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

|   |   |
|---|---|
| <b>Appropriation/Budget Activity</b><br>2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i> | <b>R-1 Program Element (Number/Name)</b><br>PE 0603801A / <i>Aviation - Adv Dev</i> |
|---|---|

| 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             | -           | 7.227   | 5.015   | -            | -             | -             | -       | -       | -       | -       | -                | 12.242     |
| B32: <i>Adv Maint Concepts/Eq</i> | -           | 7.227   | 5.015   | -            | -             | -             | -       | -       | -       | -       | -                | 12.242     |

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

**Note**

NOTE: In FY2015, all funds on this PE/Project moves to PE 0605830A Project EE5 to realign to Budget Activity 05, System Development and Demonstration.

**A. Mission Description and Budget Item Justification**

This PE provides advanced development aviation support of programs that include advanced maintenance concepts and equipment. This program provides for development of rapid battle repair procedures, tools development to speed the return of aircraft to a full mission status, and development of new equipment for aerial recovery of damaged aircraft. Included in this project are: diagnostics/prognostic monitoring systems, Aviation Foot Locker (AFL), Aviation Ground Power Unit (AGPU) equipment familiarization software, redesign and incorporation of AGPU modularity capabilities, Aviation Light Utility Mobile Maintenance Cart (ALUMMC), Aviation Intermediate Maintenance Shop Set (AVIM SS), Aviation Unit Maintenance Shop Set (AVUM SS), Flexible Engine Diagnostic System (FEDS), Unit Maintenance Aerial Recovery Kit (UMARK) and development support for tools needed to provide maintenance support to modernized/future force aircraft.

| <b>B. Program Change Summary (\$ in Millions)</b> | <b><u>FY 2013</u></b> | <b><u>FY 2014</u></b> | <b><u>FY 2015 Base</u></b> | <b><u>FY 2015 OCO</u></b> | <b><u>FY 2015 Total</u></b> |
|---|-----------------------|-----------------------|----------------------------|---------------------------|-----------------------------|
| Previous President's Budget                       | 8.602                 | 5.018                 | 10.041                     | -                         | 10.041                      |
| Current President's Budget                        | 7.227                 | 5.015                 | -                          | -                         | -                           |
| Total Adjustments                                 | -1.375                | -0.003                | -10.041                    | -                         | -10.041                     |
| • Congressional General Reductions                | -0.012                | -                     |                            |                           |                             |
| • Congressional Directed Reductions               | -                     | -                     |                            |                           |                             |
| • Congressional Rescissions                       | -                     | -                     |                            |                           |                             |
| • Congressional Adds                              | -                     | -                     |                            |                           |                             |
| • Congressional Directed Transfers                | -                     | -                     |                            |                           |                             |
| • Reprogrammings                                  | -1.100                | -                     |                            |                           |                             |
| • SBIR/STTR Transfer                              | -0.263                | -0.003                |                            |                           |                             |
| • Adjustments to Budget Years                     | -                     | -                     | -10.041                    | -                         | -10.041                     |

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**Exhibit R-2A, RDT&E Project Justification:** PB 2015 Army **Date:** March 2014

| Appropriation/Budget Activity<br>2040 / 4 |             |         |         |              | R-1 Program Element (Number/Name)<br>PE 0603801A / Aviation - Adv Dev |               |         |         | Project (Number/Name)<br>B32 / Adv Maint Concepts/Eq |         |                  |            |
|---|-------------|---------|---------|--------------|---|---------------|---------|---------|--|---------|------------------|------------|
| 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 |
| B32: Adv Maint Concepts/Eq                | -           | 7.227   | 5.015   | -            | -   | -             | -       | -       | -  | -       | -                | 12.242     |
| Quantity of RDT&E Articles                | -           | -       | -       | -            | -   | -             | -       | -       | -  | -       |                  |            |

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

**Note**

Beginning in FY 2015, funding on this Project was realigned to PE/Project 0605830A/EE5 to reflect the program's development efforts in Budget Activity 05, System Development and Demonstration.

**A. Mission Description and Budget Item Justification**

This Project provides advanced development aviation support of programs that include advanced maintenance concepts and equipment. This program provides for development of rapid battle repair procedures, tools development to speed the return of aircraft to a full mission status, and development of new equipment for aerial recovery of damaged aircraft. Included in this project are: Aviation Foot Locker (AFL), Aviation Ground Power Unit (AGPU) equipment familiarization software, redesign and incorporation of AGPU modularity capabilities, Aviation Light Utility Mobile Maintenance Cart (ALUMMC), Aviation Intermediate Maintenance Shop Set (AVIM SS), Aviation Unit Maintenance Shop Set (AVUM SS), Flexible Engine Diagnostic System (FEDS), Non-Destructive Test Equipment (NDTE), Swaging Tool Kits (SWTK), and Unit Maintenance Aerial Recovery Kit (UMARK) and development support for tools needed to provide maintenance support to modernized/future force aircraft.

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

|  | FY 2013               | FY 2014               | FY 2015           |
|--|-----------------------|-----------------------|-------------------|
| <p><b>Title:</b> Aviation Foot Locker (AFL)</p> <p align="right"><b>Articles:</b></p> <p><b>Description:</b> The AFL provides a standard Aviation Maintenance capability in a durable outer shell which augments the aviation maintainers' individual tool kits to maintain Army aircraft.</p> <p><b>FY 2013 Accomplishments:</b><br/>Completed the Product Item Description (PID).</p>  | <p>0.100</p> <p>-</p> | <p>-</p> <p>-</p>     | <p>-</p> <p>-</p> |
| <p><b>Title:</b> Aviation Ground Power Unit (AGPU)</p> <p align="right"><b>Articles:</b></p> <p><b>Description:</b> The AGPU provides the capability to meet Army helicopter servicing requirements into the next decade by providing a modular, diagnostic/prognostic monitoring system with external hydraulic, pneumatic, and AC/DC electrical power to all Modernized Force Aircraft.</p> <p><b>FY 2013 Accomplishments:</b></p> | <p>1.871</p> <p>-</p> | <p>1.250</p> <p>-</p> | <p>-</p> <p>-</p> |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2015 Army   |  | <b>Date:</b> March 2014                                     |                |                |
| <b>Appropriation/Budget Activity</b><br>2040 / 4   | <b>R-1 Program Element (Number/Name)</b><br>PE 0603801A / Aviation - Adv Dev | <b>Project (Number/Name)</b><br>B32 / Adv Maint Concepts/Eq |                |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>  |  | <b>FY 2013</b>  | <b>FY 2014</b> | <b>FY 2015</b> |
| <p>Performed AGPU Hydraulic Module redesign, electrical upgrade, and Auxiliary Power Unit (APU) replacement analysis to meet requirements of updated Capability Production Document, developed and integrated AGPU diagnostic system, and prepared test plans for newly integrated capabilities.</p> <p><b>FY 2014 Plans:</b><br/>Complete AGPU Hydraulic Module redesign, electrical upgrade, and APU replacement analysis and begin testing of newly integrated capabilities.</p>  |  |   |                |                |
| <p><b>Title:</b> Aviation Light Utility Mobile Maintenance Cart (ALUMMC)</p> <p align="right"><b>Articles:</b></p> <p><b>Description:</b> ALUMMC will enhance mission performance of current forces by reducing the burden on Army Aviation units currently using TDA and TOE tactical vehicles to support flight line operations and providing a standardized and sustainable vehicle to move personnel and equipment along the flight line.</p> <p><b>FY 2013 Accomplishments:</b><br/>Performed product evaluation and operational test plans, procured test samples for evaluation.</p> <p><b>FY 2014 Plans:</b><br/>Complete product evaluation and operational test.</p> |  | 0.588<br>-  | 0.600<br>-     | -<br>-         |
| <p><b>Title:</b> Aviation Intermediate Maintenance Shop Set (AVIM SS)</p> <p align="right"><b>Articles:</b></p> <p><b>Description:</b> The AVIM Shop Set complex is comprised of ten (10) Class 7 shop sets in new or refurbished One Side Expandable (OSE) International Standardization Organization (ISO) shelters. These shops include the: Power Train, Non-Destructive Inspection, Engine, Pneudraulic, Composite, Tool Crib, Production Control / Quality Control, Sheet Metal, Machine Weld, and Armament &amp; Electrical shops.</p> <p><b>FY 2013 Accomplishments:</b><br/>Provided support for continuous composite repair procedure and tooling development.</p>   |  | 0.150<br>-  | -<br>-         | -<br>-         |
| <p><b>Title:</b> Aviation Unit Maintenance Shop Set (AVUM SS)</p> <p align="right"><b>Articles:</b></p> <p><b>Description:</b> The AVUM SS consists of three deployable shelters which provide deployable tool loads required for unit-level aviation maintenance tasks.</p> <p><b>FY 2014 Plans:</b></p>  |  | -<br>-  | 1.000<br>-     | -<br>-         |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2015 Army   |  | <b>Date:</b> March 2014                                     |                |                |
| <b>Appropriation/Budget Activity</b><br>2040 / 4   | <b>R-1 Program Element (Number/Name)</b><br>PE 0603801A / Aviation - Adv Dev | <b>Project (Number/Name)</b><br>B32 / Adv Maint Concepts/Eq |                |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>  |  | <b>FY 2013</b>  | <b>FY 2014</b> | <b>FY 2015</b> |
| Begin development of a Modification Work Order to replace current AVUM SS shelter with an ISO compliant shelter which will standardize Aviation Intermediate and Unit Level Maintenance Shop Set shelters, increasing workspace and providing an adaptable platform to accommodate emerging requirements for aviation maintenance tools and procedures. Includes preparation of Statement of Work, preparation of the contract requirements package, technical review of proposals, and load planning and testing. |  |   |                |                |
| <b>Title:</b> Flexible Engine Diagnostic System (FEDS)   |  |   |                |                |
| <b>Articles:</b>   |  | 2.080   | -              | -              |
|  |  | -   | -              | -              |
| <b>Description:</b> The FEDS is an engine test system designed to test and verify flight readiness of T-55 and T-700 series engines which have been removed from aircraft for maintenance.   |  |   |                |                |
| <b>FY 2013 Accomplishments:</b><br>Completed User and Maintenance Assessment and finalized the Technical Data Package (TDP).   |  |   |                |                |
| <b>Title:</b> Unit Maintenance Aerial Recovery Kit (UMARK)   |  |   |                |                |
| <b>Articles:</b>   |  | 1.534   | 1.091          | -              |
|  |  | -   | -              | -              |
| <b>Description:</b> UMARK provides Aviation Support Company and Aviation Maintenance Company units with the ability to quickly rig for transport crash-damaged non-flyable modernized aircraft or aircraft undergoing maintenance for evacuation.  |  |   |                |                |
| <b>FY 2013 Accomplishments:</b><br>Continued ground and flight testing verification.   |  |   |                |                |
| <b>FY 2014 Plans:</b><br>Complete ground and flight testing and verification.  |  |   |                |                |
| <b>Title:</b> Management Support Services  |  |   |                |                |
| <b>Articles:</b>   |  | 0.468   | 0.297          | -              |
|  |  | -   | -              | -              |
| <b>Description:</b> Management Support Services in Support of the Aviation Ground Support Equipment Product Management Office.   |  |   |                |                |
| <b>FY 2013 Accomplishments:</b><br>Management Support Services.  |  |   |                |                |
| <b>FY 2014 Plans:</b><br>Management Support Services.  |  |   |                |                |
| <b>Title:</b> RDTE Project Test Support  |  |   |                |                |
| <b>Articles:</b>   |  | 0.287   | 0.250          | -              |
|  |  | -   | -              | -              |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2015 Army |  | <b>Date:</b> March 2014                                     |
| <b>Appropriation/Budget Activity</b><br>2040 / 4                   | <b>R-1 Program Element (Number/Name)</b><br>PE 0603801A / Aviation - Adv Dev | <b>Project (Number/Name)</b><br>B32 / Adv Maint Concepts/Eq |

| <b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>  | <b>FY 2013</b> | <b>FY 2014</b> | <b>FY 2015</b> |
|--|----------------|----------------|----------------|
| <p><b>Description:</b> RDTE Project Test Support for the Aviation Ground Support Equipment Product Management Office.</p> <p><b>FY 2013 Accomplishments:</b><br/>RDTE Project Test Support.</p> <p><b>FY 2014 Plans:</b><br/>RDTE Project Test Support.</p>                      |                |                |                |
| <p><b>Title:</b> Technical Engineering Services</p> <p align="right"><b>Articles:</b></p>  | 0.149<br>-     | 0.527<br>-     | -<br>-         |
| <p><b>Description:</b> Technical Engineering Services in support of Aviation Ground Support Equipment Product Management Office.</p> <p><b>FY 2013 Accomplishments:</b><br/>Technical Engineering Services.</p> <p><b>FY 2014 Plans:</b><br/>Technical Engineering Services.</p> |                |                |                |
| <b>Accomplishments/Planned Programs Subtotals</b>  | 7.227          | 5.015          | -              |

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

| <b>Line Item</b>  | <b>FY 2013</b> | <b>FY 2014</b> | <b>FY 2015<br/>Base</b> | <b>FY 2015<br/>OCO</b> | <b>FY 2015<br/>Total</b> | <b>FY 2016</b> | <b>FY 2017</b> | <b>FY 2018</b> | <b>FY 2019</b> | <b>Cost To<br/>Complete</b> | <b>Total Cost</b> |
|---|----------------|----------------|-------------------------|------------------------|--------------------------|----------------|----------------|----------------|----------------|-----------------------------|-------------------|
| • Aviation Ground Support Equipment: <i>Aviation Ground Support Equipment, SSN AZ3520</i> | 82.412         | 57.499         | -                       | -                      | -                        | -              | -              | -              | -              | -                           | 139.911           |

**Remarks**

**D. Acquisition Strategy**

This project is an aggregate of advanced maintenance concepts related projects. While the detailed acquisition strategy varies from project to project, the general strategy for each individual project is to complete the development effort through Government test (developmental and operational). Program documentation for milestone decision is prepared, as appropriate, concurrently with the development effort.

**E. Performance Metrics**

N/A

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army** **Date:** March 2014

|  |  |   |
|--|--|---|
| <b>Appropriation/Budget Activity</b><br>2040 / 4 | <b>R-1 Program Element (Number/Name)</b><br>PE 0603801A / Aviation - Adv Dev | <b>Project (Number/Name)</b><br>B32 / Adv Maint Concepts/Eq |
|--|--|---|

| <b>Management Services (\$ in Millions)</b> |                        |                                |             | FY 2013 |            | FY 2014 |            | FY 2015 Base |            | FY 2015 OCO |            | FY 2015 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---|------------------------|--------------------------------|-------------|---------|------------|---------|------------|--------------|------------|-------------|------------|---------------|------------------|------------|--------------------------|
| Cost Category Item                          | Contract Method & Type | Performing Activity & Location | Prior Years | Cost    | Award Date | Cost    | Award Date | Cost         | Award Date | Cost        | Award Date | Cost          |                  |            |                          |
| Management Support Services                 | Various                | PM AGSE : RSA, AL              | 1.149       | 0.468   | Feb 2013   | 0.297   | Jan 2014   | -            |            | -           |            | -             | -                | 1.914      | -                        |
| <b>Subtotal</b>                             |                        |                                | 1.149       | 0.468   |            | 0.297   |            | -            |            | -           |            | -             | -                | 1.914      | -                        |

**Remarks**  
None

| <b>Product Development (\$ in Millions)</b> |                        |  |             | FY 2013 |            | FY 2014 |            | FY 2015 Base |            | FY 2015 OCO |            | FY 2015 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---|------------------------|--|-------------|---------|------------|---------|------------|--------------|------------|-------------|------------|---------------|------------------|------------|--------------------------|
| Cost Category Item                          | Contract Method & Type | Performing Activity & Location   | Prior Years | Cost    | Award Date | Cost    | Award Date | Cost         | Award Date | Cost        | Award Date | Cost          |                  |            |                          |
| AFL   | Various                | AMCOM, RSA;<br>TRADOC : Fort Rucker, AL  | 0.000       | 0.100   | Apr 2014   | -       |            | -            |            | -           |            | -             | -                | 0.100      | -                        |
| AGPU  | Various                | RTTC, Redstone Arsenal (RSA), AL;<br>AMRDEC, RSA, AL; Aberdeen Test Center (ATC), :<br>Aberdeen Proving Ground, MD | 11.351      | 1.871   | Feb 2013   | 1.250   | Jun 2014   | -            |            | -           |            | -             | -                | 14.472     | -                        |
| ALUMMC                                      | Various                | ATTD, Ft. Eustis, VA, Aberdeen Test Center (ATC), :<br>Aberdeen Proving Ground MD                                  | 0.872       | 0.588   | Sep 2013   | 0.600   | Jul 2014   | -            |            | -           |            | -             | -                | 2.060      | -                        |
| AVIM SS                                     | Various                | AMRDEC, (RSA), AL, Aberdeen Test Center (ATC), :<br>Aberdeen, MD   | 0.000       | 0.150   | Apr 2014   | -       |            | -            |            | -           |            | -             | -                | 0.150      | -                        |
| AVUM SS                                     | Various                | AMRDEC, RSA, RTTC, RSA, Aberdeen Test Center (ATC), :  | 0.000       | -       |            | 1.000   | Jul 2014   | -            |            | -           |            | -             | -                | 1.000      | -                        |

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army** **Date:** March 2014

|  |  |   |
|--|--|---|
| <b>Appropriation/Budget Activity</b><br>2040 / 4 | <b>R-1 Program Element (Number/Name)</b><br>PE 0603801A / Aviation - Adv Dev | <b>Project (Number/Name)</b><br>B32 / Adv Maint Concepts/Eq |
|--|--|---|

| <b>Product Development (\$ in Millions)</b> |                        |  |             | FY 2013 |            | FY 2014 |            | FY 2015 Base |            | FY 2015 OCO |            | FY 2015 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---|------------------------|--|-------------|---------|------------|---------|------------|--------------|------------|-------------|------------|---------------|------------------|------------|--------------------------|
| Cost Category Item                          | Contract Method & Type | Performing Activity & Location   | Prior Years | Cost    | Award Date | Cost    | Award Date | Cost         | Award Date | Cost        | Award Date | Cost          |                  |            |                          |
|   |                        | Aberdeen Proving Ground, MD  |             |         |            |         |            |              |            |             |            |               |                  |            |                          |
| FEDS  | Various                | AMRDEC, RAPTR; Redstone Test Center : Redstone Arsenal, AL                   | 0.000       | 2.080   | Oct 2012   | -       |            | -            |            | -           |            | -             | -                | 2.080      | -                        |
| UMARK                                       | Various                | AMRDEC, (RSA), AL, Aberdeen Test Center (ATC), : Aberdeen Proving Ground, MD | 5.330       | 1.534   | Jan 2013   | 1.091   | Feb 2014   | -            |            | -           |            | -             | -                | 7.955      | -                        |
| <b>Subtotal</b>                             |                        |  | 17.553      | 6.323   |            | 3.941   |            | -            |            | -           |            | -             | -                | 27.817     | -                        |

| <b>Support (\$ in Millions)</b> |                        |                                |             | FY 2013 |            | FY 2014 |            | FY 2015 Base |            | FY 2015 OCO |            | FY 2015 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---------------------------------|------------------------|--------------------------------|-------------|---------|------------|---------|------------|--------------|------------|-------------|------------|---------------|------------------|------------|--------------------------|
| Cost Category Item              | Contract Method & Type | Performing Activity & Location | Prior Years | Cost    | Award Date | Cost    | Award Date | Cost         | Award Date | Cost        | Award Date | Cost          |                  |            |                          |
| Technical Engineering Services  | MIPR                   | AATD, : Ft. Eustis, VA         | 6.976       | 0.089   | Jan 2013   | 0.388   | Mar 2014   | -            |            | -           |            | -             | -                | 7.453      | -                        |
| Technical Engineering Services  | MIPR                   | AED : Redstone Arsenal, AL     | 0.000       | 0.060   | Jun 2013   | 0.139   | Mar 2014   | -            |            | -           |            | -             | -                | 0.199      | -                        |
| <b>Subtotal</b>                 |                        |                                | 6.976       | 0.149   |            | 0.527   |            | -            |            | -           |            | -             | -                | 7.652      | -                        |

**Remarks**  
None

| <b>Test and Evaluation (\$ in Millions)</b> |                        |                                    |             | FY 2013 |            | FY 2014 |            | FY 2015 Base |            | FY 2015 OCO |            | FY 2015 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---|------------------------|------------------------------------|-------------|---------|------------|---------|------------|--------------|------------|-------------|------------|---------------|------------------|------------|--------------------------|
| Cost Category Item                          | Contract Method & Type | Performing Activity & Location     | Prior Years | Cost    | Award Date | Cost    | Award Date | Cost         | Award Date | Cost        | Award Date | Cost          |                  |            |                          |
| RDTE Project Test Support                   | MIPR                   | ATC, : Aberdeen Proving Ground, MD | 1.618       | 0.248   | Feb 2013   | 0.250   | Mar 2014   | -            |            | -           |            | -             | -                | 2.116      | -                        |
| RDTE Project Test Support                   | Various                | AMCOM : Redstone Arsenal, AL       | 0.000       | 0.039   | May 2013   | -       |            | -            |            | -           |            | -             | -                | 0.039      | -                        |

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army** **Date:** March 2014

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| <b>Appropriation/Budget Activity</b><br>2040 / 4 | <b>R-1 Program Element (Number/Name)</b><br>PE 0603801A / Aviation - Adv Dev | <b>Project (Number/Name)</b><br>B32 / Adv Maint Concepts/Eq |
|--|--|---|

| Test and Evaluation (\$ in Millions) |                        |                                |             | FY 2013 |            | FY 2014 |            | FY 2015 Base |            | FY 2015 OCO |            | FY 2015 Total | Cost To Complete | Total Cost | Target Value of Contract |
|--------------------------------------|------------------------|--------------------------------|-------------|---------|------------|---------|------------|--------------|------------|-------------|------------|---------------|------------------|------------|--------------------------|
| Cost Category Item                   | Contract Method & Type | Performing Activity & Location | Prior Years | Cost    | Award Date | Cost    | Award Date | Cost         | Award Date | Cost        | Award Date | Cost          |                  |            |                          |
| <b>Subtotal</b>                      |                        |                                | 1.618       | 0.287   |            | 0.250   |            | -            |            | -           |            | -             | -                | 2.155      | -                        |

**Remarks**  
None

|                            | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | Cost To Complete | Total Cost | Target Value of Contract |
|----------------------------|-------------|---------|---------|--------------|-------------|---------------|------------------|------------|--------------------------|
| <b>Project Cost Totals</b> | 27.296      | 7.227   | 5.015   | -            | -           | -             | -                | 39.538     | -                        |

**Remarks**

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**Exhibit R-4, RDT&E Schedule Profile: PB 2015 Army** **Date:** March 2014

|  |  |   |
|--|--|---|
| <b>Appropriation/Budget Activity</b><br>2040 / 4 | <b>R-1 Program Element (Number/Name)</b><br>PE 0603801A / Aviation - Adv Dev | <b>Project (Number/Name)</b><br>B32 / Adv Maint Concepts/Eq |
|--|--|---|

|   | FY 2013 |   |   |   | FY 2014 |   |   |   | FY 2015 |   |   |   | FY 2016 |   |   |   | FY 2017 |   |   |   | FY 2018 |   |   |   | FY 2019 |   |   |   |
|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
|   | 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 |
| Aviation Ground Power Unit (AGPU)                       |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Aviation Foot Locker                                    |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Aviation Light Utility Mobile Maintenance Cart (ALUMMC) |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Aviation Intermediate Maintenance Shop Set (AVIM SS)    |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Aviation Unit Maintenance Shop Set (AVUM SS)            |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Flexible Engine Diagnostic System (FEDS)                |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Unit Maintenance Aerial Recovery Kit (UMARK)            |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2015 Army **Date:** March 2014

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| <b>Appropriation/Budget Activity</b><br>2040 / 4 | <b>R-1 Program Element (Number/Name)</b><br>PE 0603801A / Aviation - Adv Dev | <b>Project (Number/Name)</b><br>B32 / Adv Maint Concepts/Eq |
|--|--|---|

Schedule Details

| Events  | Start   |      | End     |      |
|---|---------|------|---------|------|
|   | Quarter | Year | Quarter | Year |
| Aviation Ground Power Unit (AGPU)                       | 2       | 2013 | 4       | 2014 |
| Aviation Foot Locker                                    | 2       | 2014 | 2       | 2015 |
| Aviation Light Utility Mobile Maintenance Cart (ALUMMC) | 4       | 2013 | 1       | 2015 |
| Aviation Intermediate Maintenance Shop Set (AVIM SS)    | 3       | 2014 | 3       | 2015 |
| Aviation Unit Maintenance Shop Set (AVUM SS)            | 4       | 2014 | 4       | 2015 |
| Flexible Engine Diagnostic System (FEDS)                | 2       | 2007 | 1       | 2015 |
| Unit Maintenance Aerial Recovery Kit (UMARK)            | 1       | 2007 | 2       | 2015 |