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| Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Air Force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |         |         |              |                                                                                                  |               |             |               |         | Date: March 2014 |                  |            |
| Appropriation/Budget Activity<br>3600: Research, Development, Test & Evaluation, Air Force I BA 7:<br>Operational Systems Development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |         |         |              | R-1 Program Element (Number/Name)<br>PE 0207325F I Joint Air-to-Surface Standoff Missile (JASSM) |               |             |               |         |                  |                  |            |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1,125.419   | 7.095   | 6.373   | 15.897       | -                                                                                                | 15.897        | 14.699      | 4.915         | 4.413   | 4.497            | 41.100           | 1,224.408  |
| 674515: Joint Air-to-Surface Standoff Missile (JASSM)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 926.298     | 3.607   | 3.132   | 7.424        | -                                                                                                | 7.424         | 4.968       | -             | -       | -                | -                | 945.429    |
| 675356: JASSM Extended Range (JASSM-ER)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 199.121     | 3.488   | 3.241   | 8.473        | -                                                                                                | 8.473         | 9.731       | 4.915         | 4.413   | 4.497            | 41.100           | 278.979    |
| MDAP/MAIS Code: 555                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |         |         |              |                                                                                                  |               |             |               |         |                  |                  |            |
| # The FY 2015 OCO Request will be submitted at a later date.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |         |         |              |                                                                                                  |               |             |               |         |                  |                  |            |
| A. Mission Description and Budget Item Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |         |         |              |                                                                                                  |               |             |               |         |                  |                  |            |
| The Joint Air-to-Surface Standoff Missile (JASSM) program provides a long range, conventional air-to-surface, autonomous, precision-guided, low-observable, standoff cruise missile compatible with fighter and bomber aircraft able to attack a variety of fixed or relocatable targets. There are two variants of the JASSM missile; JASSM baseline and JASSM-Extended Range (JASSM-ER). The requirement for JASSM baseline is given in the JASSM Operational Requirements Document (ORD) dated 20 Jan 2004, and the JASSM-ER requirement is given in JASSM-ER Capability Development Document (CDD) dated 16 Apr 2010. Both JASSM missiles have improved reliability, separate milestone decision points and separate projects within a single program element. Aircraft integration of baseline JASSM is complete on the B-52H, F-16 (Block 50), B-1, B-2 and F-15E. Objective aircraft include the F-16 (Block 40) and F-35. Aircraft integration of JASSM-ER is complete on the B-1B. Objective aircraft are the B-52H, F16C/D (Block 50/52), B-2, F-16C/D (Blocks 25-42), F-15E and F-35. |             |         |         |              |                                                                                                  |               |             |               |         |                  |                  |            |
| This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |         |         |              |                                                                                                  |               |             |               |         |                  |                  |            |
| B. Program Change Summary (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |         |         | FY 2013      | FY 2014                                                                                          | FY 2015 Base  | FY 2015 OCO | FY 2015 Total |         |                  |                  |            |
| Previous President's Budget                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |         |         | 7.950        | 6.373                                                                                            | 17.579        | -           | 17.579        |         |                  |                  |            |
| Current President's Budget                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |         |         | 7.095        | 6.373                                                                                            | 15.897        | -           | 15.897        |         |                  |                  |            |
| Total Adjustments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |         |         | -0.855       | -                                                                                                | -1.682        | -           | -1.682        |         |                  |                  |            |
| • Congressional General Reductions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |         |         | -0.011       | -                                                                                                |               |             |               |         |                  |                  |            |
| • Congressional Directed Reductions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |         |         | -            | -                                                                                                |               |             |               |         |                  |                  |            |
| • Congressional Rescissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |         |         | -            | -                                                                                                |               |             |               |         |                  |                  |            |
| • Congressional Adds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |         |         | -            | -                                                                                                |               |             |               |         |                  |                  |            |
| • Congressional Directed Transfers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |         |         | -            | -                                                                                                |               |             |               |         |                  |                  |            |
| • Reprogrammings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |         |         | -            | -                                                                                                |               |             |               |         |                  |                  |            |
| • SBIR/STTR Transfer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |         |         | -0.191       | -                                                                                                |               |             |               |         |                  |                  |            |
| • Other Adjustments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |         |         | -0.653       | -                                                                                                | -1.682        | -           | -1.682        |         |                  |                  |            |

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Air Force                                                                                                                                                                                                                                |                                                                                                  | Date: March 2014 |
| Appropriation/Budget Activity<br>3600: Research, Development, Test & Evaluation, Air Force I BA 7:<br>Operational Systems Development                                                                                                                                                          | R-1 Program Element (Number/Name)<br>PE 0207325F I Joint Air-to-Surface Standoff Missile (JASSM) |                  |
| <p><b><u>Change Summary Explanation</u></b></p> <p>FY13: Decrease in Other Adjustments is due to the sequestration reduction.</p> <p>FY15: Rephased the funding by reducing the FY15 funds by \$1.7M with a payback in FY16 and FY17, due to delay in the fuze (ESAF) development program.</p> |                                                                                                  |                  |

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| Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |         |         |              |                                                                                                  |               |         |         |                                                                                 | Date: March 2014 |                  |            |
| Appropriation/Budget Activity<br>3600 / 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |         |         |              | R-1 Program Element (Number/Name)<br>PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM) |               |         |         | Project (Number/Name)<br>674515 / Joint Air-to-Surface Standoff Missile (JASSM) |                  |                  |            |
| 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 |
| 674515: Joint Air-to-Surface Standoff Missile (JASSM)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 926.298     | 3.607   | 3.132   | 7.424        | -                                                                                                | 7.424         | 4.968   | -       | -                                                                               | -                | -                | 945.429    |
| Quantity of RDT&E Articles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 81.000      | -       | -       | -            | -                                                                                                | -             | -       | -       | -                                                                               | -                |                  |            |
| # The FY 2015 OCO Request will be submitted at a later date.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |         |         |              |                                                                                                  |               |         |         |                                                                                 |                  |                  |            |
| A. Mission Description and Budget Item Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |         |         |              |                                                                                                  |               |         |         |                                                                                 |                  |                  |            |
| The Joint Air-to-Surface Standoff Missile (JASSM) program provides a long range, conventional air-to-surface, autonomous, precision-guided, low-observable, standoff cruise missile compatible with fighter and bomber aircraft able to attack a variety of fixed or relocatable targets. This project develops the baseline JASSM missile. The requirement for JASSM baseline is given in the JASSM Operational Requirements Document (ORD), dated 20 Jan 2004. Aircraft integration of the baseline JASSM is complete on the B-52H, F-16 (Block 50), B-1, B-2, and F-15E. Objective aircraft include the F-16 (Block 40)and F-35. The government is buying the JASSM system based on a contractor-developed, government-approved System Performance Specification (SPS), this SPS is on contract. The contractor assumes total system performance responsibility (TSPR) for Lots 1-6 as defined in the SPS; for Lot 7 and beyond, the government has approval authority of Class I configuration changes. This project also develops improvements to the JASSM and JASSM-ER fuze, including the development of the Electronic Safe and Arm Fuze (ESAF). The Common Telemetry Instrumentation Kit (C-TIK) is partially executed under this project as it is common to JASSM baseline and JASSM-ER. The program is evaluating Diminishing Manufacturing Sources Material Shortages (DMSMS) and several obsolescence issues. |             |         |         |              |                                                                                                  |               |         |         |                                                                                 |                  |                  |            |
| B. Accomplishments/Planned Programs (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |         |         |              |                                                                                                  |               |         |         | FY 2013                                                                         | FY 2014          | FY 2015          |            |
| Title: Electronic Safe and Arm Fuze (ESAF) - Common to JASSM baseline and JASSM-ER (cost shared by both projects)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |         |         |              |                                                                                                  |               |         |         | 1.316                                                                           | 2.686            | 5.729            |            |
| Description: ESAF will resolve obsolescence issues, increase reliability and replace the current fuze. ESAF will be implemented in both JASSM baseline and JASSM-ER missiles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |         |         |              |                                                                                                  |               |         |         |                                                                                 |                  |                  |            |
| FY 2013 Accomplishments:<br>ESAF development prototype contract. Initial design work, sled instrumentation kit (SLIK) development, and conduct comparative airgun testing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |         |         |              |                                                                                                  |               |         |         |                                                                                 |                  |                  |            |
| FY 2014 Plans:<br>ESAF development restart contract. Technical demonstration phase leading to critical design review work with the United States Navy (USN) to identify potential for common fuze requirement between JASSM and US Navy's Offensive Air-to-Surface Weapon (OASuW).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |         |         |              |                                                                                                  |               |         |         |                                                                                 |                  |                  |            |
| FY 2015 Plans:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |         |         |              |                                                                                                  |               |         |         |                                                                                 |                  |                  |            |

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| Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                  | Date: March 2014                                                                |         |         |
| Appropriation/Budget Activity<br>3600 / 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | R-1 Program Element (Number/Name)<br>PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM) | Project (Number/Name)<br>674515 / Joint Air-to-Surface Standoff Missile (JASSM) |         |         |
| B. Accomplishments/Planned Programs (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                  | FY 2013                                                                         | FY 2014 | FY 2015 |
| Award ESAF Engineering and Manufacturing Development (EMD) contract. Complete sled instrumentation kit (SLIK) development. Continue design work, pre-production material, qualification work.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                  |                                                                                 |         |         |
| <b>Title:</b> Common Telemetry Instrumentation Kit (C-TIK) - Common to JASSM baseline and JASSM-ER (cost shared by both projects)<br><br><b>Description:</b> C-TIK replaces current TIK used during flight testing and will be common to both JASSM and JASSM-ER. The C-TIK is partially executed under this project as it is common to JASSM baseline and JASSM-ER.<br><br><b>FY 2013 Accomplishments:</b><br>Completed Phase I effort of C-TIK development contract. Includes design work, battery prototype and destruct charge.<br><br><b>FY 2014 Plans:</b><br>C-TIK development contract. Includes design work, destruct charge development and battery qualification testing.<br><br><b>FY 2015 Plans:</b><br>C-TIK development contract. Includes design work, destruct charge development and battery qualification testing.                                                                                                                                                                                                                                             |                                                                                                  | 2.091                                                                           | 0.246   | 0.937   |
| <b>Title:</b> Diminishing Manufacturing Sources Material Shortages (DMSMS)<br><br><b>Description:</b> Development/evaluation (study analysis) related to Diminishing Manufacturing Sources Material Shortages (DMSMS), and obsolescence issues.<br><br><b>FY 2013 Accomplishments:</b><br>Development/evaluations that address JASSMs obsolescence plan directed activities and determine parts/components that will need replacement/upgrading (Inertial Measurement Unit, Missile control Unit, anti-jam/anti-spoofing system).<br><br><b>FY 2014 Plans:</b><br>Development/evaluations that address JASSMs obsolescence plan directed activities and determine parts/components that will need replacement/upgrading (Inertial Measurement Unit, Missile control Unit, anti-jam/anti-spoofing system).<br><br><b>FY 2015 Plans:</b><br>Development/evaluations that address JASSMs obsolescence plan directed activities and determine parts/components that will need replacement/upgrading (Inertial Measurement Unit, Missile control Unit, anti-jam/anti-spoofing system). |                                                                                                  | 0.100                                                                           | 0.100   | 0.100   |
| <b>Title:</b> Test Support<br><br><b>Description:</b> Government Test Support for ESAF and C-TIK. Includes flight test equipment, targets, Test Wing and Range support, and other ground/flight test support.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                  | 0.100                                                                           | 0.100   | 0.658   |

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| Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force                                                                                                                                                                                                                |         |         |                 |                                                                                                  |                  |         |         |                                                                                 |         | Date: March 2014    |            |         |
| Appropriation/Budget Activity<br>3600 / 7                                                                                                                                                                                                                                   |         |         |                 | R-1 Program Element (Number/Name)<br>PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM) |                  |         |         | Project (Number/Name)<br>674515 / Joint Air-to-Surface Standoff Missile (JASSM) |         |                     |            |         |
| B. Accomplishments/Planned Programs (\$ in Millions)                                                                                                                                                                                                                        |         |         |                 |                                                                                                  |                  |         |         |                                                                                 |         | FY 2013             | FY 2014    | FY 2015 |
| <b>FY 2013 Accomplishments:</b><br>ESAF (prototype) and C-TIK test support to include test equipment, targets, range support, and other ground test support.                                                                                                                |         |         |                 |                                                                                                  |                  |         |         |                                                                                 |         |                     |            |         |
| <b>FY 2014 Plans:</b><br>ESAF (prototype) and C-TIK development flight test support to include test equipment, targets, range support, and other ground test support.                                                                                                       |         |         |                 |                                                                                                  |                  |         |         |                                                                                 |         |                     |            |         |
| <b>FY 2015 Plans:</b><br>Continue ESAF Sled tests, cannon tests and other ESAF and C-TIK development flight test support to include test equipment, targets, range support, and other ground test support.                                                                  |         |         |                 |                                                                                                  |                  |         |         |                                                                                 |         |                     |            |         |
| Accomplishments/Planned Programs Subtotals                                                                                                                                                                                                                                  |         |         |                 |                                                                                                  |                  |         |         |                                                                                 |         | 3.607               | 3.132      | 7.424   |
| C. Other Program Funding Summary (\$ in Millions)                                                                                                                                                                                                                           |         |         |                 |                                                                                                  |                  |         |         |                                                                                 |         |                     |            |         |
| Line Item                                                                                                                                                                                                                                                                   | FY 2013 | FY 2014 | FY 2015<br>Base | FY 2015<br>OCO                                                                                   | FY 2015<br>Total | FY 2016 | FY 2017 | FY 2018                                                                         | FY 2019 | Cost To<br>Complete | Total Cost |         |
| • MPAF: BA02: Line Item # 654515: JASSM                                                                                                                                                                                                                                     | 166.400 | 144.532 | -               | -                                                                                                | -                | -       | -       | -                                                                               | -       | -                   | 1,606.415  |         |
| • MPAF: BA02 Line Item # JASSM0: JASSM                                                                                                                                                                                                                                      | -       | -       | 138.224         | -                                                                                                | 138.224          | 118.116 | -       | -                                                                               | -       | -                   | 256.340    |         |
| Remarks                                                                                                                                                                                                                                                                     |         |         |                 |                                                                                                  |                  |         |         |                                                                                 |         |                     |            |         |
| D. Acquisition Strategy                                                                                                                                                                                                                                                     |         |         |                 |                                                                                                  |                  |         |         |                                                                                 |         |                     |            |         |
| All major contracts within this project have been awarded through full and open competition. The EMD phase option for JASSM baseline was completed using Cost Plus Award Fee (CPAF). Currently, C-TIK is a Cost Plus Fixed Fee (CPFF) contract and ESAF is a CPFF contract. |         |         |                 |                                                                                                  |                  |         |         |                                                                                 |         |                     |            |         |
| E. Performance Metrics                                                                                                                                                                                                                                                      |         |         |                 |                                                                                                  |                  |         |         |                                                                                 |         |                     |            |         |
| Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.                          |         |         |                 |                                                                                                  |                  |         |         |                                                                                 |         |                     |            |         |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Air Force                                                           |                        |                                |             |         |            |                                                                                                  |            |              |            |                                                                                 |            | Date: March 2014 |                  |            |                          |
| Appropriation/Budget Activity<br>3600 / 7                                                                             |                        |                                |             |         |            | R-1 Program Element (Number/Name)<br>PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM) |            |              |            | Project (Number/Name)<br>674515 / Joint Air-to-Surface Standoff Missile (JASSM) |            |                  |                  |            |                          |
| Product Development (\$ in Millions)                                                                                  |                        |                                |             | FY 2013 |            | FY 2014                                                                                          |            | FY 2015 Base |            | FY 2015 OCO                                                                     |            | FY 2015 Total    |                  |            |                          |
| Cost Category Item                                                                                                    | Contract Method & Type | Performing Activity & Location | Prior Years | Cost    | Award Date | Cost                                                                                             | Award Date | Cost         | Award Date | Cost                                                                            | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| Development of a new fuze. Component Upgrades to Electronic Safe and Arm Fuze (ESAF) due to DMSMS.                    | SS/CPIF                | Lockheed Martin : Orlando, FL  | 714.516     | 1.316   | Dec 2012   | 2.686                                                                                            | Jun 2014   | 5.729        | Mar 2015   | -                                                                               |            | 5.729            | 2.820            | 727.067    | 727.067                  |
| Common Telemetry Instrumentation Kit (C-TIK)                                                                          | SS/FFP                 | Lockheed Martin : Orlando, FL  | 0.000       | 2.091   | Jan 2013   | 0.246                                                                                            | Mar 2014   | 0.937        | Dec 2014   | -                                                                               |            | 0.937            | 1.748            | 5.022      | 5.022                    |
| Development efforts related to Diminishing Manufacturing Sources Material Shortages (DMSMS), and obsolescence issues. | Various                | Lockheed Martin : Orlando, FL  | 0.000       | 0.100   | Jun 2013   | 0.100                                                                                            | Jul 2014   | 0.100        | Jan 2015   | -                                                                               |            | 0.100            | -                | 0.300      | 0.300                    |
| Subtotal                                                                                                              |                        |                                | 714.516     | 3.507   |            | 3.032                                                                                            |            | 6.766        |            | -                                                                               |            | 6.766            | 4.568            | 732.389    | 732.389                  |
| Support (\$ in Millions)                                                                                              |                        |                                |             | FY 2013 |            | FY 2014                                                                                          |            | FY 2015 Base |            | FY 2015 OCO                                                                     |            | FY 2015 Total    |                  |            |                          |
| Cost Category Item                                                                                                    | Contract Method & Type | Performing Activity & Location | Prior Years | Cost    | Award Date | Cost                                                                                             | Award Date | Cost         | Award Date | Cost                                                                            | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| Subtotal                                                                                                              |                        |                                | -           | -       |            | -                                                                                                |            | -            |            | -                                                                               |            | -                | -                | -          | -                        |
| Test and Evaluation (\$ in Millions)                                                                                  |                        |                                |             | FY 2013 |            | FY 2014                                                                                          |            | FY 2015 Base |            | FY 2015 OCO                                                                     |            | FY 2015 Total    |                  |            |                          |
| Cost Category Item                                                                                                    | Contract Method & Type | Performing Activity & Location | Prior Years | Cost    | Award Date | Cost                                                                                             | Award Date | Cost         | Award Date | Cost                                                                            | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| 96 TW test support, flight test                                                                                       | Various                | Test Wing : Eglin, FL          | 149.552     | 0.100   | Jan 2013   | 0.100                                                                                            | Jul 2014   | 0.658        | Feb 2015   | -                                                                               |            | 0.658            | 0.400            | 150.810    | 150.810                  |
| Subtotal                                                                                                              |                        |                                | 149.552     | 0.100   |            | 0.100                                                                                            |            | 0.658        |            | -                                                                               |            | 0.658            | 0.400            | 150.810    | 150.810                  |
|                                                                                                                       |                        |                                |             |         |            |                                                                                                  |            |              |            |                                                                                 |            |                  |                  |            |                          |

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|------------------------------------------------------------------------|--|--|--|--|--|---------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------|--|-------------------------|--|--|--|
| <b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2015 Air Force |  |  |  |  |  |                                                                                                         |  |  |  |                                                                                        |  | <b>Date:</b> March 2014 |  |  |  |
| <b>Appropriation/Budget Activity</b><br>3600 / 7                       |  |  |  |  |  | <b>R-1 Program Element (Number/Name)</b><br>PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM) |  |  |  | <b>Project (Number/Name)</b><br>674515 / Joint Air-to-Surface Standoff Missile (JASSM) |  |                         |  |  |  |

| Management Services (\$ in Millions)                                     |                        |                                |             | FY 2013 |            | FY 2014 |            | FY 2015 Base |            | FY 2015 OCO |            | FY 2015 Total |                  |            |                          |
|--------------------------------------------------------------------------|------------------------|--------------------------------|-------------|---------|------------|---------|------------|--------------|------------|-------------|------------|---------------|------------------|------------|--------------------------|
| Cost Category Item                                                       | Contract Method & Type | Performing Activity & Location | Prior Years | Cost    | Award Date | Cost    | Award Date | Cost         | Award Date | Cost        | Award Date | Cost          | Cost To Complete | Total Cost | Target Value of Contract |
| Program Management Administration (PMA). Program office/mission support. | C/Various              | PMA : Eglin AFB, FL            | 62.230      | -       |            | -       |            | -            |            | -           |            | -             | -                | 62.230     | 62.230                   |
| <b>Subtotal</b>                                                          |                        |                                | 62.230      | -       |            | -       |            | -            |            | -           |            | -             | -                | 62.230     | 62.230                   |

|                            | 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> | 926.298     | 3.607   | 3.132   | 7.424        | -           | 7.424         | 4.968            | 945.429    | 945.429                  |

**Remarks**

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Air Force

Date: March 2014

Appropriation/Budget Activity  
3600 / 7

R-1 Program Element (Number/Name)  
PE 0207325F / Joint Air-to-Surface Standoff  
Missile (JASSM)

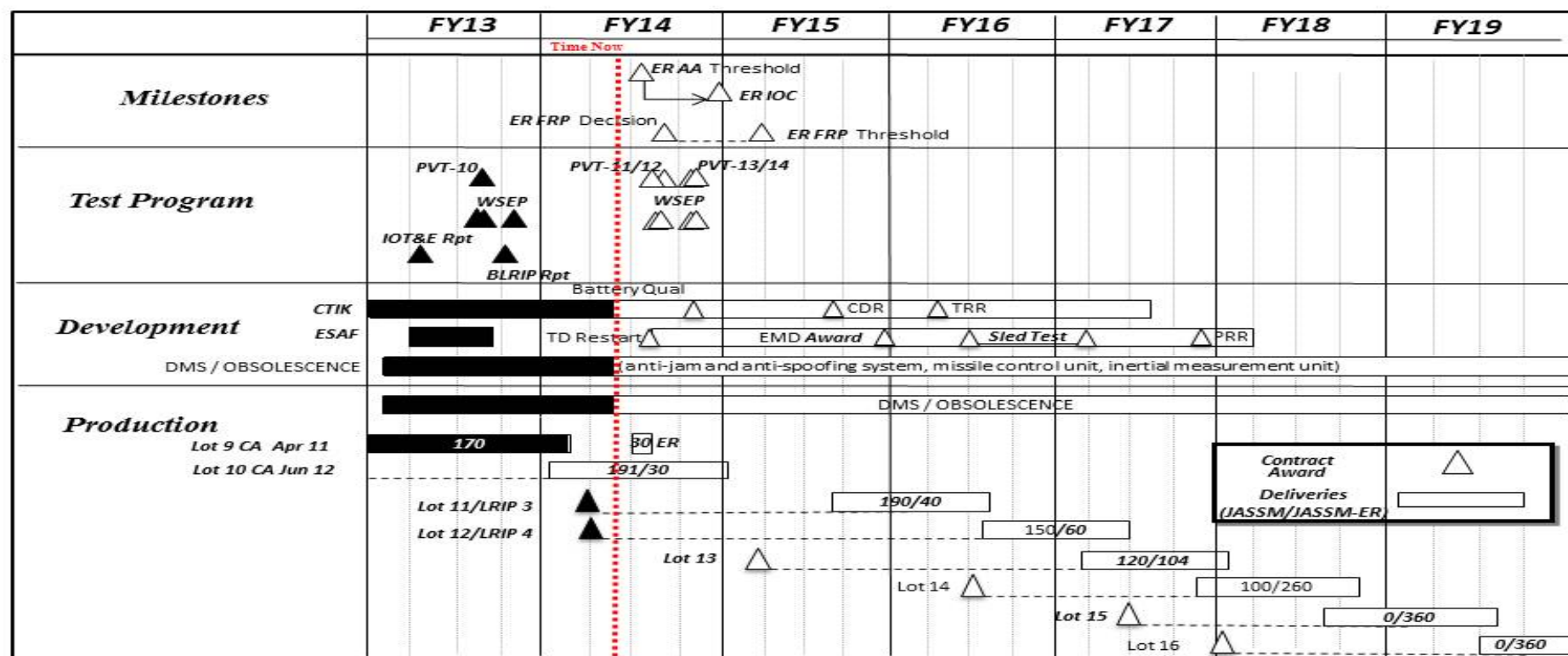
Project (Number/Name)  
674515 / Joint Air-to-Surface Standoff  
Missile (JASSM)



# JASSM/JASSM-ER Top Level Schedule



War-Winning Capability...On Time, On Cost



As of 25 Feb 14



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|                                                                    |                                                                                                         |                                                                                        |                         |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------|
| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2015 Air Force |                                                                                                         |                                                                                        | <b>Date:</b> March 2014 |
| <b>Appropriation/Budget Activity</b><br>3600 / 7                   | <b>R-1 Program Element (Number/Name)</b><br>PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM) | <b>Project (Number/Name)</b><br>674515 / Joint Air-to-Surface Standoff Missile (JASSM) |                         |

**Schedule Details**

| <b>Events</b>                                               | <b>Start</b>   |             | <b>End</b>     |             |
|-------------------------------------------------------------|----------------|-------------|----------------|-------------|
|                                                             | <b>Quarter</b> | <b>Year</b> | <b>Quarter</b> | <b>Year</b> |
| C-TIK Battery Development and Qualification                 | 1              | 2013        | 1              | 2015        |
| C-TIK Destruct Charge Development and Qualification         | 1              | 2013        | 4              | 2015        |
| C-TIK Integration with JASSM and Test Equipment Development | 2              | 2014        | 1              | 2017        |
| C-TIK Critical Design Review (CDR)                          | 3              | 2015        | 3              | 2015        |
| C-TIK Safety Certification                                  | 4              | 2016        | 4              | 2016        |
| C-TIK Flight Testing                                        | 1              | 2017        | 2              | 2017        |
| ESAF Prototyping                                            | 3              | 2014        | 1              | 2016        |
| ESAF Engineering and Manufacturing Development (EMD)        | 4              | 2015        | 1              | 2018        |
| ESAF Cannon Testing                                         | 2              | 2016        | 2              | 2016        |
| ESAF Critical Design Review (CDR)                           | 3              | 2016        | 3              | 2016        |
| ESAF Sled Testing                                           | 2              | 2016        | 1              | 2017        |
| ESAF Qualification Testing                                  | 4              | 2016        | 1              | 2017        |
| ESAF Flight Testing                                         | 3              | 2017        | 4              | 2017        |
| ESAF Production Readiness Review (PRR)                      | 4              | 2017        | 4              | 2017        |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|--------------|--------------------------------------------------------------------------------------------------|---------------|---------|---------|-------------------------------------------------------------------|------------------|------------------|------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |         |         |              |                                                                                                  |               |         |         |                                                                   | Date: March 2014 |                  |            |
| Appropriation/Budget Activity<br>3600 / 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |         |         |              | R-1 Program Element (Number/Name)<br>PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM) |               |         |         | Project (Number/Name)<br>675356 / JASSM Extended Range (JASSM-ER) |                  |                  |            |
| 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 |
| 675356: JASSM Extended Range (JASSM-ER)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 199.121     | 3.488   | 3.241   | 8.473        | -                                                                                                | 8.473         | 9.731   | 4.915   | 4.413                                                             | 4.497            | 41.100           | 278.979    |
| Quantity of RDT&E Articles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 31.000      | -       | -       | -            | -                                                                                                | -             | -       | -       | -                                                                 | -                |                  |            |
| # The FY 2015 OCO Request will be submitted at a later date.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |         |         |              |                                                                                                  |               |         |         |                                                                   |                  |                  |            |
| A. Mission Description and Budget Item Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |         |         |              |                                                                                                  |               |         |         |                                                                   |                  |                  |            |
| This project provides a long range (over twice the range of baseline JASSM), conventional air-to-surface, autonomous, precision-guided, low observable, standoff cruise missile compatible with fighter and bomber aircraft. The requirement for JASSM-ER is given in JASSM-ER Capability Development Document (CDD), dated 16 Apr 2010. This project develops the extended range version of the JASSM missile (JASSM-ER). The threshold integration platform for JASSM-ER is the B-1B. Objective aircraft are B-52H, F16C/D (Block 50/52), B-2, F-16C/D (Blocks 25-42), F-15E, and F-35. JASSM-ER provides the capability to attack a variety of high value fixed or relocatable targets with precision, through preplanned missions or target-of-opportunity, deeper into enemy territory than JASSM Baseline while minimizing the threat to launch aircraft. The Air Force is developing JASSM-ER based on a contractor-developed, government-approved System Performance Specification (SPS). The 16 JASSM-ER Operational Test flights were successfully completed in 2013 with a 100% success rate (16/16). Currently, this project develops a Common Telemetry Instrumentation Kit (C-TIK) which will be used during flight testing and will be common to both JASSM Baseline and JASSM-ER. The Electronic Safe and Arm Fuze (ESAF) is partially executed under this project since it's common to JASSM baseline and JASSM-ER. The JASSM program is evaluating Diminishing Sources Material Shortages (DMSMS) and several obsolescence issues. |             |         |         |              |                                                                                                  |               |         |         |                                                                   |                  |                  |            |
| B. Accomplishments/Planned Programs (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |         |         |              |                                                                                                  |               |         |         | FY 2013                                                           | FY 2014          | FY 2015          |            |
| Title: Common Telemetry Instrumentation Kit (C-TIK) - Common to JASSM baseline and JASSM-ER (cost shared by both projects)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |         |         |              |                                                                                                  |               |         |         | 2.728                                                             | 1.607            | 6.773            |            |
| Description: C-TIK replaces current TIK used during flight testing and will be common to both JASSM and JASSM-ER.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |         |         |              |                                                                                                  |               |         |         |                                                                   |                  |                  |            |
| FY 2013 Accomplishments:<br>Completed Phase I effort of C-TIK development contract. Includes design work, battery prototype and destruct charge; and PMA costs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |         |         |              |                                                                                                  |               |         |         |                                                                   |                  |                  |            |
| FY 2014 Plans:<br>C-TIK development contract. Design work: Continue destruct charge development and battery qualification testing; and PMA costs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |         |         |              |                                                                                                  |               |         |         |                                                                   |                  |                  |            |
| FY 2015 Plans:<br>C-TIK development contract. Design work: Continue destruct charge development and battery qualification testing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |         |         |              |                                                                                                  |               |         |         |                                                                   |                  |                  |            |
| Title: Electronic Safe and Armed Fuze (ESAF) - Common to JASSM baseline and JASSM-ER (cost shared by both projects)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |         |         |              |                                                                                                  |               |         |         | 0.463                                                             | 1.224            | 1.000            |            |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------|----------------|
| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2015 Air Force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                         | <b>Date:</b> March 2014 |                                                                          |                |
| <b>Appropriation/Budget Activity</b><br>3600 / 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | <b>R-1 Program Element (Number/Name)</b><br>PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM) |                         | <b>Project (Number/Name)</b><br>675356 / JASSM Extended Range (JASSM-ER) |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                         | <b>FY 2013</b>          | <b>FY 2014</b>                                                           | <b>FY 2015</b> |
| <p><b>Description:</b> ESAF will resolve obsolescence issues and replace the current fuze. ESAF will be implemented in both JASSM Baseline and JASSM-ER.</p> <p><b>FY 2013 Accomplishments:</b><br/>ESAF development prototype contract. Initial design work, sled instrumentation kit (SLIK) development, and conduct comparative airgun testing.</p> <p><b>FY 2014 Plans:</b><br/>ESAF development restart contract. Technical demonstration phase leading to critical design review work with the United States Navy (USN) to identify potential for common fuze requirement between JASSM and US Navy's Offensive Air-to-Surface Weapon (OASuW).</p> <p><b>FY 2015 Plans:</b><br/>ESAF development contract. Complete sled instrumentation kit (SLIK) development. Continue design work, pre-production material, qualification testing.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                         |                         |                                                                          |                |
| <p><b>Title:</b> Development and testing to support upgrades. Diminishing Manufacturing Sources Material Shortages (DMSMS)</p> <p><b>Description:</b> Development and testing to support upgrades. Supports DMSMS changes and hardware obsolescence; also provide support for any ground and flight test activity required to verify changed hardware before cutting into production.</p> <p><b>FY 2013 Accomplishments:</b><br/>Development and testing to support upgrades to support DMSMS changes and hardware obsolescence; also provide support for any ground and flight test activity required to verify changed hardware before cutting into production.</p> <p><b>FY 2014 Plans:</b><br/>Development and testing to support upgrades. Supports DMSMS changes and hardware obsolescence, Flight Termination System (FTS) battery replacement, and M-code mandate investigation; also provide support for any ground and flight test activity required to verify changed hardware before cutting into production.</p> <p><b>FY 2015 Plans:</b><br/>Development and testing to support upgrades. Supports DMSMS changes and hardware obsolescence, and M-code mandate investigation; also provide support for any ground and flight test activity required to verify changed hardware before cutting into production.</p> |  |                                                                                                         | 0.200                   | 0.350                                                                    | 0.500          |
| <b>Title:</b> Test Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                         | 0.097                   | 0.060                                                                    | 0.200          |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|-----------------|--------------------------------------------------------------------------------------------------|------------------|---------|---------|-------------------------------------------------------------------|---------|---------------------|------------|---------|
| Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         |                 |                                                                                                  |                  |         |         |                                                                   |         | Date: March 2014    |            |         |
| Appropriation/Budget Activity<br>3600 / 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |         |                 | R-1 Program Element (Number/Name)<br>PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM) |                  |         |         | Project (Number/Name)<br>675356 / JASSM Extended Range (JASSM-ER) |         |                     |            |         |
| B. Accomplishments/Planned Programs (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |         |                 |                                                                                                  |                  |         |         |                                                                   |         | FY 2013             | FY 2014    | FY 2015 |
| <b>Description:</b> Government Test Support for ESAF and C-TIK. Includes flight test equipment, targets, Test Wing and Range support, and other ground/flight test support.<br><br><b>FY 2013 Accomplishments:</b><br>CTIK, ESAF, and other flight test support to include test equipment, targets, range support, and other ground test support.<br><br><b>FY 2014 Plans:</b><br>Continue CTIK, ESAF, and other flight test support to include test equipment, targets, range support, and other ground test support.<br><br><b>FY 2015 Plans:</b><br>Continue CTIK, ESAF, and other development flight test support to include test equipment, targets, range support, and other ground test support. |         |         |                 |                                                                                                  |                  |         |         |                                                                   |         |                     |            |         |
| Accomplishments/Planned Programs Subtotals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |         |                 |                                                                                                  |                  |         |         |                                                                   |         | 3.488               | 3.241      | 8.473   |
| C. Other Program Funding Summary (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |         |                 |                                                                                                  |                  |         |         |                                                                   |         |                     |            |         |
| Line Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FY 2013 | FY 2014 | FY 2015<br>Base | FY 2015<br>OCO                                                                                   | FY 2015<br>Total | FY 2016 | FY 2017 | FY 2018                                                           | FY 2019 | Cost To<br>Complete | Total Cost |         |
| • MPAF: BA02 Line Item 654515: JASSM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 63.792  | 126.619 | -               | -                                                                                                | -                | -       | -       | -                                                                 | -       | -                   | 309.935    |         |
| • MPAF: BA02 Line Item # JASSM0: JASSM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -       | -       | 199.214         | -                                                                                                | 199.214          | 326.472 | 439.933 | 448.689                                                           | 456.977 | 1,899.807           | 3,771.092  |         |
| Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |         |                 |                                                                                                  |                  |         |         |                                                                   |         |                     |            |         |
| D. Acquisition Strategy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |         |                 |                                                                                                  |                  |         |         |                                                                   |         |                     |            |         |
| JASSM-ER is the extended range version of the JASSM baseline missile (currently in full rate production). The initial JASSM-ER development contract, awarded in 2004, was Cost-Plus-Award-Fee. In 2008, the program office awarded a Cost-Plus-Incentive-Fee (CPIF) contract with performance incentives to complete the development effort. Current contracts for ESAF is a Cost Plus Fixed Fee(CPFF) contract, and the C-TIK contract is a CPFF contract.                                                                                                                                                                                                                                             |         |         |                 |                                                                                                  |                  |         |         |                                                                   |         |                     |            |         |
| E. Performance Metrics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |         |                 |                                                                                                  |                  |         |         |                                                                   |         |                     |            |         |
| Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |         |                 |                                                                                                  |                  |         |         |                                                                   |         |                     |            |         |

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|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------|--------------------|----------------|-------------------|---------------------------------------------------------------------------------------------------------|-------------------|---------------------|-------------------|--------------------|-------------------|--------------------------------------------------------------------------|-------------------------|-------------------|---------------------------------|
| <b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2015 Air Force</b>                                                                           |                                   |                                           |                    |                |                   |                                                                                                         |                   |                     |                   |                    |                   | <b>Date: March 2014</b>                                                  |                         |                   |                                 |
| <b>Appropriation/Budget Activity</b><br>3600 / 7                                                                                                 |                                   |                                           |                    |                |                   | <b>R-1 Program Element (Number/Name)</b><br>PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM) |                   |                     |                   |                    |                   | <b>Project (Number/Name)</b><br>675356 / JASSM Extended Range (JASSM-ER) |                         |                   |                                 |
| <b>Product Development (\$ in Millions)</b>                                                                                                      |                                   |                                           |                    | <b>FY 2013</b> |                   | <b>FY 2014</b>                                                                                          |                   | <b>FY 2015 Base</b> |                   | <b>FY 2015 OCO</b> |                   | <b>FY 2015 Total</b>                                                     |                         |                   |                                 |
| <b>Cost Category Item</b>                                                                                                                        | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                                                                             | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                                                              | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| JASSM-ER Phase I/ II development, Test Missile Procurement (for DT/IT), parts upgrade, software updates, product improvements, and obsolescence. | Various                           | Lockheed Martin : Orlando, FL             | 130.427            | 0.200          | Jan 2013          | 0.350                                                                                                   | May 2014          | 0.500               | Jun 2015          | -                  |                   | 0.500                                                                    | 49.960                  | 181.437           | 181.437                         |
| C-TIK                                                                                                                                            | SS/CPIF                           | Lockheed Martin : Orlando, FL             | 2.064              | 2.670          | Mar 2013          | 1.527                                                                                                   | Mar 2014          | 6.693               | Jan 2015          | -                  |                   | 6.693                                                                    | 9.673                   | 22.627            | 22.627                          |
| ESAF                                                                                                                                             | SS/FFP                            | Lockheed Martin : Orlando, FL             | 2.285              | 0.463          | Dec 2012          | 1.224                                                                                                   | Jun 2014          | 1.000               | Dec 2014          | -                  |                   | 1.000                                                                    | 2.183                   | 7.155             | 7.155                           |
| <b>Subtotal</b>                                                                                                                                  |                                   |                                           | 134.776            | 3.333          |                   | 3.101                                                                                                   |                   | 8.193               |                   | -                  |                   | 8.193                                                                    | 61.816                  | 211.219           | 211.219                         |
| <b>Remarks</b><br>Common Test Instrumentation Kits (C-TIK)<br>Electronic Safe and Arm Fuze (ESAF)                                                |                                   |                                           |                    |                |                   |                                                                                                         |                   |                     |                   |                    |                   |                                                                          |                         |                   |                                 |
| <b>Support (\$ in Millions)</b>                                                                                                                  |                                   |                                           |                    | <b>FY 2013</b> |                   | <b>FY 2014</b>                                                                                          |                   | <b>FY 2015 Base</b> |                   | <b>FY 2015 OCO</b> |                   | <b>FY 2015 Total</b>                                                     |                         |                   |                                 |
| <b>Cost Category Item</b>                                                                                                                        | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                                                                             | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                                                              | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| <b>Subtotal</b>                                                                                                                                  |                                   |                                           | -                  | -              |                   | -                                                                                                       |                   | -                   |                   | -                  |                   | -                                                                        | -                       | -                 | -                               |
| <b>Test and Evaluation (\$ in Millions)</b>                                                                                                      |                                   |                                           |                    | <b>FY 2013</b> |                   | <b>FY 2014</b>                                                                                          |                   | <b>FY 2015 Base</b> |                   | <b>FY 2015 OCO</b> |                   | <b>FY 2015 Total</b>                                                     |                         |                   |                                 |
| <b>Cost Category Item</b>                                                                                                                        | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                                                                             | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                                                              | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Government Test Support. Includes flight test equipment, targets, 96th Test Wing and Range support, and other ground/                            | Various                           | 96 TW : Eglin AFB, FL                     | 20.164             | 0.097          | Jan 2013          | 0.060                                                                                                   | Mar 2014          | 0.200               | Feb 2015          | -                  |                   | 0.200                                                                    | 2.200                   | 22.721            | 22.721                          |

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|-------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------|-------------|---------|------------|--------------------------------------------------------------------------------------------------|------------|--------------|------------|-------------------------------------------------------------------|------------|------------------|------------------|------------|--------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Air Force                                                       |                        |                                |             |         |            |                                                                                                  |            |              |            |                                                                   |            | Date: March 2014 |                  |            |                          |
| Appropriation/Budget Activity<br>3600 / 7                                                                         |                        |                                |             |         |            | R-1 Program Element (Number/Name)<br>PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM) |            |              |            | Project (Number/Name)<br>675356 / JASSM Extended Range (JASSM-ER) |            |                  |                  |            |                          |
| Test and Evaluation (\$ in Millions)                                                                              |                        |                                |             | FY 2013 |            | FY 2014                                                                                          |            | FY 2015 Base |            | FY 2015 OCO                                                       |            | FY 2015 Total    |                  |            |                          |
| Cost Category Item                                                                                                | Contract Method & Type | Performing Activity & Location | Prior Years | Cost    | Award Date | Cost                                                                                             | Award Date | Cost         | Award Date | Cost                                                              | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| flight test support as necessary.                                                                                 |                        |                                |             |         |            |                                                                                                  |            |              |            |                                                                   |            |                  |                  |            |                          |
| 6 IT/6 OT assets                                                                                                  | SS/CPAF                | Lockheed Martin : Orlando, FL  | 12.651      | -       |            | -                                                                                                |            | -            |            | -                                                                 |            | -                | -                | 12.651     | 12.651                   |
| 12 Operational Test (OT) assets                                                                                   | SS/FFP                 | Lockheed Martin : Orlando, FL  | 30.392      | -       |            | -                                                                                                |            | -            |            | -                                                                 |            | -                | -                | 30.392     | 30.392                   |
| Subtotal                                                                                                          |                        |                                | 63.207      | 0.097   |            | 0.060                                                                                            |            | 0.200        |            | -                                                                 |            | 0.200            | 2.200            | 65.764     | 65.764                   |
| Management Services (\$ in Millions)                                                                              |                        |                                |             | FY 2013 |            | FY 2014                                                                                          |            | FY 2015 Base |            | FY 2015 OCO                                                       |            | FY 2015 Total    |                  |            |                          |
| Cost Category Item                                                                                                | Contract Method & Type | Performing Activity & Location | Prior Years | Cost    | Award Date | Cost                                                                                             | Award Date | Cost         | Award Date | Cost                                                              | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| Program Management Administration (PMA). Provides program office oversight of development and upgrade activities. | Various                | PMA : Eglin AFB, FL            | 1.138       | 0.058   | Oct 2012   | 0.080                                                                                            | Nov 2013   | 0.080        | Oct 2014   | -                                                                 |            | 0.080            | 0.640            | 1.996      | 1.996                    |
| Subtotal                                                                                                          |                        |                                | 1.138       | 0.058   |            | 0.080                                                                                            |            | 0.080        |            | -                                                                 |            | 0.080            | 0.640            | 1.996      | 1.996                    |
|                                                                                                                   |                        |                                | Prior Years | FY 2013 |            | FY 2014                                                                                          |            | FY 2015 Base |            | FY 2015 OCO                                                       |            | FY 2015 Total    | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals                                                                                               |                        |                                | 199.121     | 3.488   |            | 3.241                                                                                            |            | 8.473        |            | -                                                                 |            | 8.473            | 64.656           | 278.979    | 278.979                  |
| Remarks                                                                                                           |                        |                                |             |         |            |                                                                                                  |            |              |            |                                                                   |            |                  |                  |            |                          |

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Air Force

Date: March 2014

Appropriation/Budget Activity  
3600 / 7

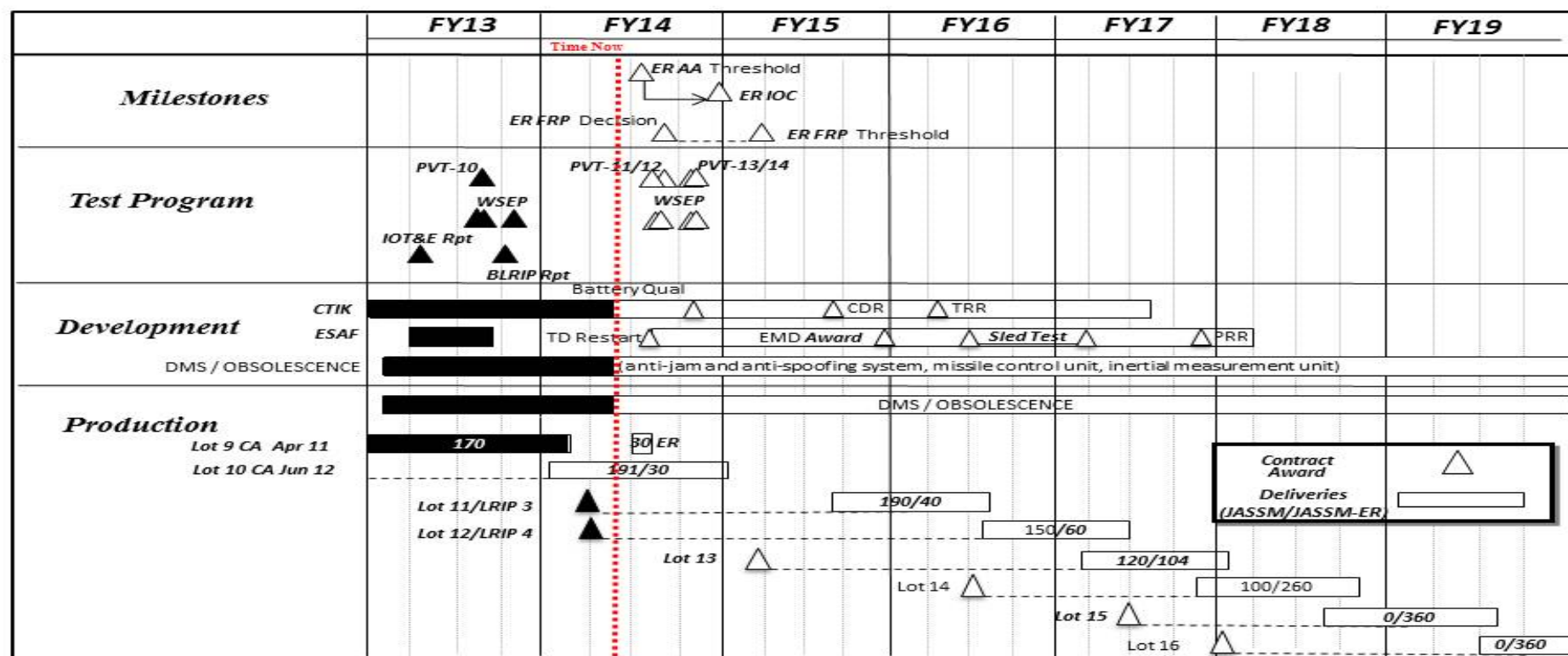
R-1 Program Element (Number/Name)  
PE 0207325F / Joint Air-to-Surface Standoff  
Missile (JASSM)

Project (Number/Name)  
675356 / JASSM Extended Range (JASSM-  
ER)



# JASSM/JASSM-ER Top Level Schedule

War-Winning Capability...On Time, On Cost



As of 25 Feb 14

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|                                                                    |                                                                                                                |                                                                                 |                         |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------|
| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2015 Air Force |                                                                                                                |                                                                                 | <b>Date:</b> March 2014 |
| <b>Appropriation/Budget Activity</b><br>3600 / 7                   | <b>R-1 Program Element (Number/Name)</b><br>PE 0207325F / <i>Joint Air-to-Surface Standoff Missile (JASSM)</i> | <b>Project (Number/Name)</b><br>675356 / <i>JASSM Extended Range (JASSM-ER)</i> |                         |

**Schedule Details**

| <b>Events</b>                                                           | <b>Start</b>   |             | <b>End</b>     |             |
|-------------------------------------------------------------------------|----------------|-------------|----------------|-------------|
|                                                                         | <b>Quarter</b> | <b>Year</b> | <b>Quarter</b> | <b>Year</b> |
| C-TIK Battery Development and Qualification                             | 1              | 2013        | 3              | 2015        |
| C-TIK Destruct Charge Development and Qualification                     | 1              | 2013        | 2              | 2015        |
| C-TIK Integration with JASSM and Test Equipment Development             | 3              | 2014        | 1              | 2017        |
| C-TIK Critical Design Review (CDR)                                      | 3              | 2015        | 3              | 2015        |
| C-TIK Safety Certification                                              | 4              | 2016        | 4              | 2016        |
| C-TIK Flight Testing                                                    | 1              | 2017        | 2              | 2017        |
| ESAF Prototyping                                                        | 3              | 2014        | 4              | 2016        |
| ESAF Engineering and Manufacturing Development (EMD)                    | 4              | 2015        | 1              | 2018        |
| ESAF Cannon Testing                                                     | 2              | 2016        | 2              | 2016        |
| ESAF Critical Design Review (CDR)                                       | 3              | 2016        | 3              | 2016        |
| ESAF Sled Testing                                                       | 2              | 2016        | 1              | 2017        |
| ESAF Qualification Testing                                              | 4              | 2016        | 1              | 2017        |
| ESAF Flight Testing                                                     | 3              | 2017        | 4              | 2017        |
| ESAF Production Readiness Review (PRR)                                  | 4              | 2017        | 1              | 2018        |
| Diminishing Manufacture Sources and Obsolescence Evaluation/Development | 1              | 2013        | 4              | 2019        |