based on field test results, present recommendations to JSORF (2Q10/2Q11) for continued product improvement of ration components/packaging/ technologies for MRE (2013/2014 DOP). Finalize MRE procurement documents and initiate transition to DSCP. Obtain OTSG approval. Perform cuttings for industry/OGA to ensure consistent ration quality, understand PCR requirements, and resolve vendor/supplier issues. Identify new components based on user feedback, focus groups, emerging products and technologies, and known user requirements. Obtain and assemble selected new items for test. Conduct field testing/ field evaluation of new ration components for MRE (2013/2014 DOP) to improve quality, acceptability, nutrition, and expand variety.</p> <p>FY 2013 Plans: Based on field test results, present recommendations to Joint Services (2Q13) for continued product improvement of ration components/packaging/technologies for MRE (2015 DOP). Finalize MRE procurement documents and initiate transition to Defense Logistic Agency (DLA) Troop Support. Obtain Surgeon General approval of revised MRE menus. Execute production testing with industry to ensure consistent ration quality, understand PCR requirements, and resolve vendor/supplier issues. Obtain and assemble selected new items for field test. Conduct field evaluation of new candidate ration components for MRE (2016 DOP) to improve quality, acceptability, nutrition and expand variety.</p> <p>FY 2014 Plans:</p> | | 0.160 0 | 0.143 0 |
| | | | 0.141 |

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| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | | FY 2012 | FY 2013 | FY 2014 |
| Based on field test results, present recommendations to Joint Services (2Q14) for continued product improvement of ration components/packaging/technologies for MRE (2017 DOP). Finalize MRE procurement documents and initiate transition to Defense Logistic Agency (DLA) Troop Support. Obtain Surgeon General approval of revised MRE menus. Execute production testing with industry to ensure consistent ration quality, understand PCR requirements, and resolve vendor/supplier issues. Obtain and assemble selected new items for field test. Conduct field evaluation of new candidate ration components for MRE (2017 DOP) to improve quality, acceptability, nutrition and expand variety. | | | | |
| Title: Assault/Special Purpose Ration Improvement Project (ASPIP) Description: Continuous product improvement of special purpose rations by the insertion of new technologies in nutrition, processing and packaging. FY 2012 Accomplishments: Post field test results, present recommendations to JSORF (2Q12) for continued product improvement of ration components/ packaging/ technologies for MCW/LRP and, Survival Rations and FSR (3/4). Finalize procurement documents and initiate transition to DSCP. Obtain OTSG approval for menus. Perform cuttings for industry/OGA to ensure consistent ration quality, understand PCR requirements, and resolve vendor/supplier issues. Identify new components based on user feedback, focus groups, emerging products and technologies, and known user requirements. Obtain and assemble selected new items for test. Conduct field testing/field evaluation of new ration components for MCW/LRP, Survival Rations, and FSR (4/5). FY 2013 Plans: Plan and execute field evaluation of new ration components for FSR. Present field test results and recommendations to Joint Services (2Q13) for continued product improvement of ration components/packaging/technologies for FSR. Develop, coordinate and finalize procurement documents to be transitioned to DLA - Troop Support. Obtain Surgeon General approval for the nutritional content of revised menus and components. FY 2014 Plans: Plan and execute field evaluation of new ration components for FSR. Present field test results and recommendations to Joint Services (2Q14) for continued product improvement of ration components/packaging/technologies for FSR. Develop, coordinate and finalize procurement documents to be transitioned to DLA - Troop Support. Obtain Surgeon General approval for the nutritional content of revised menus and components. | | Articles: 0.150 0 | 0.138 0 | 0.140 |
| Title: Fielded Group Ration Improvement Project (FGRIP) Articles: | | 0.163 0 | 0.148 0 | 0.150 |

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| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | | | FY 2012 | FY 2013 | FY 2014 |
| <p>Description: Continuous product improvement project to continuously update/improve group ration components, menus, and packaging by integrating state-of-the-art military/commercial packaging and technology base transitions.</p> <p>FY 2012 Accomplishments: Present recommendations to JSORF for UGR-H&S (2013-2014 DOP), UGR-A (2012-2013 DOP) and UGR-E (2013-2014 DOP) for continued product improvement. Obtain OTSG approval. Perform cuttings/production tests with industry/OGA to ensure consistent ration quality and producibility. Complete field testing of new ration components for UGR-H&S (2014-2015 DOP), UGR-A (2013-2014 DOP) and UGR-E (2014-2015 DOP) to improve quality and expand variety. Finalize UGR procurement documents and initiate transition to DSCP.</p> <p>FY 2013 Plans: Based on Warfighter testing, present results/recommendations to Joint Services for UGR-H&S/E (2014/15 DOP). Present UGR-A results/recommendations to the UGR Integrated Product Team for FY14 menus. Update/coordinate menus and obtain Surgeon General approval. Provide assistance to DLA Troop Support for Limited First Article production testing of newly approved UGR-H&S/E items. Complete field testing of UGR-H&S/E (2015/16 DOP) and UGR-A (FY15 menus) to improve quality, nutritional intake and expand variety. Finalize UGR procurements documents for transition to DLA - Troop Support.</p> <p>FY 2014 Plans: Based on Warfighter testing, present results/recommendations to Joint Services for UGR-H&S/E (2014/15 DOP). Present UGR-A results/recommendations to the UGR Integrated Product Team for FY14 menus. Update/coordinate menus and obtain Surgeon General approval. Provide assistance to DLA Troop Support for Limited First Article production testing of newly approved UGR-H&S/E items. Complete field testing of UGR-H&S/E (2015/16 DOP) and UGR-A (FY15 menus) to improve quality, nutritional intake and expand variety. Finalize UGR procurements documents for transition to DLA - Troop Support.</p> | | | | | |
| <p>Title: Navy Shipboard Galleys</p> <p align="right">Articles:</p> <p>Description: Provide continuous Research and Development (R&D) for Navy Shipboard Galleys for state-of-the-art Galley designs and equipment technologies; support Naval Supply Systems Command (NAVSUP) foodservice equipment standardization plan; integrate automated technology such as, prognostics, diagnostics, and reliability tracking</p> <p>FY 2012 Accomplishments: Conduct continuous market investigations of Commercial Off The Shelf (COTS) equipment to support Galley operations.</p> <p>FY 2013 Plans:</p> | | | 0.130 0 | 0.141 0 | 0.153 |

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| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | | FY 2012 | FY 2013 | FY 2014 |
| Identify requirements and metrics for Galley refrigeration assets and procure commercial equipment. Conduct evaluations on commercial refrigeration capability under simulated Navy afloat operations against established requirements metrics. Integrate products of Navy developmental efforts. FY 2014 Plans: Identify requirements and metrics for Galley refrigeration assets and procure commercial equipment. Conduct evaluations on commercial refrigeration capability under simulated Navy afloat operations against established requirements metrics. | | | | |
| Title: Integrated Thermal Control into Modern Burner Unit (MBU) Articles: Description: Imbed a thermostatic control within the MBU to allow the kitchen appliance temperature to be regulated at a set temperature by cycling the MBU on and off automatically FY 2012 Accomplishments: Complete testing and evaluation of integrated thermal control and transition to procurement. FY 2013 Plans: Conduct Operational Testing OT) on prototype. Based on a successful evaluation and concurrence from the customer, CASCOM, a new National Stock Number (NSN) for the integrated MBU will be assigned for procurement through DLA Troop Support | | 0.175 0 | 0.139 0 | 0.000 |
| Title: Automated Shipboard Dishwashing System Articles: Description: Provides an automated dishwashing system that alleviates the manual labor involved in dishwashing and reduces manning requirements for future Navy platforms. FY 2012 Accomplishments: Integrate & evaluate Phase III Small Business Innovation Research (SBIR) production model onboard an Aircraft Carrier and transition final system to PEO Carriers for procurement. | | 0.286 0 | 0.000 | 0.000 |
| Title: Ration Airdrop Survivability Articles: Description: Provides updated high velocity airdrop performance characteristics for current ration configurations/designs, identifies ration survival rates for defined operational conditions critical to mission planning and effectiveness, and offers insight into capability gaps that might warrant revision to use protocol or appropriate product redesign and reengineering. FY 2012 Accomplishments: | | 0.170 0 | 0.140 0 | 0.000 |

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| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | | FY 2012 | FY 2013 | FY 2014 |
| Redesign components/ menus for retest, reassessment and recommendations for transition of improved, more survivable (via airdrop) rations. FY 2013 Plans: Extensive airdrop testing to determine components, technologies, and packaging with the highest survival rates across all ration systems and components. Perform cost/benefit analysis. Transition updated technical data to Defense Logistics Agency (DLA)-Troop Support (TS) | | | | |
| Title: Joint Services Refrigerated Container System Articles: Description: To develop and field a highly expandable, highly efficient TriCon refrigerated container system that utilizes adaptable advanced technologies (i.e. smart power metering, novel insulation, polychromatic coatings, composites, and alternate energy sources) to enable the safe/proper storage of perishable group rations in forward deployed areas. FY 2013 Plans: Conduct Developmental Testing at Aberdeen Proving Grounds (APG). Conduct User Evaluations with all Services. FY 2014 Plans: Conduct Developmental Testing at Aberdeen Proving Grounds (APG). Conduct User Evaluations with all Services. | | 0.000 | 0.339 0 | 0.126 |
| Title: Basic Expeditionary Airfield Resources (BEAR) Kitchen System Enhancements (BEAR-KSE) Articles: Description: The BEAR-KSE will evaluate multifunction appliances, reduce pallet positions, and develop TriCon and BiCon packing plans to meet the Air Forces transportability requirements of 30% by air and 70% by land, sea, and rail. FY 2013 Plans: Complete in-house evaluation of the food service equipment, which will meet Air Force requirements for a lighter, leaner, more rapidly deployable system. Develop 3-D models and conduct pack-out assessments to support transportability requirements of 30% by air and 70% by land, sea, and rail. FY 2014 Plans: Complete in-house evaluation of the food service equipment, which will meet Air Force requirements for a lighter, leaner, more rapidly deployable system. Develop 3-D models and conduct pack-out assessments to support transportability requirements of 30% by air and 70% by land, sea, and rail. Transition data to PM-BEAR | | 0.000 | 0.230 0 | 0.302 |
| Title: Assault Kitchen-Enhancement to Include UGR-A Capability Articles: | | 0.175 0 | 0.220 0 | 0.000 |

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| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | | FY 2012 | FY 2013 | FY 2014 |
| Description: Develop a fully integrated refrigeration system for the Assault Kitchen to allow the AK to support UGR-A ration feeding, and menu supplements. FY 2012 Accomplishments: A limited user demonstration of a Level of Effort (LOE) 1 configuration is planned. Results from any testing will be evaluated before addition to the AK Technical Manual. Requirements for the follow-on LOE 2 will be defined. The selection and evaluation of LOE 2 components will be initiated. FY 2013 Plans: Complete all testing and evaluation of the enhanced Assault Kitchen configuration with refrigeration and sanitation components added to provide full Unitized Group Ration A (UGR-A) capability at and below company level. Integrate new components into Assault Kitchen for production and fielding. | | | | |
| Title: Multi-Functional Secondary Packaging Articles: Description: Integrate alternative secondary packaging technologies into current ration packaging systems so as to reduce cost and waste generation, while maintaining required field performance. Production and insertion of new packaging technologies into individual, assault/special purpose and group ration systems. Provide lighter weight, lower cost, recyclable MRE and Unitized Group Ration shipping containers. FY 2013 Plans: Producibility (ration assembly) and transportation studies will be performed for the new containers in comparison to the existing containers. Field testing and user acceptability/ disposability studies will be conducted. Documentation will be prepared for transition of the container specifications into continuous ration improvement projects. | | 0.000 | 0.094 0 | 0.000 |
| Title: Transition of Advanced Appliances for Field Kitchens Description: Perform Engineering and Manufacturing Development (EMD) on appliance and burner technologies transitioned from technology efforts to develop advanced appliances based on JP-8 combustion. The outcome from the EMD effort will be introduced into production and or RESET to the Containerized Kitchen (CK) and/or MKT replacement platform as appropriate. FY 2014 Plans: | | 0.000 | 0.000 | 0.415 |

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| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | | | | | | | | | | FY 2012 | FY 2013 | FY 2014 |
| Finalize integration of modular appliances into platforms. Initial units will undergo customer testing with a test/fix cycle. This process will uncover weaknesses prior to the Production Qualification Test (PQT). When prototypes have reached acceptable level of maturity, PQT Prototypes will be designed and fabricated and the PQT will be performed. | | | | | | | | | | | | |
| Title: Autonomous Shipboard Cleaning System Description: Provides an automated dishwashing system that alleviates the manual labor involved in dishwashing and reduces manning requirements for future Navy platforms. FY 2014 Plans: Finalize development of prototype developed under Phase II under the Phase III development effort. Document results of FY14 land-based testing at Natick Soldier Research Development and Engineering Center (NSRDEC). Identify if need for additional testing exists. Perform enhanced simulation testing and demonstrations of the upgraded prototypes at Naval Surface Warfare Center's test facilities | | | | | | | | | | 0.000 | 0.000 | 0.202 |
| Title: SBIR+STTR Description: SBIR+STTR FY 2012 Accomplishments: SBIR+STTR | | | | | | | | | | 0.064 0 | 0.000 | 0.000 |
| Articles: | | | | | | | | | | | | |
| Accomplishments/Planned Programs Subtotals | | | | | | | | | | 2.008 | 2.132 | 1.939 |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | | |
| Line Item | FY 2012 | FY 2013 | FY 2014 Base | FY 2014 OCO | FY 2014 Total | FY 2015 | FY 2016 | FY 2017 | FY 2018 | Cost To Complete | Total Cost | |
| • RDT&E 643747.610: <i>Food Adv Dev</i> | 3.720 | 4.014 | 5.188 | | 5.188 | 5.213 | 4.892 | 4.974 | 5.574 | Continuing | Continuing | |
| • OPA M65803: <i>Kitchen, Containerized, Field</i> | | | 0.200 | | 0.200 | | | | | 0.000 | 0.200 | |
| • OPA M65802: <i>Sanitation Center, Field Feeding</i> | | | 0.100 | | 0.100 | | | | | 0.000 | 0.100 | |
| Remarks | | | | | | | | | | | | |

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| <p><u>D. Acquisition Strategy</u></p> <p>Complete System Development and Demonstration of food items and equipment for transition into competitive procurement contract. Complete advanced research efforts to support Engineer Change Proposals for previously developed equipment.</p> <p><u>E. Performance Metrics</u></p> <p>Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.</p> | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Army | | | | | | | | | | | | DATE: April 2013 | | | |
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| Management Services (\$ in Millions) | | | | FY 2012 | | FY 2013 | | FY 2014 Base | | FY 2014 OCO | | FY 2014 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| CFP Management | C/FP | RDECOM:Natick, MA | 1.795 | 0.219 | | 0.236 | | 0.234 | | - | | 0.234 | 0.000 | 2.484 | Continuing |
| SBIR+STTR | TBD | Various:Various | 0.000 | 0.064 | | - | | - | | - | | - | 0.000 | 0.064 | 0.000 |
| Subtotal | | | 1.795 | 0.283 | | 0.236 | | 0.234 | | 0.000 | | 0.234 | 0.000 | 2.548 | |
| Product Development (\$ in Millions) | | | | FY 2012 | | FY 2013 | | FY 2014 Base | | FY 2014 OCO | | FY 2014 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Various combat feeding equipment, multi fuel and water equipment | C/FP | RDECOM:Natick, MA | 3.369 | 0.900 | | 1.057 | | 0.872 | | - | | 0.872 | 0.000 | 6.198 | Continuing |
| DOD Field Feeding Equipment | C/FP | Various:Various | 2.862 | 0.275 | | 0.280 | | 0.278 | | - | | 0.278 | 0.000 | 3.695 | Continuing |
| Army Field Feeding Equipment Development | C/FP | PM Force Sustainment Systems (FSS):Natick, MA | 1.914 | 0.211 | | 0.214 | | 0.212 | | - | | 0.212 | 0.000 | 2.551 | Continuing |
| Subtotal | | | 8.145 | 1.386 | | 1.551 | | 1.362 | | 0.000 | | 1.362 | 0.000 | 12.444 | |
| Test and Evaluation (\$ in Millions) | | | | FY 2012 | | FY 2013 | | FY 2014 Base | | FY 2014 OCO | | FY 2014 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Various | Various | TECOM/OEC/ATC:Warren, MI | 3.036 | 0.339 | | 0.345 | | 0.343 | | - | | 0.343 | 0.000 | 4.063 | Continuing |
| Subtotal | | | 3.036 | 0.339 | | 0.345 | | 0.343 | | 0.000 | | 0.343 | 0.000 | 4.063 | |
| | | | All Prior Years | FY 2012 | | FY 2013 | | FY 2014 Base | | FY 2014 OCO | | FY 2014 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | 12.976 | 2.008 | | 2.132 | | 1.939 | | 0.000 | | 1.939 | 0.000 | 19.055 | |

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|--|--------------------|---------|---------|---|----------------|------------------|--------------------------|---------------|--------------------------------|--|--|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Army | | | | | | | DATE: April 2013 | | | | |
| APPROPRIATION/BUDGET ACTIVITY | | | | R-1 ITEM NOMENCLATURE | | | PROJECT | | | | |
| 2040: Research, Development, Test & Evaluation, Army BA 5: System Development & Demonstration (SDD) | | | | PE 0604713A: Combat Feeding, Clothing, and Equipment | | | 548: Mil Subsistence Sys | | | | |
| | All Prior Years | FY 2012 | FY 2013 | FY 2014 Base | FY 2014 OCO | FY 2014 Total | Cost To Complete | Total Cost | Target Value of Contract | | |
| Remarks | | | | | | | | | | | |

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|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|-------------------------------------|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| Exhibit R-4, RDT&E Schedule Profile: PB 2014 Army | | | | | | | | | | | | | | | | DATE: April 2013 | | | | | | | | | | | | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: System Development & Demonstration (SDD) | | | | | | | | R-1 ITEM NOMENCLATURE PE 0604713A: Combat Feeding, Clothing, and Equipment | | | | | | | | PROJECT 548: Mil Subsistence Sys | | | | | | | | | | | | |
| | FY 2012 | | | | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Transition Containerized Ice Making System to Procurement | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transition CK P3I to RESET | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transition Temp Controllers for Field Kitchen Appliances to Procurement | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Conduct Navy Future Galley Modular and Seabasing Effort | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transition Solid Waste Remediation System to Procurement | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Conduct DT/OT on CK Reset kit | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Conduct Shipboard testing of Automated Shipboard Dishwashing System (ASDS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transition ASDS to USN for Procurement | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Conduct field test of UGR-A capability for Assault Kitchen (AK) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transition UGR-A capability for AK to procurement | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transition Multi-Functional Secondary Packing to DLA-TS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Conduct DT/OT on Ice Maker Prototype | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transition Ice Maker to Procurement | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Perform shelf life studies utilizing improved modeling algorithms | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Perform field tests for user evaluation of novel processing technologies | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Complete all TDP Changes for BEAR Kitchen Enhancements | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-4, RDT&E Schedule Profile: PB 2014 Army | | | | | | | | | | | | | | | | | | | | DATE: April 2013 | | | | | | | | | | | | | | | | | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: System Development & Demonstration (SDD) | | | | | | | | | | R-1 ITEM NOMENCLATURE PE 0604713A: Combat Feeding, Clothing, and Equipment | | | | | | | | | | PROJECT 548: Mil Subsistence Sys | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | FY 2012 | | | | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | |
| | | | | | | | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Initiate modular appliance design upgrades based on customer test | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Initiate PQT Prototypes for advanced modular appliances | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transition Autonomous Shipboard Cleaning System to Navy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Perform Critical component testing for diesel electric TCRCS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2014 Army | | | DATE: April 2013 |
| APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>System Development & Demonstration (SDD)</i> | R-1 ITEM NOMENCLATURE PE 0604713A: <i>Combat Feeding, Clothing, and Equipment</i> | PROJECT 548: <i>Mil Subsistence Sys</i> | |

Schedule Details

| Events | Start | | End | |
|--|----------------|-------------|----------------|-------------|
| | Quarter | Year | Quarter | Year |
| Transition Containerized Ice Making System to Procurement | 4 | 2013 | 4 | 2013 |
| Transition CK P3I to RESET | 4 | 2013 | 4 | 2013 |
| Transition Temp Controllers for Field Kitchen Appliances to Procurement | 4 | 2013 | 4 | 2013 |
| Conduct Navy Future Galley Modular and Seabasing Effort | 1 | 2014 | 4 | 2015 |
| Transition Solid Waste Remediation System to Procurement | 1 | 2014 | 1 | 2014 |
| Conduct DT/OT on CK Reset kit | 4 | 2012 | 1 | 2013 |
| Conduct Shipboard testing of Automated Shipboard Dishwashing System (ASDS) | 3 | 2012 | 4 | 2012 |
| Transition ASDS to USN for Procurement | 1 | 2013 | 1 | 2013 |
| Conduct field test of UGR-A capability for Assault Kitchen (AK) | 3 | 2012 | 2 | 2013 |
| Transition UGR-A capability for AK to procurement | 4 | 2013 | 4 | 2013 |
| Transition Multi-Functional Secondary Packing to DLA-TS | 1 | 2014 | 1 | 2014 |
| Conduct DT/OT on Ice Maker Prototype | 4 | 2012 | 3 | 2013 |
| Transition Ice Maker to Procurement | 4 | 2013 | 4 | 2013 |
| Perform shelf life studies utilizing improved modeling algorithms | 1 | 2014 | 4 | 2015 |
| Perform field tests for user evaluation of novel processing technologies | 1 | 2015 | 3 | 2015 |
| Complete all TDP Changes for BEAR Kitchen Enhancements | 4 | 2014 | 4 | 2014 |
| Initiate modular appliance design upgrades based on customer test | 2 | 2014 | 3 | 2014 |
| Initiate PQT Prototypes for advanced modular appliances | 4 | 2014 | 4 | 2014 |
| Transition Autonomous Shipboard Cleaning System to Navy | 4 | 2015 | 4 | 2015 |
| Perform Critical component testing for diesel electric TCRCS | 3 | 2015 | 4 | 2015 |