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| Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |         |         |              |                                                                                        |               |         |         |         | Date: March 2014 |                  |            |
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| Appropriation/Budget Activity<br>1319: Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |         |         |              | R-1 Program Element (Number/Name)<br>PE 0604800M I (U)Joint Strike Fighter (JSF) - EMD |               |         |         |         |                  |                  |            |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 42,069.810  | 639.059 | 415.727 | 513.021      | -                                                                                      | 513.021       | 596.845 | 514.253 | 242.263 | 179.815          | Continuing       | Continuing |
| 2262: Joint Strike Fighter EMD STOVL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 42,069.810  | 639.059 | 399.323 | 487.068      | -                                                                                      | 487.068       | 525.008 | 393.609 | 84.467  | 10.892           | Continuing       | Continuing |
| 3350: F-35B Sustainment/ Capability Enhancements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.000       | -       | 14.904  | 11.980       | -                                                                                      | 11.980        | 11.952  | -       | -       | -                | -                | 38.836     |
| 3351: F-35B Follow-on Development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.000       | -       | -       | 13.973       | -                                                                                      | 13.973        | 59.885  | 120.644 | 157.796 | 168.923          | Continuing       | Continuing |
| 9999: Congressional Adds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.000       | -       | 1.500   | -            | -                                                                                      | -             | -       | -       | -       | -                | -                | 1.500      |
| MDAP/MAIS Code: 198                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |         |         |              |                                                                                        |               |         |         |         |                  |                  |            |
| # The FY 2015 OCO Request will be submitted at a later date.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |         |         |              |                                                                                        |               |         |         |         |                  |                  |            |
| A. Mission Description and Budget Item Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |         |         |              |                                                                                        |               |         |         |         |                  |                  |            |
| The F-35 Lightning II Fighter program is developing a family of highly common, affordable, next generation, multi-role aircraft to meet the needs of the USMC, USN, USAF and international partners. The three variants are the F-35A Conventional Takeoff and Landing (CTOL); F-35B Short Takeoff and Vertical Landing (STOVL); and the F-35C Carrier Variant (CV). Maximum commonality among the variants, consistent with National Disclosure Policy, will minimize life cycle costs. FY2015 continues development and testing of the F-35. As the initial capabilities are being delivered from the System Development and Demonstration (SDD) program, planning for Follow-on Development (FoD) continues. Capability requirements are being matured and FoD planning continues based upon the approved Fifth Generation Fighter Modernization Initial Capabilities Document (ICD), an approved Electronic Warfare ICD, and the results of an OSD Tiger Team Review. FY14 F-35 FoD activity supports development of Follow-on Development Increment 1 Capability Development Document (CDD). Follow-on Development will provide capability enhancements, required systems upgrades and cost improvements through an incremental acquisition approach. |             |         |         |              |                                                                                        |               |         |         |         |                  |                  |            |
| Additionally, the F-35 JSF Operational Requirements Document (ORD) calls for the F-35A (CTOL) Variant Air Vehicle to have the capabilities and provisions for Dual Capable Aircraft (DCA) operations in the first post SDD block upgrade. DCA refers to the capability to carry and deliver conventional and non-conventional weapons. DCA operation for the F-35A is internal carriage of two B-61s. Due to extensive certification requirements, the DCA capability planning and design will begin in Block 4A and continue through testing and to extensive certification requirements, the DCA capability planning and design will begin in Block 4A and continue through testing and certification in Block 4B.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |         |         |              |                                                                                        |               |         |         |         |                  |                  |            |
| The United Kingdom, other International Partner nations, and Foreign Military Sales customers are also participants in the JSF program. The program shown here reflects USN, USMC, USAF, and International Partner funding.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |         |         |              |                                                                                        |               |         |         |         |                  |                  |            |
| Funding at the accomplishment/planned program level is reported as the total of all services and partners as these activities support all aircraft variants.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |         |         |              |                                                                                        |               |         |         |         |                  |                  |            |

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy                                                                                                                                                                                                                                                                                                  |  |                                                                                        | Date: March 2014 |              |             |               |
| Appropriation/Budget Activity<br>1319: Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)                                                                                                                                                                                                                      |  | R-1 Program Element (Number/Name)<br>PE 0604800M I (U)Joint Strike Fighter (JSF) - EMD |                  |              |             |               |
| The SDD budget funds a total quantity of 20 RDT&E test articles to include 6 ground test articles and 14 flight test articles for USN and USAF use.                                                                                                                                                                                                         |  |                                                                                        |                  |              |             |               |
| FY07: 1 CTOL flight test article<br>FY08: 1 STOVL flight test article; 1 STOVL ground test article<br>FY09: 1 STOVL flight test article; 2 CTOL ground test articles<br>FY10: 6 flight test articles: 3 CTOL, 2 STOVL, 1 CV; 3 ground test articles: 1 STOVL, 2 CV<br>FY11: 4 flight test articles: 1 CTOL, 1 STOVL, 2 CV<br>FY13: 1 CV flight test article |  |                                                                                        |                  |              |             |               |
| JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under SDD because it includes those projects that have passed Milestone B approval and are conducting engineering and manufacturing development tasks aimed at meeting validated requirement prior to full-rate production decision.                                                              |  |                                                                                        |                  |              |             |               |
| B. Program Change Summary (\$ in Millions)                                                                                                                                                                                                                                                                                                                  |  | FY 2013                                                                                | FY 2014          | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| Previous President's Budget                                                                                                                                                                                                                                                                                                                                 |  | 737.149                                                                                | 512.631          | 592.304      | -           | 592.304       |
| Current President's Budget                                                                                                                                                                                                                                                                                                                                  |  | 639.059                                                                                | 415.727          | 513.021      | -           | 513.021       |
| Total Adjustments                                                                                                                                                                                                                                                                                                                                           |  | -98.090                                                                                | -96.904          | -79.283      | -           | -79.283       |
| • Congressional General Reductions                                                                                                                                                                                                                                                                                                                          |  | -                                                                                      | -                |              |             |               |
| • Congressional Directed Reductions                                                                                                                                                                                                                                                                                                                         |  | -                                                                                      | -98.404          |              |             |               |
| • Congressional Rescissions                                                                                                                                                                                                                                                                                                                                 |  | -                                                                                      | -                |              |             |               |
| • Congressional Adds                                                                                                                                                                                                                                                                                                                                        |  | -                                                                                      | 1.500            |              |             |               |
| • Congressional Directed Transfers                                                                                                                                                                                                                                                                                                                          |  | -                                                                                      | -                |              |             |               |
| • Reprogrammings                                                                                                                                                                                                                                                                                                                                            |  | -                                                                                      | -                |              |             |               |
| • SBIR/STTR Transfer                                                                                                                                                                                                                                                                                                                                        |  | -15.263                                                                                | -                |              |             |               |
| • Rate/Misc Adjustments                                                                                                                                                                                                                                                                                                                                     |  | 0.001                                                                                  | -                | -79.283      | -           | -79.283       |
| • Congressional General Reductions Adjustments                                                                                                                                                                                                                                                                                                              |  | -64.628                                                                                | -                | -            | -           | -             |
| • Congressional Directed Reductions Adjustments                                                                                                                                                                                                                                                                                                             |  | -18.200                                                                                | -                | -            | -           | -             |
| Congressional Add Details (\$ in Millions, and Includes General Reductions)                                                                                                                                                                                                                                                                                 |  |                                                                                        |                  |              |             |               |
| Project: 9999: Congressional Adds                                                                                                                                                                                                                                                                                                                           |  |                                                                                        |                  |              |             |               |
| Congressional Add: JSF Block 4 - USMC Cong                                                                                                                                                                                                                                                                                                                  |  |                                                                                        |                  |              |             |               |
| Congressional Add Subtotals for Project: 9999                                                                                                                                                                                                                                                                                                               |  |                                                                                        |                  |              |             |               |
|                                                                                                                                                                                                                                                                                                                                                             |  | FY 2013                                                                                | FY 2014          |              |             |               |
|                                                                                                                                                                                                                                                                                                                                                             |  | -                                                                                      | 1.500            |              |             |               |
|                                                                                                                                                                                                                                                                                                                                                             |  | -                                                                                      | 1.500            |              |             |               |

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| <b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2015 Navy                                                                                        |  | <b>Date:</b> March 2014                                                                               |                |
| <b>Appropriation/Budget Activity</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy I BA 5: System Development &amp; Demonstration (SDD)</i> |  | <b>R-1 Program Element (Number/Name)</b><br>PE 0604800M I (U) <i>Joint Strike Fighter (JSF) - EMD</i> |                |
| <b>Congressional Add Details (\$ in Millions, and Includes General Reductions)</b>                                                                           |  | <b>FY 2013</b>                                                                                        | <b>FY 2014</b> |
| Congressional Add Totals for all Projects                                                                                                                    |  | -                                                                                                     | 1.500          |
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| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |         |         |              |                                                                                           |               |         |         |                                                                | Date: March 2014 |                  |            |
| Appropriation/Budget Activity<br>1319 / 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |         |         |              | R-1 Program Element (Number/Name)<br>PE 0604800M I (U)Joint Strike Fighter (JSF)<br>- EMD |               |         |         | Project (Number/Name)<br>2262 I Joint Strike Fighter EMD STOVL |                  |                  |            |
| 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 |
| 2262: Joint Strike Fighter EMD STOVL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 42,069.810  | 639.059 | 399.323 | 487.068      | -                                                                                         | 487.068       | 525.008 | 393.609 | 84.467                                                         | 10.892           | Continuing       | Continuing |
| Quantity of RDT&E Articles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.000       | -       | -       | -            | -                                                                                         | -             | -       | -       | -                                                              | -                |                  |            |
| # The FY 2015 OCO Request will be submitted at a later date.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |         |         |              |                                                                                           |               |         |         |                                                                |                  |                  |            |
| Note<br>Total cost including United States Navy (USN), United States Marine Corps (USMC), International partner contributions and United States Air Force (USAF) funding are: FY13 \$2,528.415M, FY14 \$1,453.860M, and FY15 \$1,514.181M R-2 data reflects variant unique funding only.<br><br>R2A table shown above reflects service funding only.<br><br>R-2A(section B)/R-3 displays total combined Program (i.e. not Service specific), including International partners.<br><br>JSF EMD Includes:<br>USAF PE 0604800F BPAC 653831<br>USN PE 0604800N Project Unit 2261<br>USMC PE 0604800M Project Unit 2262<br><br>D&S Includes:<br>USAF PE 0604800F BPAC 653832<br>USN PE 0604800N Project Unit 3352<br>USMC PE 0604800M Project Unit 3350<br><br>JSF Follow on Development Includes:<br>USAF PE 0207142F BPAC 675346<br>USN PE 0604800N Project Unit 3353<br>USMC PE 0604800M Project Unit 3351<br><br>JSF Dual Capability Aircraft Includes:<br>USAF PE 0207142F BPAC 676011 |             |         |         |              |                                                                                           |               |         |         |                                                                |                  |                  |            |

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| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                           | Date: March 2014                                               |                |                |
| Appropriation/Budget Activity<br>1319 / 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R-1 Program Element (Number/Name)<br>PE 0604800M I (U)Joint Strike Fighter (JSF)<br>- EMD | Project (Number/Name)<br>2262 I Joint Strike Fighter EMD STOVL |                |                |
| <b>A. Mission Description and Budget Item Justification</b><br>The F-35 Joint Strike Fighter (JSF) Program will develop and field an affordable, highly common family of next generation strike aircraft for the USN, USAF, USMC and allies. The three variants are the F-35A Conventional Takeoff and Landing (CTOL); F-35B Short Takeoff and Vertical Landing (STOVL); and the F-35C Aircraft Carrier suitable Variant (CV). The CTOL will be a stealthy multi-role aircraft, primary air-to-ground for the Air Force to replace the F-16 and A-10 and complement the F-22. The STOVL variant will be a multi-role strike fighter aircraft to replace the AV-8B and F/A-18A/C/D for the Marine Corps, replace the Sea Harrier and GR 7 for the United Kingdom, and replace the AV-8 currently employed by the Italian Navy. The Carrier Variant (CV) will provide the Department of the Navy a multi-role, stealthy strike fighter aircraft to complement the F/A-18E/F.<br><br>The United Kingdom, other International Partner nations, and Foreign Military Sales customers are also participants in the Joint Strike Fighter program. The program shown here reflects United States Navy (USN), United States Marine Corps, United States Air Force (USAF), and International Partner funding.<br><br>The top-line Program Element reflects the unique variant for each Service. Funding at the accomplishment/planned program level is reported as the total of all services and partners as these activities support all aircraft variants.<br><br>The SDD budget funds a total quantity of 20 RDT&E test articles to include 6 ground test articles and 14 flight test articles for USN and USAF use.<br><br>FY07: 1 CTOL flight test article<br>FY08: 1 STOVL flight test article; 1 STOVL ground test article<br>FY09: 1 STOVL flight test article; 2 CTOL ground test articles<br>FY10: 6 flight test articles: 3 CTOL, 2 STOVL, 1 CV; 3 ground test articles: 1 STOVL, 2 CV<br>FY11: 4 flight test articles: 1 CTOL, 1 STOVL, 2 CV<br>FY13: 1 CV flight test article |                                                                                           |                                                                |                |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                           | <b>FY 2013</b>                                                 | <b>FY 2014</b> | <b>FY 2015</b> |
| <b>Title:</b> System Development and Demonstration (SDD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                           | 1,667.182                                                      | 458.938        | 667.565        |
| <b>Articles:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                           | -                                                              | -              | -              |
| <b>Description:</b> SDD execution of the Air System (Lockheed Martin) including International Commonality Effort; includes airframe, vehicle and mission systems, autonomic logistics, systems engineering & test efforts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                           |                                                                |                |                |
| <b>FY 2013 Accomplishments:</b><br>Continue SDD execution of Air System (Lockheed Martin), including International Commonality Effort. Efforts include airframe, vehicle systems, mission systems, autonomic logistics, systems engineering, and integrated test efforts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                           |                                                                |                |                |
| <b>FY 2014 Plans:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                           |                                                                |                |                |

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| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                           | Date: March 2014                                               |              |              |
| Appropriation/Budget Activity<br>1319 / 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | R-1 Program Element (Number/Name)<br>PE 0604800M I (U)Joint Strike Fighter (JSF)<br>- EMD | Project (Number/Name)<br>2262 I Joint Strike Fighter EMD STOVL |              |              |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                           | FY 2013                                                        | FY 2014      | FY 2015      |
| Continue SDD execution of Air System (Lockheed Martin), including International Commonality Effort. Efforts include airframe, vehicle systems, mission systems, autonomic logistics, systems engineering, and integrated test efforts. Activity aligned to IMS with planned completion of SDD in 2018.<br><b>FY 2015 Plans:</b><br>Continue SDD execution of Air System (Lockheed Martin), including International Commonality Effort. Efforts include airframe, vehicle systems, mission systems, autonomic logistics, systems engineering, and integrated test efforts. Activity aligned to IMS with planned completion of SDD in 2018.                                                                                                                                                                                                                                                                                                                             |                                                                                           |                                                                |              |              |
| <b>Title:</b> F135 Propulsion System<br><br><b>Articles:</b><br><br><b>Description:</b> SDD execution of the F135 Propulsion System (Pratt & Whitney) including International Commonality Effort; includes testing, autonomic logistics, integration & performing technology maturation efforts.<br><br><b>FY 2013 Accomplishments:</b><br>Continue SDD execution of F135 Propulsion System (Pratt & Whitney), including engine testing, autonomic logistics, integration and performing technology maturation efforts.<br><br><b>FY 2014 Plans:</b><br>Continue SDD execution of the F135 Propulsion System with Pratt & Whitney that includes engine testing, autonomic logistics, integration and performing technology maturation efforts.<br><br><b>FY 2015 Plans:</b><br>Continue SDD execution of the F135 Propulsion System with Pratt & Whitney that includes engine testing, autonomic logistics, integration and performing technology maturation efforts. |                                                                                           | 340.219<br>-                                                   | 359.749<br>- | 229.175<br>- |
| <b>Title:</b> Systems Engineering (SE)<br><br><b>Articles:</b><br><br><b>Description:</b> SDD SE including systems operations requirements analysis, program integration, requirements integration, and interoperability support.<br><br><b>FY 2013 Accomplishments:</b><br>Continued SDD Systems Engineering that includes systems operations requirements analysis, program integration, requirements integration, and interoperability support.<br><br><b>FY 2014 Plans:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                           | 50.495<br>-                                                    | 36.395<br>-  | 29.901<br>-  |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2015 Navy                                                                                                                                                                                                                                                                                                                    |  |                                                                                                  | <b>Date:</b> March 2014 |                                                                       |                |
| <b>Appropriation/Budget Activity</b><br>1319 / 5                                                                                                                                                                                                                                                                                                                                      |  | <b>R-1 Program Element (Number/Name)</b><br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |                         | <b>Project (Number/Name)</b><br>2262 / Joint Strike Fighter EMD STOVL |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>                                                                                                                                                                                                                                                                                               |  |                                                                                                  | <b>FY 2013</b>          | <b>FY 2014</b>                                                        | <b>FY 2015</b> |
| Continued SDD Systems Engineering that includes systems operations requirements analysis, program integration, requirements integration, and interoperability support.                                                                                                                                                                                                                |  |                                                                                                  |                         |                                                                       |                |
| <b>FY 2015 Plans:</b><br>Continue SDD SE, including systems operations requirements analysis, program integration, requirements integration, and interoperability support.                                                                                                                                                                                                            |  |                                                                                                  |                         |                                                                       |                |
| <b>Title:</b> Development Test and Evaluation (DT&E)                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                  | 360.658                 | 464.985                                                               | 477.990        |
| <b>Articles:</b>                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                  | -                       | -                                                                     | -              |
| <b>Description:</b> Government DT&E/Operational Testing (OT) in support of first flight of test aircraft. Elements of DT&E include preparation for flight testing and weapons integration testing.                                                                                                                                                                                    |  |                                                                                                  |                         |                                                                       |                |
| <b>FY 2013 Accomplishments:</b><br>Continue government DT&E/OT in support of test aircraft. Continue flight sciences testing of CTOL, STOVL, and CV variants to expand air vehicle envelope and support mission systems testing (include initial Block 2B). Elements of DT&E include preparation for flight testing, weapons integration testing, and component capabilities testing. |  |                                                                                                  |                         |                                                                       |                |
| <b>FY 2014 Plans:</b><br>Continue government DT&E/OT in support of test aircraft. Continue flight sciences testing of CTOL, STOVL, and CV variants to expand air vehicle envelope and support mission systems testing (include initial Block 2B). Elements of DT&E include preparation for flight testing, weapons integration testing, and component capabilities testing.           |  |                                                                                                  |                         |                                                                       |                |
| <b>FY 2015 Plans:</b><br>Continue government DT&E/OT in support of test aircraft. Continue flight sciences testing of CTOL, STOVL, and CV variants to expand air vehicle envelope and support mission systems testing. Elements of DT&E include flight testing, weapons integration testing, and component capabilities testing.                                                      |  |                                                                                                  |                         |                                                                       |                |
| <b>Title:</b> Development Support                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                  | 109.861                 | 133.793                                                               | 109.550        |
| <b>Articles:</b>                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                  | -                       | -                                                                     | -              |
| <b>Description:</b> SDD Support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities.                                                                                                                                                                                                     |  |                                                                                                  |                         |                                                                       |                |
| <b>FY 2013 Accomplishments:</b><br>Continue SDD support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities.                                                                                                                                                                             |  |                                                                                                  |                         |                                                                       |                |
| <b>FY 2014 Plans:</b>                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                  |                         |                                                                       |                |

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| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy                                                                                                                                                                                                                           |           |           |                 |                                                                                           |                  |           |           |                                                                | Date: March 2014 |                     |             |
| Appropriation/Budget Activity<br>1319 / 5                                                                                                                                                                                                                                         |           |           |                 | R-1 Program Element (Number/Name)<br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |                  |           |           | Project (Number/Name)<br>2262 / Joint Strike Fighter EMD STOVL |                  |                     |             |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                  |           |           |                 |                                                                                           |                  |           |           |                                                                | FY 2013          | FY 2014             | FY 2015     |
| Continue SDD support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities. Development Support decrease is due to across the board reduction between both services.                   |           |           |                 |                                                                                           |                  |           |           |                                                                |                  |                     |             |
| FY 2015 Plans:<br>Continue SDD support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities. Development Support decrease is due to across the board reduction between both services. |           |           |                 |                                                                                           |                  |           |           |                                                                |                  |                     |             |
| Accomplishments/Planned Programs Subtotals                                                                                                                                                                                                                                        |           |           |                 |                                                                                           |                  |           |           |                                                                | 2,528.415        | 1,453.860           | 1,514.181   |
| RDTE&E, AF 0604800F                                                                                                                                                                                                                                                               |           |           |                 |                                                                                           |                  |           |           |                                                                | 1,115.712        | 612.254             | 535.420     |
| International Partner (SDD)                                                                                                                                                                                                                                                       |           |           |                 |                                                                                           |                  |           |           |                                                                | 148.772          | 18.030              | 6.430       |
| RDT&E,N (Navy) 0604800N/2261                                                                                                                                                                                                                                                      |           |           |                 |                                                                                           |                  |           |           |                                                                | 624.872          | 424.253             | 485.263     |
| Navy Subtotals                                                                                                                                                                                                                                                                    |           |           |                 |                                                                                           |                  |           |           |                                                                | 639.059          | 399.323             | 487.068     |
| 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  |
| • RDT&E/0604800F:<br>Joint Strike Fighter                                                                                                                                                                                                                                         | 1,115.712 | 612.254   | 535.420         | -                                                                                         | 535.420          | 522.575   | 327.100   | 115.413                                                        | 5.250            | -                   | 22,021.781  |
| • International:<br>International Partner (SDD)                                                                                                                                                                                                                                   | 148.772   | 18.030    | 6.430           | -                                                                                         | 6.430            | 2.600     | 8.080     | 3.040                                                          | -                | -                   | 4,949.575   |
| • APAF/0207142F: F-35<br>Joint Strike Strike Fighter                                                                                                                                                                                                                              | 2,532.184 | 2,889.602 | 3,553.046       | -                                                                                         | 3,553.046        | 5,138.558 | 5,262.325 | 5,943.415                                                      | 5,770.781        | 148,305.400         | 192,028.494 |
| • RDT&E/0604800N/2261: JT<br>Strike Fighter (JSF) - EMD                                                                                                                                                                                                                           | 624.872   | 424.253   | 485.263         | -                                                                                         | 485.263          | 537.152   | 402.492   | 18.485                                                         | 1.083            | -                   | 19,974.402  |
| • APN/0605B: F-35 Joint<br>Strike Fighter STOVL Spares                                                                                                                                                                                                                            | 91.752    | 41.707    | 85.194          | -                                                                                         | 85.194           | 111.105   | 65.194    | 153.914                                                        | 69.699           | Continuing          | Continuing  |
| • APN/0147C: F-35 Joint<br>Strike Fighter CV AP                                                                                                                                                                                                                                   | 30.699    | 79.016    | 29.400          | -                                                                                         | 29.400           | 73.800    | 123.000   | 196.768                                                        | 246.000          | 3,605.667           | 5,648.780   |
| • APN/0605C: F-35 Joint<br>Strike Fighter CV Spares                                                                                                                                                                                                                               | 26.089    | 42.060    | 28.200          | -                                                                                         | 28.200           | 28.200    | 136.134   | 101.997                                                        | 201.771          | Continuing          | Continuing  |
| • MC/0207142F: USAF MILCON                                                                                                                                                                                                                                                        | 13.513    | 23.500    | 39.900          | -                                                                                         | 39.900           | 14.900    | 3.250     | 61.000                                                         | -                | Continuing          | Continuing  |



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| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy                 |           |           |                 |                                                                                           |                  |           |           |                                                                | Date: March 2014 |                     |            |  |
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| Appropriation/Budget Activity<br>1319 / 5                               |           |           |                 | R-1 Program Element (Number/Name)<br>PE 0604800M I (U)Joint Strike Fighter (JSF)<br>- EMD |                  |           |           | Project (Number/Name)<br>2262 I Joint Strike Fighter EMD STOVL |                  |                     |            |  |
| 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 |  |
| • APAF/0204142F: USAF<br>Modification Funding                           | 80.715    | 126.777   | 187.646         | -                                                                                         | 187.646          | 221.826   | 250.178   | 254.903                                                        | 262.733          | Continuing          | Continuing |  |
| • FOD/0207142F: USAF<br>Follow-on Development                           | -         | 3.000     | 28.051          | -                                                                                         | 28.051           | 117.812   | 244.464   | 313.398                                                        | 336.942          | -                   | 1,043.667  |  |
| • 0207142F/USAF: USAF Spares                                            | 163.151   | 89.050    | 236.418         | -                                                                                         | 236.418          | 270.431   | 278.552   | 380.165                                                        | 457.051          | Continuing          | Continuing |  |
| • OPN/4267: Autonomic Logistics<br>Information System (ALIS)            | 2.824     | 3.427     | -               | -                                                                                         | -                | -         | -         | -                                                              | -                | -                   | 6.251      |  |
| • USAF/OPAF PE 27142F: OPAF                                             | 338.000   | 1.431     | 4.463           | -                                                                                         | 4.463            | 3.858     | 2.333     | 2.374                                                          | 2.415            | Continuing          | Continuing |  |
| • APN/0592: F-35 STOVL Series                                           | -         | 111.158   | 285.968         | -                                                                                         | 285.968          | 278.596   | 173.231   | 178.035                                                        | 181.759          | Continuing          | Continuing |  |
| • APN/0593: F-35 CV Series                                              | -         | 29.950    | 20.502          | -                                                                                         | 20.502           | 37.336    | 47.953    | 51.409                                                         | 53.388           | Continuing          | Continuing |  |
| • RDT&E/0604800N/3352:<br>F-35C Sustainment/<br>Capability Enhancements | -         | 14.992    | 16.997          | -                                                                                         | 16.997           | 16.977    | -         | -                                                              | -                | -                   | 48.966     |  |
| • RDT&E/0604800N/3353:<br>F-35C Follow-on Development                   | -         | -         | 14.196          | -                                                                                         | 14.196           | 59.116    | 123.467   | 157.922                                                        | 170.015          | -                   | 524.716    |  |
| • USAF SDD BP 653832:<br>Deployability and<br>Suitability Enhancements  | 14.167    | 16.200    | 32.593          | -                                                                                         | 32.593           | 29.657    | -         | -                                                              | -                | -                   | 92.617     |  |
| • PAF/0207142F: JSF CTOL<br>Advance Procurement                         | 293.400   | 339.533   | 291.880         | -                                                                                         | 291.880          | 438.808   | 528.560   | 522.180                                                        | 497.720          | 18,140.460          | 22,285.046 |  |
| • DCA/0207142F 676011:<br>Dual Capable Aircraft (DCA)                   | -         | -         | 15.615          | -                                                                                         | 15.615           | -         | -         | -                                                              | -                | -                   | 15.615     |  |
| • APN/0147: F-35<br>Joint Strike Fighter CV                             | 808.000   | 1,028.415 | 610.652         | -                                                                                         | 610.652          | 629.916   | 1,135.967 | 1,394.026                                                      | 1,974.142        | 30,575.452          | 47,756.623 |  |
| • APN/0152C: F-35 Joint<br>Strike Fighter STOVL AP                      | 98.061    | 103.195   | 143.885         | -                                                                                         | 143.885          | 203.057   | 226.014   | 136.732                                                        | 139.330          | 3,044.411           | 4,836.075  |  |
| • APN/0152: F-35 Joint<br>Strike Fighter STOVL                          | 1,094.421 | 1,176.498 | 1,200.410       | -                                                                                         | 1,200.410        | 1,451.916 | 2,061.990 | 2,726.113                                                      | 2,810.778        | 27,238.439          | 41,455.992 |  |
| • USN MILCON: USN JSF MILCON                                            | 117.600   | 209.000   | 320.500         | -                                                                                         | 320.500          | 151.700   | 48.100    | -                                                              | 169.700          | 660.900             | 2,259.300  |  |
| • RDT&E/0604800N/3194:<br>USN USRL                                      | 17.477    | -         | -               | -                                                                                         | -                | -         | -         | -                                                              | -                | -                   | 147.205    |  |

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| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |           |                 |                                                                                           |                  |           |           |                                                                |           | Date: March 2014    |            |
| Appropriation/Budget Activity<br>1319 / 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |           |                 | R-1 Program Element (Number/Name)<br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |                  |           |           | Project (Number/Name)<br>2262 / Joint Strike Fighter EMD STOVL |           |                     |            |
| 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 |
| • International 2:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1,487.584 | 1,924.048 | 3,205.900       | -                                                                                         | 3,205.900        | 6,109.330 | 7,280.752 | 6,686.294                                                      | 4,192.377 | -                   | 34,149.323 |
| International Procurement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |           |                 |                                                                                           |                  |           |           |                                                                |           |                     |            |
| • OPN/4268: Logistics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -         | -         | 6.016           | -                                                                                         | 6.016            | 3.946     | 2.262     | 4.122                                                          | 3.969     | 9.408               | 29.723     |
| Information System (ALIS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |           |                 |                                                                                           |                  |           |           |                                                                |           |                     |            |
| • MC/0207597F: USAF MILCON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -         | 32.500    | 26.800          | -                                                                                         | 26.800           | 35.500    | 11.400    | 74.850                                                         | -         | Continuing          | Continuing |
| Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |           |                 |                                                                                           |                  |           |           |                                                                |           |                     |            |
| D. Acquisition Strategy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |           |                 |                                                                                           |                  |           |           |                                                                |           |                     |            |
| <p>The SDD program consists of a cost-reimbursement contract awarded to Lockheed Martin Aeronautics Company to develop the F-35 Air System, consisting of three aircraft variants and its associated logistics support system, for the U.S. Services and international participants. Similarly, a cost-reimbursement contract was awarded to Pratt &amp; Whitney to develop the F135 propulsion system. Ground and flight testing will be conducted during development to accomplish validation and verification, with the extensive use of modeling and simulation to offset the risk of this large, complex, and concurrent lifecycle program. A comprehensive logistics support environment, including an integrated training system for aircrew, maintenance, and support personnel, is also being developed.</p> <p>On 25 April 2011, the Department of Defense terminated the development of the General Electric Rolls-Royce Fighter Engine Team F136 propulsion system.</p> <p>The F-35 Program has made international involvement a key element of the acquisition strategy. This includes international partnership in the development, production, and sustainment phases of the lifecycle. Additional international participation includes Foreign Military Sales arrangements.</p> <p>In Fiscal Year 2007, separate cost-type contracts were awarded to Lockheed Martin Aeronautics Company and Pratt &amp; Whitney to begin low rate initial production for F-35 air vehicles, propulsion systems, and sustainment for the fielded systems. Transition to fixed-price-type contracts occurred with the fourth low rate lot. To provide logistics support for delivered aircraft, Performance-Based Logistics cost-type contracts will be awarded to Lockheed Martin Aeronautics Company and Pratt &amp; Whitney.</p> <p>At the completion of Low Rate Initial Production, a Defense Acquisition Board review, and Milestone Decision Authority approval, the F-35 Program will enter Full Rate Production. Fixed-price procurement contracts will be awarded for F-35 air vehicles and propulsion systems for the U.S. Services and international participants.</p> |           |           |                 |                                                                                           |                  |           |           |                                                                |           |                     |            |
| E. Performance Metrics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |           |                 |                                                                                           |                  |           |           |                                                                |           |                     |            |
| <p>The following are the key performance parameters from the F-35 Selected Acquisition Report dated 31 December 2012:</p> <p>Performance Metrics reflect Key Program Performance data.</p> <p>Combat Radius</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |           |                 |                                                                                           |                  |           |           |                                                                |           |                     |            |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2015 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                  | <b>Date:</b> March 2014                                               |
| <b>Appropriation/Budget Activity</b><br>1319 / 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>R-1 Program Element (Number/Name)</b><br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD | <b>Project (Number/Name)</b><br>2262 / Joint Strike Fighter EMD STOVL |
| <p>Conventional Take Off and Landing Does Not Meet Requirement<br/> Carrier Variant (CV) Meets Tripwire Requirement<br/> Short Take Off Vertical Landing (STOVL) Meets/Exceeds Tripwire Requirement</p> <p>CV Recovery<br/> Maximum Approach Speed Meets Requirement In Tripwire Band</p> <p>STOVL Performance<br/> Flat Deck (High-High-High Profile Fuel) Meets Requirement In Tripwire Band<br/> Ski Jump (High-Medium-Medium-High Profile Fuel) Meets Requirement In Tripwire Band<br/> Vertical Landing Bring Back Meets Requirement In Tripwire Band</p> <p>Interoperability<br/> Net Ready Criteria- Meets Requirement In Tripwire Band</p> <p>Radio Frequency Signature Meets/Exceeds Tripwire Requirement</p> <p>Force Protection<br/> CB Pilot Protection (New Key Performance Parameters Per CN3) - Meets/Exceeds Tripwire Requirement</p> <p>Mission Reliability<br/> Conventional Take Off and Landing (CTOL) Meets/Exceeds Tripwire Requirement<br/> Carrier Variant (CV) Exceeds Operational Requirements Document Objective<br/> Short Takeoff and Vertical Landing (STOVL) United States Marine Corps (USMC) Meets/Exceeds Tripwire Requirement<br/> STOVL United Kingdom (UK) Meets/Exceeds Tripwire Requirement</p> <p>Sortie Generation Rate<br/> CTOL Meets/Exceeds Tripwire Requirement<br/> CV Meets/Exceeds Tripwire Requirement<br/> STOVL USMC Meets/Exceeds Tripwire Requirement<br/> STOVL UK Meets/Exceeds Tripwire Requirement</p> <p>Logistics Footprints<br/> CTOL Meets/Exceeds Tripwire Requirement<br/> STOVL USMC Meets/Exceeds Tripwire Requirement</p> |                                                                                                  |                                                                       |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2015 Navy                                                                                                                                                                                                                                                                                 |                                                                                                  | <b>Date:</b> March 2014                                               |
| <b>Appropriation/Budget Activity</b><br>1319 / 5                                                                                                                                                                                                                                                                                                   | <b>R-1 Program Element (Number/Name)</b><br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD | <b>Project (Number/Name)</b><br>2262 / Joint Strike Fighter EMD STOVL |
| <p>Logistics Footprint- Volume<br/> CV Exceeds Operational Requirements Document (ORD) Objective<br/> STOVL USMC Exceeds ORD Objective<br/> STOVL UK Meets/Exceeds Tripwire Requirement</p> <p>Logistics Footprint-Weight<br/> CV Exceeds ORD Objective<br/> STOVL USMC Exceeds ORD Objective<br/> STOVL UK Meets/Exceeds Tripwire Requirement</p> |                                                                                                  |                                                                       |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy |                        |                                  |             |           |            |                                                                                           |            |                 |            |                                                                |            | Date: March 2014 |                  |            |                          |
|--------------------------------------------------------|------------------------|----------------------------------|-------------|-----------|------------|-------------------------------------------------------------------------------------------|------------|-----------------|------------|----------------------------------------------------------------|------------|------------------|------------------|------------|--------------------------|
| Appropriation/Budget Activity<br>1319 / 5              |                        |                                  |             |           |            | R-1 Program Element (Number/Name)<br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |            |                 |            | Project (Number/Name)<br>2262 / Joint Strike Fighter EMD STOVL |            |                  |                  |            |                          |
| Product Development (\$ in Millions)                   |                        |                                  |             | FY 2013   |            | FY 2014                                                                                   |            | FY 2015<br>Base |            | FY 2015<br>OCO                                                 |            | FY 2015<br>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 |
| Lockheed Martin - SDD                                  | C/CPAF                 | Lockheed Martin : Ft. Worth, TX  | 29,342.589  | 1,665.258 | Oct 2012   | 458.938                                                                                   | Dec 2013   | 667.564         | Dec 2014   | -                                                              |            | 667.564          | 1,758.561        | 33,892.910 | 33,892.910               |
| Lockheed Martin - IDIQ D0022                           | SS/IDIQ                | Lockheed Martin : Ft. Worth, TX  | 26.477      | 1.327     | Oct 2012   | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 27.804     | 27.804                   |
| Lockheed Martin 09-D-0005                              | SS/IDIQ                | Lockheed Martin : Ft. Worth, TX  | 0.903       | 0.597     | Nov 2012   | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 1.500      | 1.500                    |
| Lockheed Martin - IDIQ D0009                           | SS/IDIQ                | Lockheed Martin : Ft. Worth, TX  | 16.759      | -         |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 16.759     | 16.759                   |
| Lockheed Martin - BOA                                  | SS/BOA                 | Lockheed Martin : Ft. Worth, TX  | 3.511       | -         |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 3.511      | 3.511                    |
| Pratt and Whitney - SDD                                | C/CPAF                 | Pratt and Whitney : Hartford, CT | 7,184.247   | 340.219   | Oct 2012   | 359.749                                                                                   | Dec 2013   | 229.175         | Dec 2014   | -                                                              |            | 229.175          | 259.821          | 8,373.211  | 8,373.211                |
| Pratt and Whitney - Close Out Contract C0132           | C/CPFF                 | Pratt and Whitney : Hartford, CT | 1.364       | -         |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 1.364      | 1.364                    |
| Pratt and Whitney - Close Out Contract C0050           | SS/CPFF                | Pratt and Whitney : Hartford, CT | 2.211       | -         |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 2.211      | 2.211                    |
| Pratt and Whitney - BOA                                | SS/BOA                 | Pratt & Whitney : Hartford, CT   | 35.983      | -         |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 35.983     | 35.983                   |
| Pratt and Whitney - IDIQ                               | SS/IDIQ                | Pratt and Whitney : Hartford, CT | 10.925      | -         |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 10.925     | 10.925                   |
| General Electric - SDD                                 | SS/CPAF                | FET : Cincinnati, OH             | 2,160.573   | -         |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 2,160.573  | 2,160.573                |
| General Electric - IDIQ D0009                          | SS/IDIQ                | FET : Cincinnati, OH             | 0.264       | -         |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 0.264      | 0.264                    |
| General Electric - IDIQ D0074                          | SS/IDIQ                | FET : Cincinnati, OH             | 4.175       | -         |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 4.175      | 4.175                    |
| General Electric - F136 Transition                     | SS/CPFF                | FET : Cincinnati, OH             | 100.400     | -         |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 100.400    | 100.400                  |
| General Electric - BOA                                 | SS/BOA                 | FET : Cincinnati, OH             | 5.548       | -         |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 5.548      | 5.548                    |
| General Electric - Phase IIlb                          | SS/CPAF                | FET : Cincinnati, OH             | 382.753     | -         |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 382.753    | 382.753                  |
| Systems Engineering                                    | Various                | Various : Various                | 339.051     | 39.434    | Nov 2012   | 32.188                                                                                    | Nov 2013   | 25.671          | Nov 2014   | -                                                              |            | 25.671           | 72.732           | 509.076    | 509.076                  |
| Subtotal                                               |                        |                                  | 39,617.733  | 2,046.835 |            | 850.875                                                                                   |            | 922.410         |            | -                                                              |            | 922.410          | 2,091.114        | 45,528.967 | 45,528.967               |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy |                              |                                   |                |         |               |                                                                                           |               |                 |               |                                                                |               | Date: March 2014 |                     |               |                                |
|--------------------------------------------------------|------------------------------|-----------------------------------|----------------|---------|---------------|-------------------------------------------------------------------------------------------|---------------|-----------------|---------------|----------------------------------------------------------------|---------------|------------------|---------------------|---------------|--------------------------------|
| Appropriation/Budget Activity<br>1319 / 5              |                              |                                   |                |         |               | R-1 Program Element (Number/Name)<br>PE 0604800M I (U)Joint Strike Fighter (JSF)<br>- EMD |               |                 |               | Project (Number/Name)<br>2262 I Joint Strike Fighter EMD STOVL |               |                  |                     |               |                                |
| Support (\$ in Millions)                               |                              |                                   |                | FY 2013 |               | FY 2014                                                                                   |               | FY 2015<br>Base |               | FY 2015<br>OCO                                                 |               | FY 2015<br>Total |                     |               |                                |
| Cost Category Item                                     | Contract<br>Method<br>& Type | Performing<br>Activity & Location | Prior<br>Years | Cost    | Award<br>Date | Cost                                                                                      | Award<br>Date | Cost            | Award<br>Date | Cost                                                           | Award<br>Date | Cost             | Cost To<br>Complete | Total<br>Cost | Target<br>Value of<br>Contract |
| AFFTC/Eglin                                            | Various                      | Eglin AFB : Eglin, FL             | 104.588        | 7.702   | Oct 2012      | 5.416                                                                                     | Nov 2013      | 8.613           | Nov 2014      | -                                                              |               | 8.613            | 8.890               | 135.209       | -                              |
| ASC/AFRL                                               | Various                      | ASC/AFRL : Dayton, OH             | 56.631         | 4.507   | Oct 2012      | 2.525                                                                                     | Nov 2013      | 1.548           | Nov 2014      | -                                                              |               | 1.548            | 2.775               | 67.986        | -                              |
| Bolling AFB                                            | Various                      | Bolling AFB : Washington, DC      | 6.775          | -       |               | -                                                                                         |               | -               |               | -                                                              |               | -                | -                   | 6.775         | -                              |
| DMEA                                                   | Various                      | DMEA : McClellan, CA              | 5.630          | -       |               | -                                                                                         |               | -               |               | -                                                              |               | -                | -                   | 5.630         | -                              |
| ESC                                                    | Various                      | ESC : Hanscom AFB, MA             | 7.103          | -       |               | -                                                                                         |               | -               |               | -                                                              |               | -                | -                   | 7.103         | -                              |
| AEDC/Fuel                                              | Various                      | AEDC/Fuel : Arnold, TN            | 149.426        | 17.375  | Nov 2012      | 18.753                                                                                    | Nov 2013      | 17.215          | Nov 2014      | -                                                              |               | 17.215           | 11.995              | 214.764       | -                              |
| NADEP Jacksonville                                     | Various                      | NADEP : Jacksonville, FL          | 9.525          | -       |               | -                                                                                         |               | -               |               | -                                                              |               | -                | -                   | 9.525         | -                              |
| Miscellaneous                                          | Various                      | Various : Various                 | 76.845         | 13.959  | Nov 2012      | 37.488                                                                                    | Nov 2013      | 28.736          | Nov 2014      | -                                                              |               | 28.736           | 40.063              | 197.091       | -                              |
| NAWC China Lake                                        | Various                      | NAWC WD : China Lake, CA          | 110.595        | 7.340   | Nov 2012      | 20.710                                                                                    | Nov 2013      | 15.187          | Nov 2014      | -                                                              |               | 15.187           | 21.398              | 175.230       | -                              |
| NAWC Patuxent River                                    | Various                      | NAWC AD : Patuxent, MD            | 318.273        | 35.749  | Nov 2012      | 29.621                                                                                    | Nov 2013      | 29.368          | Nov 2014      | -                                                              |               | 29.368           | 42.931              | 455.942       | -                              |
| NAWC TSD                                               | Various                      | NAWC TSD : Orlando, FL            | 11.609         | -       |               | -                                                                                         |               | -               |               | -                                                              |               | -                | -                   | 11.609        | -                              |
| NSWC                                                   | Various                      | Various : Indian Head, MD         | 3.813          | -       |               | -                                                                                         |               | -               |               | -                                                              |               | -                | -                   | 3.813         | -                              |
| SPAWAR                                                 | Various                      | Various : San Diego, CA           | 8.434          | -       |               | -                                                                                         |               | -               |               | -                                                              |               | -                | -                   | 8.434         | -                              |
| DFAS                                                   | Various                      | Various : Various                 | 0.000          | -       |               | -                                                                                         |               | -               |               | -                                                              |               | -                | -                   | -             | -                              |
| SBIR Technology Insertion Congressional Add            | Various                      | Various : Various                 | 24.187         | -       |               | -                                                                                         |               | -               |               | -                                                              |               | -                | -                   | 24.187        | -                              |
| Subtotal                                               |                              |                                   | 893.434        | 86.632  |               | 114.513                                                                                   |               | 100.667         |               | -                                                              |               | 100.667          | 128.052             | 1,323.298     | -                              |
|                                                        |                              |                                   |                |         |               |                                                                                           |               |                 |               |                                                                |               |                  |                     |               |                                |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy |                        |                                                   |             |         |            |                                                                                           |            |                 |            |                                                                |            | Date: March 2014 |                  |            |                          |
|--------------------------------------------------------|------------------------|---------------------------------------------------|-------------|---------|------------|-------------------------------------------------------------------------------------------|------------|-----------------|------------|----------------------------------------------------------------|------------|------------------|------------------|------------|--------------------------|
| Appropriation/Budget Activity<br>1319 / 5              |                        |                                                   |             |         |            | R-1 Program Element (Number/Name)<br>PE 0604800M I (U)Joint Strike Fighter (JSF)<br>- EMD |            |                 |            | Project (Number/Name)<br>2262 I Joint Strike Fighter EMD STOVL |            |                  |                  |            |                          |
| Test and Evaluation (\$ in Millions)                   |                        |                                                   |             | FY 2013 |            | FY 2014                                                                                   |            | FY 2015<br>Base |            | FY 2015<br>OCO                                                 |            | FY 2015<br>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 |
| NAWC China Lake                                        | Various                | NAWC WD : China Lake, CA                          | 31.523      | 3.690   | Nov 2012   | 3.820                                                                                     | Nov 2013   | 4.971           | Nov 2014   | -                                                              |            | 4.971            | 14.913           | 58.917     | -                        |
| NAWC Patuxent River                                    | Various                | NAWC AD : Patuxent River, MD                      | 404.071     | 115.715 | Nov 2012   | 153.350                                                                                   | Nov 2013   | 183.426         | Nov 2014   | -                                                              |            | 183.426          | 172.360          | 1,028.922  | -                        |
| Edwards AFB                                            | Various                | Edwards AFB : Edwards AFB, CA                     | 407.325     | 77.419  | Nov 2012   | 130.000                                                                                   | Nov 2013   | 100.775         | Nov 2014   | -                                                              |            | 100.775          | 108.049          | 823.568    | -                        |
| Other (including Classified PIDs)                      | Various                | Various : Various                                 | 55.605      | 63.637  | Nov 2012   | 61.803                                                                                    | Nov 2013   | 69.754          | Nov 2014   | -                                                              |            | 69.754           | 77.756           | 328.555    | -                        |
| WEPS/Eglin                                             | Various                | WEPS/Eglin : Various                              | 27.829      | -       |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 27.829     | -                        |
| JTIC                                                   | Various                | Various : Various                                 | 0.000       | -       |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | -          | -                        |
| OT-AFOTEC/AFFC                                         | Various                | OT-AFOTEC/ AFFTC : Kirkland AFB, NM/Eglin AFB, FL | 107.802     | 12.152  | Nov 2012   | 32.740                                                                                    | Nov 2013   | 89.876          | Nov 2014   | -                                                              |            | 89.876           | 287.252          | 529.822    | -                        |
| OT-JITC/OPTEV                                          | Various                | OT-JITC/OPTEC : Various                           | 6.211       | 11.721  | Oct 2012   | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 17.932     | -                        |
| Subtotal                                               |                        |                                                   | 1,040.366   | 284.334 |            | 381.713                                                                                   |            | 448.802         |            | -                                                              |            | 448.802          | 660.330          | 2,815.545  | -                        |
| Management Services (\$ in Millions)                   |                        |                                                   |             | FY 2013 |            | FY 2014                                                                                   |            | FY 2015<br>Base |            | FY 2015<br>OCO                                                 |            | FY 2015<br>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 |
| Business Integration - Cost ACT I                      | SS/CPFF                | ACT I : Arlington, VA                             | 8.604       | 2.334   | Dec 2012   | 3.248                                                                                     | Dec 2013   | 3.362           | Dec 2014   | -                                                              |            | 3.362            | -                | 17.548     | 17.548                   |
| Security Mantech                                       | C/FP                   | Mantech : Arlington, VA                           | 57.282      | 8.617   | Dec 2012   | 11.600                                                                                    | Dec 2013   | -               |            | -                                                              |            | -                | -                | 77.499     | 77.499                   |
| Business Integration - Acq PA Cons                     | Various                | Various : Various                                 | 0.000       | -       |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | -          | -                        |
| Autolog - SEIT DRC                                     | C/CPFF                 | DRC : Arlington, VA                               | 2.573       | -       |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 2.573      | 2.573                    |
| Chief Engineer - First Principles                      | C/CPFF                 | First Principles : Arlington, VA                  | 5.004       | 1.836   | Nov 2012   | 1.928                                                                                     | Dec 2013   | 2.024           | Dec 2014   | -                                                              |            | 2.024            | 2.024            | 12.816     | 12.816                   |

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|-----------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------|-------------|-----------|------------|-------------------------------------------------------------------------------------------|------------|-----------------|------------|----------------------------------------------------------------|------------|------------------|------------------|------------|--------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy                                                                            |                        |                                        |             |           |            |                                                                                           |            |                 |            |                                                                |            | Date: March 2014 |                  |            |                          |
| Appropriation/Budget Activity<br>1319 / 5                                                                                         |                        |                                        |             |           |            | R-1 Program Element (Number/Name)<br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |            |                 |            | Project (Number/Name)<br>2262 / Joint Strike Fighter EMD STOVL |            |                  |                  |            |                          |
| Management Services (\$ in Millions)                                                                                              |                        |                                        |             | FY 2013   |            | FY 2014                                                                                   |            | FY 2015<br>Base |            | FY 2015<br>OCO                                                 |            | FY 2015<br>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 |
| ASC Civilian Pay                                                                                                                  | Various                | ASC CIVPAY : Wright Patterson, AFB, OH | 14.654      | 24.092    | Oct 2012   | 18.586                                                                                    | Oct 2013   | 24.225          | Oct 2014   | -                                                              |            | 24.225           | 36.450           | 118.007    | -                        |
| Operations Wyle                                                                                                                   | C/CPFF                 | Wyle : Arlington, VA                   | 102.871     | 23.500    | Dec 2012   | 24.884                                                                                    | Dec 2013   | -               |            | -                                                              |            | -                | -                | 151.255    | 151.255                  |
| Operations SAFTAS                                                                                                                 | C/CPAF                 | Saftas : Arlington, VA                 | 122.263     | 20.707    | Dec 2012   | 17.350                                                                                    | Dec 2013   | -               |            | -                                                              |            | -                | -                | 160.320    | 160.320                  |
| Operations Stanley                                                                                                                | C/CPAF                 | Stanley : Arlington, VA                | 181.370     | 20.707    | Oct 2012   | 24.604                                                                                    | Dec 2013   | -               |            | -                                                              |            | -                | -                | 226.681    | 226.681                  |
| GE F136 Congressional Studies                                                                                                     | Various                | Various : Various                      | 0.800       | -         |            | -                                                                                         |            | -               |            | -                                                              |            | -                | -                | 0.800      | 0.800                    |
| Travel and Misc                                                                                                                   | Various                | Various : Various                      | 15.771      | 1.736     | Dec 2012   | 4.559                                                                                     | Nov 2013   | 1.816           | Dec 2014   | -                                                              |            | 1.816            | 5.252            | 29.134     | -                        |
| PMA Cost                                                                                                                          | Various                | Various : Various                      | 7.085       | 7.085     | Oct 2012   | -                                                                                         |            | 10.875          | Oct 2014   | -                                                              |            | 10.875           | 34.027           | 59.072     | -                        |
| Subtotal                                                                                                                          |                        |                                        | 518.277     | 110.614   |            | 106.759                                                                                   |            | 42.302          |            | -                                                              |            | 42.302           | 77.753           | 855.705    | -                        |
| Remarks                                                                                                                           |                        |                                        |             |           |            |                                                                                           |            |                 |            |                                                                |            |                  |                  |            |                          |
| Cumulative Award Fee earned in prior years for Stanley is 99%.                                                                    |                        |                                        |             |           |            |                                                                                           |            |                 |            |                                                                |            |                  |                  |            |                          |
|                                                                                                                                   |                        |                                        | Prior Years | FY 2013   |            | FY 2014                                                                                   |            | FY 2015<br>Base |            | FY 2015<br>OCO                                                 |            | FY 2015<br>Total | Cost To Complete | Total Cost | Target Value of Contract |
| Cost Category Subtotals                                                                                                           |                        |                                        | 42,069.810  | 2,528.415 |            | 1,453.860                                                                                 |            | 1,514.181       |            | -                                                              |            | 1,514.181        | 2,957.249        | 50,523.515 | -                        |
| RDTE&E, AF 0604800F                                                                                                               |                        |                                        | -           | 1,115.712 |            | 612.254                                                                                   |            | 535.420         |            | -                                                              |            | 535.420          |                  |            | -                        |
| International Partner (SDD)                                                                                                       |                        |                                        | -           | 148.772   |            | 18.030                                                                                    |            | 6.430           |            | -                                                              |            | 6.430            |                  |            | -                        |
| RDT&E,N (Navy) 0604800N/2261                                                                                                      |                        |                                        | -           | 624.872   |            | 424.253                                                                                   |            | 485.263         |            | -                                                              |            | 485.263          |                  |            | -                        |
| Project Cost Totals                                                                                                               |                        |                                        | 42,069.810  | 639.059   |            | 399.323                                                                                   |            | 487.068         |            | -                                                              |            | 487.068          | 2,957.249        | 50,523.515 | -                        |
| Remarks                                                                                                                           |                        |                                        |             |           |            |                                                                                           |            |                 |            |                                                                |            |                  |                  |            |                          |
| NOTE 1: Prior Years reflect \$18,788.057M USAF/\$17,355.294M USN/\$1,163.836 USMC /\$4,762.623M International/Total \$42,069.810M |                        |                                        |             |           |            |                                                                                           |            |                 |            |                                                                |            |                  |                  |            |                          |
| FY 2013 reflects \$1,115.712 USAF/\$624.872M USN/\$639.059M USMC/\$148.772M International/Total \$2,528.415M                      |                        |                                        |             |           |            |                                                                                           |            |                 |            |                                                                |            |                  |                  |            |                          |
| FY 2014 reflects \$612.254M USAF/\$424.253M USN/\$399.323M USMC/\$18.030M International/Total \$1,453.860M                        |                        |                                        |             |           |            |                                                                                           |            |                 |            |                                                                |            |                  |                  |            |                          |
| FY 2015 reflects \$535.420M USAF/\$485.263 USN/\$487.068M USMC/\$6.430M International/Total \$1,514.181M                          |                        |                                        |             |           |            |                                                                                           |            |                 |            |                                                                |            |                  |                  |            |                          |



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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|-------------------------------------------------------------------------------------------|-----------------|----------------|----------------------------------------------------------------|---------------------|---------------|--------------------------------|--|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy                                                                                                                                                                                        |                |         |                                                                                           |                 |                |                                                                | Date: March 2014    |               |                                |  |
| Appropriation/Budget Activity<br>1319 / 5                                                                                                                                                                                                     |                |         | R-1 Program Element (Number/Name)<br>PE 0604800M I (U)Joint Strike Fighter (JSF)<br>- EMD |                 |                | Project (Number/Name)<br>2262 I Joint Strike Fighter EMD STOVL |                     |               |                                |  |
|                                                                                                                                                                                                                                               | Prior<br>Years | FY 2013 | FY 2014                                                                                   | FY 2015<br>Base | FY 2015<br>OCO | FY 2015<br>Total                                               | Cost To<br>Complete | Total<br>Cost | Target<br>Value of<br>Contract |  |
| NOTE 2:R-2A/R-3 displays total combined program (i.e. not Service-specific), including International partners. Funding for JSF Engineering and Manufacturing Development (EMD) and JSF Deployability and Suitability Enhancements (D&S).      |                |         |                                                                                           |                 |                |                                                                |                     |               |                                |  |
| JSF EMD Includes:<br>USAF PE 0604800F BPAC 653831<br>USN PE 0604800N Project Unit 2261<br>USMC PE 0604800M Project Unit 2262                                                                                                                  |                |         |                                                                                           |                 |                |                                                                |                     |               |                                |  |
| D&S Includes:<br>USAF PE 0604800F BPAC 653832<br>USN PE 0604800N Project Unit 3352<br>USMC PE 0604800M Project Unit 3350                                                                                                                      |                |         |                                                                                           |                 |                |                                                                |                     |               |                                |  |
| JSF Follow on Development Includes:<br>USAF PE 0207142F BPAC 675346<br>USN FY13 PE 0604800N Project Unit 2261<br>USN FY14 PE 0604800N Project Unit 3353<br>USMC FY13 PE 0604800M Project Unit 2262<br>USMC FY14 PE 0604800M Project Unit 3351 |                |         |                                                                                           |                 |                |                                                                |                     |               |                                |  |

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

Date: March 2014

Appropriation/Budget Activity

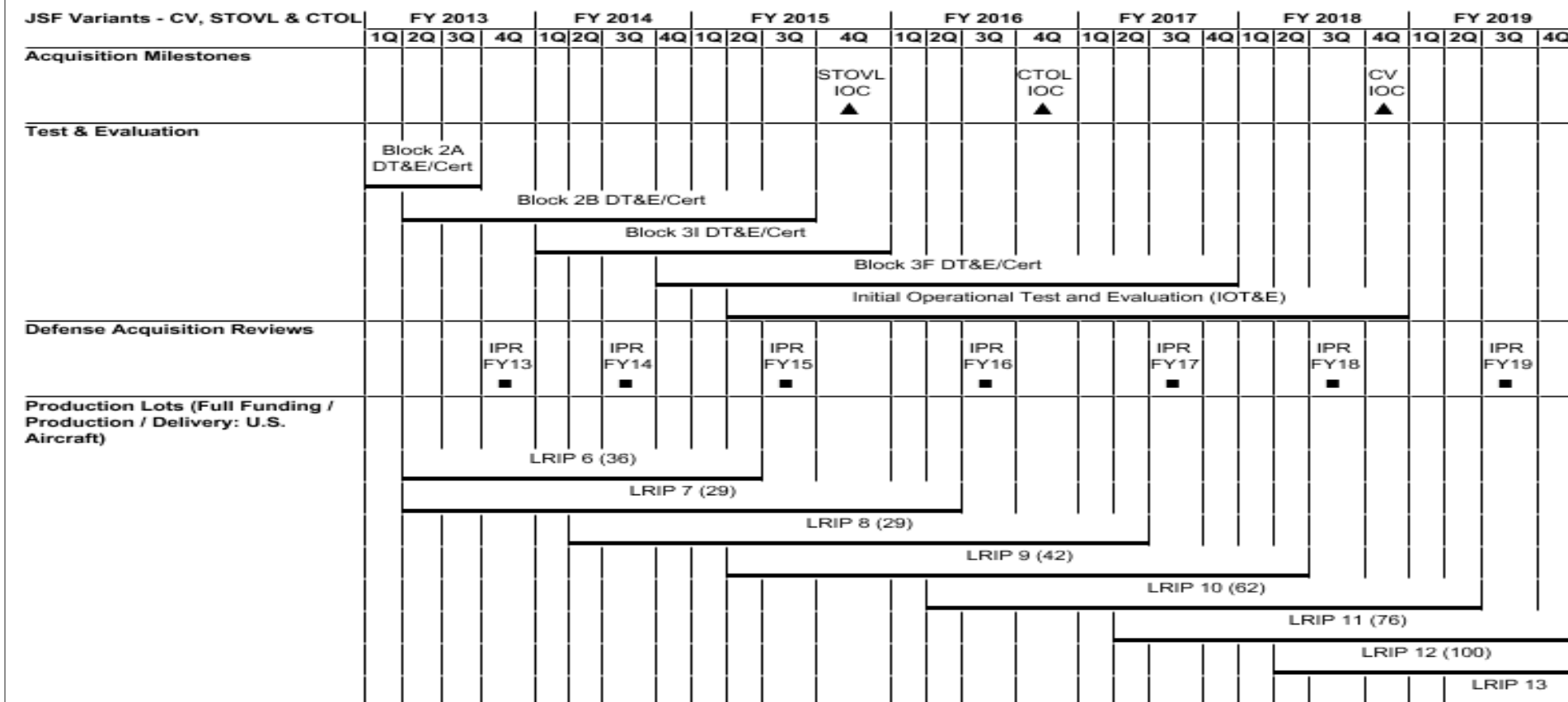
1319 / 5

R-1 Program Element (Number/Name)

PE 0604800M / (U)Joint Strike Fighter (JSF)  
- EMD

Project (Number/Name)

2262 / Joint Strike Fighter EMD STOVL



2015PB - 0604800M - 2262

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|                                                               |                                                                                                  |                                                                       |                         |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------|
| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2015 Navy |                                                                                                  |                                                                       | <b>Date:</b> March 2014 |
| <b>Appropriation/Budget Activity</b><br>1319 / 5              | <b>R-1 Program Element (Number/Name)</b><br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD | <b>Project (Number/Name)</b><br>2262 / Joint Strike Fighter EMD STOVL |                         |

**Schedule Details**

| Events by Sub Project                                                                       | Start   |      | End     |      |
|---------------------------------------------------------------------------------------------|---------|------|---------|------|
|                                                                                             | Quarter | Year | Quarter | Year |
| <b>JSF Variants - CV, STOVL &amp; CTOL</b>                                                  |         |      |         |      |
| Acquisition Milestones: STOVL Initial Operational Capability                                | 4       | 2015 | 4       | 2015 |
| Acquisition Milestones: CTOL Initial Operational Capability                                 | 4       | 2016 | 4       | 2016 |
| Acquisition Milestones: CV Initial Operational Capability                                   | 4       | 2018 | 4       | 2018 |
| Test & Evaluation: Test and Evaluation: Block 2A DT&E/Cert                                  | 1       | 2013 | 3       | 2013 |
| Test & Evaluation: Test and Evaluation: Block 2B DT&E/Cert                                  | 2       | 2013 | 3       | 2015 |
| Test & Evaluation: Test and Evaluation: Block 3I DT&E/Cert                                  | 1       | 2014 | 4       | 2015 |
| Test & Evaluation: Test and Evaluation: Block 3F DT&E/Cert                                  | 4       | 2014 | 4       | 2017 |
| Test & Evaluation: Test and Evaluation: Initial Operational Test and Evaluation (IOT&E)     | 2       | 2015 | 4       | 2018 |
| Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-13 | 4       | 2013 | 4       | 2013 |
| Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-14 | 3       | 2014 | 3       | 2014 |
| Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-15 | 3       | 2015 | 3       | 2015 |
| Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-16 | 3       | 2016 | 3       | 2016 |
| Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-17 | 3       | 2017 | 3       | 2017 |
| Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-18 | 3       | 2018 | 3       | 2018 |
| Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-19 | 3       | 2019 | 3       | 2019 |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2015 Navy                                                                  |  |                                                                                           | Date: March 2014 |                                                                |      |
| Appropriation/Budget Activity<br>1319 / 5                                                                           |  | R-1 Program Element (Number/Name)<br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |                  | Project (Number/Name)<br>2262 / Joint Strike Fighter EMD STOVL |      |
|                                                                                                                     |  | Start                                                                                     |                  | End                                                            |      |
| Events by Sub Project                                                                                               |  | Quarter                                                                                   | Year             | Quarter                                                        | Year |
| Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 6 Full Funding / Production / Delivery  |  | 2                                                                                         | 2013             | 2                                                              | 2015 |
| Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 7 Full Funding / Production / Delivery  |  | 2                                                                                         | 2013             | 2                                                              | 2016 |
| Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 8 Full Funding / Production / Delivery  |  | 2                                                                                         | 2014             | 2                                                              | 2017 |
| Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 9 Full Funding / Production / Delivery  |  | 2                                                                                         | 2015             | 2                                                              | 2018 |
| Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 10 Full Funding / Production / Delivery |  | 2                                                                                         | 2016             | 2                                                              | 2019 |
| Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 11 Full Funding / Production / Delivery |  | 2                                                                                         | 2017             | 4                                                              | 2019 |
| Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 12 Full Funding / Production / Delivery |  | 2                                                                                         | 2018             | 4                                                              | 2019 |
| Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 13 Full Funding / Production / Delivery |  | 2                                                                                         | 2019             | 4                                                              | 2019 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy |             |         |         |              |                                                                                           |               |         |         |                                                                           | Date: March 2014 |                  |            |
| Appropriation/Budget Activity<br>1319 / 5               |             |         |         |              | R-1 Program Element (Number/Name)<br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |               |         |         | Project (Number/Name)<br>3350 / F-35B Sustainment/Capability Enhancements |                  |                  |            |
| 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 |
| 3350: F-35B Sustainment/Capability Enhancements         | -           | -       | 14.904  | 11.980       | -                                                                                         | 11.980        | 11.952  | -       | -                                                                         | -                | -                | 38.836     |
| Quantity of RDT&E Articles                              | 0.000       | -       | -       | -            | -                                                                                         | -             | -       | -       | -                                                                         | -                |                  |            |

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

**Note**  
NOTE: \* This Navy Project Unit (3350) was a New Start in Fiscal Year 2014.

Total cost including United States Navy (USN), United States Marine Corps (USMC), and United States Air Force (USAF) funding is: FY13 \$14.167M, FY14 \$46.096M, and FY15 \$61.570M

R-2A table shown above reflect service funding only.

R-2A (section B)/R-3 displays total combined program (i.e. not Service-specific), including International partners. D&S Includes:  
USAF PE 64800F BPAC 653832  
USN PE 0604800N Project Unit 3352  
USMC PE 0604800M Project Unit 3350

**A. Mission Description and Budget Item Justification**  
Funds enhancements to the deployability and suitability of the air system such as low observable (LO) maintenance enhancements, security architecture updates, redesign of obsolete items, and integrated training simulators. These enhancements will provide vital on-demand support to the war-fighter within a deployed environment and are not funded via the existing System Development and Demonstration (SDD) program or tied to Block 4 Operational Flight Program development. Funding will result in achieving targeted suitability, maintainability, and affordability returns employing the F-35 in deployed or austere locations.

-Funding at the accomplishment/planned program level is reported as the total of all services as these activities support all aircraft variants. The annual funding contribution between the United States Navy and United States Marine Corps is approximately equal.

|                                                                                         |                |                |                |
|-----------------------------------------------------------------------------------------|----------------|----------------|----------------|
| <b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b> | <b>FY 2013</b> | <b>FY 2014</b> | <b>FY 2015</b> |
| <b>Title:</b> Sustainment and Capability Enhancements                                   | -              | 31.622         | 42.236         |
| <b>Articles:</b>                                                                        | -              | -              | -              |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2015 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                  | <b>Date:</b> March 2014 |                                                                                  |                |
| <b>Appropriation/Budget Activity</b><br>1319 / 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | <b>R-1 Program Element (Number/Name)</b><br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |                         | <b>Project (Number/Name)</b><br>3350 / F-35B Sustainment/Capability Enhancements |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                  | <b>FY 2013</b>          | <b>FY 2014</b>                                                                   | <b>FY 2015</b> |
| <p><b>Description:</b> Apply disciplined systems engineering, refinement of requirements, develop and acquire suitability and maintainability of the air system such as decentralized maintenance capabilities, LO maintenance enhancements, security architecture updates, redesign of obsolete items and integrated training simulators.</p> <p><b>FY 2013 Accomplishments:</b><br/>Initiate disciplined systems engineering, requirements decomposition, technical maturation and development of suitability and deployability enhancements.</p> <p><b>FY 2014 Plans:</b><br/>Conduct systems engineering, technology maturation, integration and test planning for Deployability and Suitability enhancements.</p> <p><b>FY 2015 Plans:</b><br/>Continue to conduct systems engineering, technical maturation, integration and test planning for suitability and deployability enhancements.</p>                                                                                                                                                                                                                                                     |  |                                                                                                  |                         |                                                                                  |                |
| <p><b>Title:</b> Development Support</p> <p style="text-align: right;"><b>Articles:</b></p> <p><b>Description:</b> Initiate support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities.</p> <p><b>FY 2013 Accomplishments:</b><br/>Continue SDD support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities.</p> <p><b>FY 2014 Plans:</b><br/>Continue development enhancement support for Deployable Autonomic Logistics Information System, decentralized maintenance capabilities, Low Observable maintenance enhancements, security architecture updates, redesign of obsolete items and integrated training simulators.</p> <p><b>FY 2015 Plans:</b><br/>Continue to initiate development enhancement support for Deployable Autonomic Logistics Information System, decentralized maintenance capabilities, Low Observable maintenance enhancements, security architecture updates, redesign of obsolete items, and integrated training simulators.</p> |  |                                                                                                  | 14.167<br>-             | 11.846<br>-                                                                      | 14.745<br>-    |
| <p><b>Title:</b> Development Test and Evaluation</p> <p style="text-align: right;"><b>Articles:</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                  | -<br>-                  | 2.628<br>-                                                                       | 4.589<br>-     |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------------|-------------------------------------------------------------------------------------------|------------------|-----------|-----------|------------------------------------------------------------------------------|-----------|---------------------|-------------|---------|
| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy                                                                                                                                  |           |           |                 |                                                                                           |                  |           |           |                                                                              |           | Date: March 2014    |             |         |
| Appropriation/Budget Activity<br>1319 / 5                                                                                                                                                |           |           |                 | R-1 Program Element (Number/Name)<br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |                  |           |           | Project (Number/Name)<br>3350 / F-35B Sustainment/Capability<br>Enhancements |           |                     |             |         |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                         |           |           |                 |                                                                                           |                  |           |           |                                                                              |           | FY 2013             | FY 2014     | FY 2015 |
| Description: Verification and testing for deployability and suitability enhancements                                                                                                     |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |             |         |
| FY 2013 Accomplishments:<br>N/A                                                                                                                                                          |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |             |         |
| FY 2014 Plans:<br>Initiate verification of test articles, evaluation strategy and metrics in preparation for testing of deployability and suitability enhancements.                      |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |             |         |
| FY 2015 Plans:<br>Continue to initiate government test and evaluation of capability enhancements for Deployable Autonomic Logistics Information system, and LO maintenance enhancements. |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |             |         |
| Accomplishments/Planned Programs Subtotals                                                                                                                                               |           |           |                 |                                                                                           |                  |           |           |                                                                              |           | 14.167              | 46.096      | 61.570  |
| RDT&E,N (Navy) 0604800N/3352                                                                                                                                                             |           |           |                 |                                                                                           |                  |           |           |                                                                              |           | -                   | 14.992      | 16.997  |
| RDT&E,AF 0604800F/65832                                                                                                                                                                  |           |           |                 |                                                                                           |                  |           |           |                                                                              |           | 14.167              | 16.200      | 32.593  |
| Navy Subtotals                                                                                                                                                                           |           |           |                 |                                                                                           |                  |           |           |                                                                              |           | -                   | 14.904      | 11.980  |
| 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  |         |
| • RDT&E/0604800F:<br>Joint Strike Fighter                                                                                                                                                | 1,115.712 | 612.254   | 535.420         | -                                                                                         | 535.420          | 522.575   | 327.100   | 115.413                                                                      | 5.250     | -                   | 22,021.781  |         |
| • International: International<br>Partner (SDD/FOD)                                                                                                                                      | 148.772   | 18.030    | 6.430           | -                                                                                         | 6.430            | 2.600     | 8.080     | 3.040                                                                        | -         | -                   | 4,949.575   |         |
| • APAF/0207142F: F-35<br>Joint Strike Strike Fighter                                                                                                                                     | 2,532.184 | 2,889.602 | 3,553.046       | -                                                                                         | 3,553.046        | 5,138.558 | 5,262.325 | 5,943.415                                                                    | 5,770.781 | 148,305.400         | 192,028.494 |         |
| • RDT&E/0604800N/2261: JT<br>Strike Fighter (JSF) - EMD                                                                                                                                  | 624.872   | 424.253   | 485.263         | -                                                                                         | 485.263          | 537.152   | 402.492   | 18.485                                                                       | 1.083     | -                   | 19,944.440  |         |
| • APN/0605B: F-35 Joint<br>Strike Fighter STOVL Spares                                                                                                                                   | 91.752    | 41.707    | 85.194          | -                                                                                         | 85.194           | 111.105   | 65.194    | 153.914                                                                      | 69.699    | Continuing          | Continuing  |         |
| • APN/0147C: F-35<br>Joint Strike Fighter CV                                                                                                                                             | 30.699    | 79.016    | 29.400          | -                                                                                         | 29.400           | 73.800    | 123.000   | 196.768                                                                      | 246.000   | 3,605.667           | 5,648.780   |         |

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| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy          |           |           |                 |                                                                                           |                  |           |           |                                                                              | Date: March 2014 |                     |            |
|------------------------------------------------------------------|-----------|-----------|-----------------|-------------------------------------------------------------------------------------------|------------------|-----------|-----------|------------------------------------------------------------------------------|------------------|---------------------|------------|
| Appropriation/Budget Activity<br>1319 / 5                        |           |           |                 | R-1 Program Element (Number/Name)<br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |                  |           |           | Project (Number/Name)<br>3350 / F-35B Sustainment/Capability<br>Enhancements |                  |                     |            |
| 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 |
| • APN/0605C: F-35 Joint Strike Fighter CV Spares                 | 26.089    | 42.060    | 28.200          | -                                                                                         | 28.200           | 28.200    | 136.134   | 101.997                                                                      | 201.771          | Continuing          | Continuing |
| • MC/0207142F: USAF MILCON                                       | 13.513    | 23.500    | 39.900          | -                                                                                         | 39.900           | 14.900    | 3.250     | 61.000                                                                       | -                | Continuing          | Continuing |
| • APAF/0204142F: USAF Modification Funding                       | 80.715    | 126.777   | 187.646         | -                                                                                         | 187.646          | 221.826   | 250.178   | 254.903                                                                      | 262.733          | Continuing          | Continuing |
| • FOD/0207142F: USAF Follow-on Development                       | -         | 3.000     | 28.051          | -                                                                                         | 28.051           | 117.812   | 244.464   | 313.398                                                                      | 336.942          | -                   | 1,043.667  |
| • 0207142F/USAF: USAF Spares                                     | 163.151   | 89.050    | 236.418         | -                                                                                         | 236.418          | 270.431   | 278.552   | 380.165                                                                      | 457.051          | Continuing          | Continuing |
| • OPN/4267: Autonomic Logistics Information System (ALIS)        | 2.824     | 3.427     | -               | -                                                                                         | -                | -         | -         | -                                                                            | -                | -                   | 6.251      |
| • USAF/OPAF PE 27142F: OPAF                                      | 338.000   | 1.431     | 4.463           | -                                                                                         | 4.463            | 3.858     | 2.333     | 2.374                                                                        | 2.415            | Continuing          | Continuing |
| • APN/0592: F-35 STOVL Series                                    | -         | 111.158   | 285.968         | -                                                                                         | 285.968          | 278.596   | 173.231   | 178.035                                                                      | 181.759          | Continuing          | Continuing |
| • APN/0593: F-35 CV Series                                       | -         | 29.950    | 20.502          | -                                                                                         | 20.502           | 37.336    | 47.953    | 51.409                                                                       | 53.388           | Continuing          | Continuing |
| • RDT&E/0604800N/3352: F-35C Sustainment/Capability Enhancements | -         | 14.992    | 16.997          | -                                                                                         | 16.997           | 16.977    | -         | -                                                                            | -                | -                   | 48.966     |
| • RDT&E/0604800N/3353: F-35C Follow-on Development               | -         | -         | 14.196          | -                                                                                         | 14.196           | 59.116    | 123.467   | 157.922                                                                      | 170.015          | -                   | 524.716    |
| • USAF SDD BP 653832: Deployability and Suitability Enhancements | 14.167    | 16.200    | 32.593          | -                                                                                         | 32.593           | 29.657    | -         | -                                                                            | -                | -                   | 92.617     |
| • PAF/0207142F: JSF CTOL Advance Procurement                     | 293.400   | 339.533   | 291.880         | -                                                                                         | 291.880          | 438.808   | 528.560   | 522.180                                                                      | 497.720          | 18,140.460          | 22,285.046 |
| • DCA/0207142F: Dual Capable Aircraft (DCA)                      | -         | -         | 15.615          | -                                                                                         | 15.615           | -         | -         | -                                                                            | -                | -                   | 15.615     |
| • APN/0147: F-35 Joint Strike Fighter CV                         | 808.000   | 1,028.415 | 610.652         | -                                                                                         | 610.652          | 629.916   | 1,135.967 | 1,394.026                                                                    | 1,974.142        | 30,575.452          | 47,756.623 |
| • APN PE BP0152C: Advance Procurement (STOVL) BP0152C            | 98.061    | 103.195   | 143.885         | -                                                                                         | 143.885          | 203.057   | 226.014   | 136.732                                                                      | 139.330          | 3,044.411           | 4,836.075  |
| • APN PE BP0152: Advance Procurement (STOVL) BP0152              | 1,094.421 | 1,176.498 | 1,200.410       | -                                                                                         | 1,200.410        | 1,451.916 | 2,061.990 | 2,726.113                                                                    | 2,810.778        | 27,238.439          | 41,455.992 |
| • USN MILCON: USN JSF MILCON                                     | 117.600   | 209.000   | 320.500         | -                                                                                         | 320.500          | 151.700   | 48.100    | -                                                                            | 169.700          | 660.900             | 2,259.300  |



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| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy                                                                                                                                                                                                          |           |           |                 |                                                                                           |                  |           |           |                                                                              |           | Date: March 2014    |            |  |
| Appropriation/Budget Activity<br>1319 / 5                                                                                                                                                                                                                        |           |           |                 | R-1 Program Element (Number/Name)<br>PE 0604800M I (U)Joint Strike Fighter (JSF)<br>- EMD |                  |           |           | Project (Number/Name)<br>3350 I F-35B Sustainment/Capability<br>Enhancements |           |                     |            |  |
| 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 |  |
| • USN RDT&E USRL: USN USRL                                                                                                                                                                                                                                       | 17.477    | -         | -               | -                                                                                         | -                | -         | -         | -                                                                            | -         | -                   | 147.205    |  |
| • International 2:<br>International Procurement                                                                                                                                                                                                                  | 1,487.584 | 1,924.048 | 3,205.900       | -                                                                                         | 3,205.900        | 6,109.330 | 7,280.752 | 6,686.294                                                                    | 4,192.377 | -                   | 34,149.323 |  |
| • OPN/4268: Logistics<br>Information System (ALIS)                                                                                                                                                                                                               | -         | -         | 6.016           | -                                                                                         | 6.016            | 3.946     | 2.262     | 4.122                                                                        | 3.969     | 9.408               | 29.723     |  |
| • MC/0207597F: USAF MILCON                                                                                                                                                                                                                                       | -         | 32.500    | 26.800          | -                                                                                         | 26.800           | 35.500    | 11.400    | 74.850                                                                       | -         | Continuing          | Continuing |  |
| Remarks                                                                                                                                                                                                                                                          |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| D. Acquisition Strategy                                                                                                                                                                                                                                          |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| Implement JSF Joint Executive Steering Board/Configuration Steering Board approved enhancements to existing capabilities through existing contracts using the engineering change proposal process. When appropriate, new cost type contracts may be established. |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| E. Performance Metrics                                                                                                                                                                                                                                           |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| The following are the key performance parameters from the F-35 Selected Acquisition Report dated 31 December 2012:                                                                                                                                               |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| Performance Metrics reflect Key Program Performance data.                                                                                                                                                                                                        |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| Combat Radius                                                                                                                                                                                                                                                    |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| Conventional Take Off and Landing (CTOL) Does Not Meet Requirement                                                                                                                                                                                               |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| Carrier Variant (CV) Meets Tripwire Requirement                                                                                                                                                                                                                  |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| Short Take Off Vertical Landing (STOVL) Meets/Exceeds Tripwire Requirement                                                                                                                                                                                       |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| CV Recovery                                                                                                                                                                                                                                                      |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| Maximum Approach Speed Meets Requirement In Tripwire Band                                                                                                                                                                                                        |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| STOVL Performance                                                                                                                                                                                                                                                |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| Flat Deck (High-High-High Profile Fuel) Meets Requirement In Tripwire Band                                                                                                                                                                                       |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| Ski Jump (High-Medium-Medium-High Profile Fuel) Meets Requirement In Tripwire Band                                                                                                                                                                               |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| Vertical Landing Bring Back Meets Requirement In Tripwire Band                                                                                                                                                                                                   |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| Interoperability                                                                                                                                                                                                                                                 |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |
| Net Ready Criteria- Meets Requirement In Tripwire Band                                                                                                                                                                                                           |           |           |                 |                                                                                           |                  |           |           |                                                                              |           |                     |            |  |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2015 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                  | <b>Date:</b> March 2014                                                             |
| <b>Appropriation/Budget Activity</b><br>1319 / 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>R-1 Program Element (Number/Name)</b><br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD | <b>Project (Number/Name)</b><br>3350 / F-35B Sustainment/Capability<br>Enhancements |
| <p>Radio Frequency Signature Meets/Exceeds Tripwire Requirement</p> <p>Force Protection</p> <p>CB Pilot Protection (New Key Performance Parameters Per CN3) - Meets/Exceeds Tripwire Requirement</p> <p>Mission Reliability</p> <p>CTOL Meets/Exceeds Tripwire Requirement</p> <p>CV Exceeds Operational Requirements Document Objective</p> <p>STOVL United States Marine Corps Meets/Exceeds Tripwire Requirement</p> <p>STOVL United Kingdom Meets/Exceeds Tripwire Requirement</p> <p>Sortie Generation Rate</p> <p>CTOL Meets/Exceeds Tripwire Requirement</p> <p>CV Meets/Exceeds Tripwire Requirement</p> <p>Short Take Off Vertical Landing (STOVL) United States Marine Corps Meets/Exceeds Tripwire Requirement</p> <p>STOVL UK Meets/Exceeds Tripwire Requirement</p> <p>Logistics Footprints</p> <p>Conventional Take Off and Landing (CTOL) Meets/Exceeds Tripwire Requirement</p> <p>STOVL USMC Meets/Exceeds Tripwire Requirement</p> <p>Logistics Footprint- Volume</p> <p>Carrier Variant (CV) Exceeds Operational Requirements Document (ORD) Objective</p> <p>STOVL USMC Exceeds ORD Objective</p> <p>STOVL UK Meets/Exceeds Tripwire Requirement</p> <p>Logistics Footprint-Weight</p> <p>Carrier Variant (CV)Exceeds Operations Requirements Document (ORD) Objective</p> <p>STOVL USMC Exceeds ORD Objective</p> <p>STOVL UK Meets/Exceeds Tripwire Requirement</p> |                                                                                                  |                                                                                     |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy |                              |                                    |                |         |               |                                                                                           |               |                 |               |                                                                              |               | Date: March 2014 |                     |               |                                |
|--------------------------------------------------------|------------------------------|------------------------------------|----------------|---------|---------------|-------------------------------------------------------------------------------------------|---------------|-----------------|---------------|------------------------------------------------------------------------------|---------------|------------------|---------------------|---------------|--------------------------------|
| Appropriation/Budget Activity<br>1319 / 5              |                              |                                    |                |         |               | R-1 Program Element (Number/Name)<br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |               |                 |               | Project (Number/Name)<br>3350 / F-35B Sustainment/Capability<br>Enhancements |               |                  |                     |               |                                |
| Product Development (\$ in Millions)                   |                              |                                    |                | FY 2013 |               | FY 2014                                                                                   |               | FY 2015<br>Base |               | FY 2015<br>OCO                                                               |               | FY 2015<br>Total |                     |               |                                |
| Cost Category Item                                     | Contract<br>Method<br>& Type | Performing<br>Activity & Location  | Prior<br>Years | Cost    | Award<br>Date | Cost                                                                                      | Award<br>Date | Cost            | Award<br>Date | Cost                                                                         | Award<br>Date | Cost             | Cost To<br>Complete | Total<br>Cost | Target<br>Value of<br>Contract |
| Prime LM Deployability<br>Suitability                  | SS/CPAF                      | Lockheed Martin : Ft.<br>Worth, TX | 0.000          | -       |               | 31.622                                                                                    | Mar 2014      | 42.236          | Mar 2015      | -                                                                            |               | 42.236           | 29.000              | 102.858       | 102.858                        |
| Subtotal                                               |                              |                                    | 0.000          | -       |               | 31.622                                                                                    |               | 42.236          |               | -                                                                            |               | 42.236           | 29.000              | 102.858       | 102.858                        |
| Support (\$ in Millions)                               |                              |                                    |                | FY 2013 |               | FY 2014                                                                                   |               | FY 2015<br>Base |               | FY 2015<br>OCO                                                               |               | FY 2015<br>Total |                     |               |                                |
| Cost Category Item                                     | Contract<br>Method<br>& Type | Performing<br>Activity & Location  | Prior<br>Years | Cost    | Award<br>Date | Cost                                                                                      | Award<br>Date | Cost            | Award<br>Date | Cost                                                                         | Award<br>Date | Cost             | Cost To<br>Complete | Total<br>Cost | Target<br>Value of<br>Contract |
| Development Support                                    | TBD                          | Various : Various                  | 0.000          | 14.167  | Oct 2013      | 10.846                                                                                    | Mar 2014      | 13.745          | Mar 2015      | -                                                                            |               | 13.745           | -                   | 38.758        | -                              |
| Subtotal                                               |                              |                                    | 0.000          | 14.167  |               | 10.846                                                                                    |               | 13.745          |               | -                                                                            |               | 13.745           | -                   | 38.758        | -                              |
| Test and Evaluation (\$ in Millions)                   |                              |                                    |                | FY 2013 |               | FY 2014                                                                                   |               | FY 2015<br>Base |               | FY 2015<br>OCO                                                               |               | FY 2015<br>Total |                     |               |                                |
| Cost Category Item                                     | Contract<br>Method<br>& Type | Performing<br>Activity & Location  | Prior<br>Years | Cost    | Award<br>Date | Cost                                                                                      | Award<br>Date | Cost            | Award<br>Date | Cost                                                                         | Award<br>Date | Cost             | Cost To<br>Complete | Total<br>Cost | Target<br>Value of<br>Contract |
| Developmental Test &<br>Evaluation                     | WR                           | Various : Various                  | 0.000          | -       |               | 2.628                                                                                     | Jun 2014      | 4.589           | Jun 2015      | -                                                                            |               | 4.589            | -                   | 7.217         | -                              |
| Subtotal                                               |                              |                                    | 0.000          | -       |               | 2.628                                                                                     |               | 4.589           |               | -                                                                            |               | 4.589            | -                   | 7.217         | -                              |
| Management Services (\$ in Millions)                   |                              |                                    |                | FY 2013 |               | FY 2014                                                                                   |               | FY 2015<br>Base |               | FY 2015<br>OCO                                                               |               | FY 2015<br>Total |                     |               |                                |
| Cost Category Item                                     | Contract<br>Method<br>& Type | Performing<br>Activity & Location  | Prior<br>Years | Cost    | Award<br>Date | Cost                                                                                      | Award<br>Date | Cost            | Award<br>Date | Cost                                                                         | Award<br>Date | Cost             | Cost To<br>Complete | Total<br>Cost | Target<br>Value of<br>Contract |
| Program Support                                        | TBD                          | Various : Various                  | 0.000          | -       |               | 1.000                                                                                     | Dec 2013      | 1.000           | Dec 2014      | -                                                                            |               | 1.000            | 0.657               | 2.657         | -                              |
| Subtotal                                               |                              |                                    | 0.000          | -       |               | 1.000                                                                                     |               | 1.000           |               | -                                                                            |               | 1.000            | 0.657               | 2.657         | -                              |
|                                                        |                              |                                    | Prior<br>Years | FY 2013 |               | FY 2014                                                                                   |               | FY 2015<br>Base |               | FY 2015<br>OCO                                                               |               | FY 2015<br>Total | Cost To<br>Complete | Total<br>Cost | Target<br>Value of<br>Contract |
| Cost Category Subtotals                                |                              |                                    | 0.000          | 14.167  |               | 46.096                                                                                    |               | 61.570          |               | -                                                                            |               | 61.570           | 29.657              | 151.490       | -                              |
| RDT&E,N (Navy) 0604800N/3352                           |                              |                                    | -              | -       |               | 14.992                                                                                    |               | 16.997          |               | -                                                                            |               | 16.997           |                     |               |                                |

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|------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|--|---------|-------------------------------------------------------------------------------------------|-----------------|--|----------------|------------------------------------------------------------------------------|------------------|---------------------|---------------|--------------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy                                                                                         |                |         |  |         |                                                                                           |                 |  |                |                                                                              | Date: March 2014 |                     |               |                                |
| Appropriation/Budget Activity<br>1319 / 5                                                                                                      |                |         |  |         | R-1 Program Element (Number/Name)<br>PE 0604800M I (U)Joint Strike Fighter (JSF)<br>- EMD |                 |  |                | Project (Number/Name)<br>3350 I F-35B Sustainment/Capability<br>Enhancements |                  |                     |               |                                |
|                                                                                                                                                | Prior<br>Years | FY 2013 |  | FY 2014 |                                                                                           | FY 2015<br>Base |  | FY 2015<br>OCO |                                                                              | FY 2015<br>Total | Cost To<br>Complete | Total<br>Cost | Target<br>Value of<br>Contract |
| RDT&E,AF 0604800F/65832                                                                                                                        | -              | 14.167  |  | 16.200  |                                                                                           | 32.593          |  | -              |                                                                              | 32.593           |                     |               | -                              |
| Project Cost Totals                                                                                                                            | 0.000          | -       |  | 14.904  |                                                                                           | 11.980          |  | -              |                                                                              | 11.980           | 29.657              | 151.490       | -                              |
| Remarks                                                                                                                                        |                |         |  |         |                                                                                           |                 |  |                |                                                                              |                  |                     |               |                                |
| NOTE:                                                                                                                                          |                |         |  |         |                                                                                           |                 |  |                |                                                                              |                  |                     |               |                                |
| FY 2013 reflects \$14.167USAF/Total \$14.167M                                                                                                  |                |         |  |         |                                                                                           |                 |  |                |                                                                              |                  |                     |               |                                |
| FY 2014 reflects \$16.200M USAF/\$14.992M USN/\$0.000M USMC/\$14.904M International/Total \$46.096M                                            |                |         |  |         |                                                                                           |                 |  |                |                                                                              |                  |                     |               |                                |
| FY 2015 reflects \$32.593M USAF/\$16.997M USN/\$11.980M USMC/\$0.000M International/Total \$61.570M                                            |                |         |  |         |                                                                                           |                 |  |                |                                                                              |                  |                     |               |                                |
| R-2A (section B)/R-3 displays total combined program (i.e. not Service-specific), including International partners.                            |                |         |  |         |                                                                                           |                 |  |                |                                                                              |                  |                     |               |                                |
| JSF EMD Includes:<br>USAF PE 0604800F BPAC 653831<br>USN PE 0604800N Project Unit 2261<br>USMC PE 0604800M Project Unit 2262                   |                |         |  |         |                                                                                           |                 |  |                |                                                                              |                  |                     |               |                                |
| D&S Includes:<br>USAF PE 0604800F BPAC 653832<br>USN PE 0604800N Project Unit 3352<br>USMC PE 0604800M Project Unit 3350                       |                |         |  |         |                                                                                           |                 |  |                |                                                                              |                  |                     |               |                                |
| JSF Follow on Development Includes:<br>USAF PE 0207142F BPAC 675346<br>USN PE 0608400N Project Unit 3353<br>USMC PE 0608400M Project Unit 3351 |                |         |  |         |                                                                                           |                 |  |                |                                                                              |                  |                     |               |                                |

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**Appropriation/Budget Activity**  
1319 / 5

**Project (Number/Name)**  
3350 / F-35B Sustainment/Capability  
Enhancements

**R-1 Program Element (Number/Name)**  
PE 0604800M I (U)Joint Strike Fighter (JSF)  
- EMD

[illegible]

2015PB - 0604800M - 3350

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|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|
| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2015 Navy |                                                                                                  |                                                                                     | <b>Date:</b> March 2014 |
| <b>Appropriation/Budget Activity</b><br>1319 / 5              | <b>R-1 Program Element (Number/Name)</b><br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD | <b>Project (Number/Name)</b><br>3350 / F-35B Sustainment/Capability<br>Enhancements |                         |

Schedule Details

| Events by Sub Project                            | Start   |      | End     |      |
|--------------------------------------------------|---------|------|---------|------|
|                                                  | Quarter | Year | Quarter | Year |
| <b>Proj 3350</b>                                 |         |      |         |      |
| D&S: D&S Contract Award                          | 3       | 2013 | 3       | 2013 |
| D&S: D&S Deployment and Suitability Enhancements | 3       | 2014 | 4       | 2016 |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|--------------|-------------------------------------------------------------------------------------------|---------------|---------|---------|-------------------------------------------------------------|------------------|------------------|------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |         |         |              |                                                                                           |               |         |         |                                                             | Date: March 2014 |                  |            |
| Appropriation/Budget Activity<br>1319 / 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |         |         |              | R-1 Program Element (Number/Name)<br>PE 0604800M I (U)Joint Strike Fighter (JSF)<br>- EMD |               |         |         | Project (Number/Name)<br>3351 I F-35B Follow-on Development |                  |                  |            |
| 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 |
| 3351: F-35B Follow-on Development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -           | -       | -       | 13.973       | -                                                                                         | 13.973        | 59.885  | 120.644 | 157.796                                                     | 168.923          | Continuing       | Continuing |
| Quantity of RDT&E Articles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.000       | -       | -       | -            | -                                                                                         | -             | -       | -       | -                                                           | -                |                  |            |
| # The FY 2015 OCO Request will be submitted at a later date.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |         |         |              |                                                                                           |               |         |         |                                                             |                  |                  |            |
| Note                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |         |         |              |                                                                                           |               |         |         |                                                             |                  |                  |            |
| NOTE: * This Navy Project Unit (3351) is a New Start in Fiscal Year 2015.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |         |         |              |                                                                                           |               |         |         |                                                             |                  |                  |            |
| Total cost including USN, USMC, and USAF funding is: FY2014 \$3.000M FY15 \$56.220M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |         |         |              |                                                                                           |               |         |         |                                                             |                  |                  |            |
| R-2A table shown above reflects service funding only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |         |         |              |                                                                                           |               |         |         |                                                             |                  |                  |            |
| R-2A (section B)/R-3 displays combined program for JSF Follow-on Development (FoD).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |         |         |              |                                                                                           |               |         |         |                                                             |                  |                  |            |
| JSF FoD Includes:<br>USAF PE 0207142F BPAC 675346<br>USN PE 0604800N Project Unit 3353<br>USMC PE 0604800M Project Unit 3351                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |         |         |              |                                                                                           |               |         |         |                                                             |                  |                  |            |
| A. Mission Description and Budget Item Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |         |         |              |                                                                                           |               |         |         |                                                             |                  |                  |            |
| F-35 FoD provides continuing incremental upgrades of the three F-35 variants and associated ground equipment. The FoD acquisition strategy is based upon incremental block development of capabilities with each increment consisting of two development cycles. FoD capability planning includes an efficient transition from F-35 SDD to Follow-on Development. As SDD development activities ramp down, the FoD program will assume responsibility for new development and the maintenance of associated developmental infrastructure. FoD capability planning includes Block 4A and 4B Engineering and Manufacturing Development efforts from FY16 through FY19 followed by DT and OT testing in 2020/2021 with IOC of capabilities in 2022. |             |         |         |              |                                                                                           |               |         |         |                                                             |                  |                  |            |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |         |         |              |                                                                                           |               |         |         | FY 2013                                                     | FY 2014          | FY 2015          |            |
| Title: Air Vehicle Follow-on Development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |         |         |              |                                                                                           |               |         |         | -                                                           | 3.000            | 47.880           |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |         |         |              |                                                                                           |               |         |         | Articles: -                                                 | -                | -                |            |
| Description: Capability planning effort will focus on mission requirements analysis, early engineering, risk reduction and preparations leading to formal acquisition approval of Block 4. Program planning will consist of engineering and development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |         |         |              |                                                                                           |               |         |         |                                                             |                  |                  |            |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2015 Navy                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                  | <b>Date:</b> March 2014 |                                                                    |                |
| <b>Appropriation/Budget Activity</b><br>1319 / 5                                                                                                                                                                                                                                                                                                                                                                                                               |  | <b>R-1 Program Element (Number/Name)</b><br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |                         | <b>Project (Number/Name)</b><br>3351 / F-35B Follow-on Development |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                  | <b>FY 2013</b>          | <b>FY 2014</b>                                                     | <b>FY 2015</b> |
| support for defining, managing and the acquisition of capability enhancements required to address threats indicated in the Electronic Warfare ICD and the Fifth Generation Fighter Modernization ICD.                                                                                                                                                                                                                                                          |  |                                                                                                  |                         |                                                                    |                |
| <b>FY 2013 Accomplishments:</b><br>N/A                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                  |                         |                                                                    |                |
| <b>FY 2014 Plans:</b><br>Development and validation of the FoD CDD.                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                  |                         |                                                                    |                |
| <b>FY 2015 Plans:</b><br>Requirements analysis and technical requirements development, systems engineering, and technical planning. A combined Systems Requirements Review and System Functional Review is planned followed by development of the Block 4 preliminary design.                                                                                                                                                                                  |  |                                                                                                  |                         |                                                                    |                |
| <b>Title:</b> Developmental Test & Evaluation                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                  | -                       | -                                                                  | 4.540          |
| <b>Articles:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                  | -                       | -                                                                  | -              |
| <b>Description:</b> Initiate Laboratory and Test Aircraft Upgrade and other test planning activities required for Block 4 and later development , integration, test and evaluation. Changes are needed to support development and evaluation of improvements driven by changes in threat and as identified in the Electronic Warfare ICD and the Fifth Generation Fighter Modernization ICD.                                                                   |  |                                                                                                  |                         |                                                                    |                |
| <b>FY 2013 Accomplishments:</b><br>N/A                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                  |                         |                                                                    |                |
| <b>FY 2014 Plans:</b><br>Near term funding will support infrastructure upgrades required for development of enhanced capabilities. This includes replacement of engines and other life limited components on DT aircraft that will be at end of life upon completion of SDD, as well as laboratory upgrades to support development and verification of capabilities to address advanced threats.                                                               |  |                                                                                                  |                         |                                                                    |                |
| <b>FY 2015 Plans:</b><br>Funding will support infrastructure investment planning and prioritization required to maintain future development capability. This includes planning for long-lead procurement for replacement of engines and other life limited components on DT aircraft that will be at end of life upon completion of SDD, as well as laboratory upgrades required to support development and verification of capabilities in a relevant threat. |  |                                                                                                  |                         |                                                                    |                |
| <b>Title:</b> Development Support                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                  | -                       | -                                                                  | 3.800          |
| <b>Articles:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                  | -                       | -                                                                  | -              |



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| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy                                                                                                                         |           |           |                 |                                                                                           |                  |           |           |                                                             |           | Date: March 2014    |             |         |
| Appropriation/Budget Activity<br>1319 / 5                                                                                                                                       |           |           |                 | R-1 Program Element (Number/Name)<br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |                  |           |           | Project (Number/Name)<br>3351 / F-35B Follow-on Development |           |                     |             |         |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                |           |           |                 |                                                                                           |                  |           |           |                                                             |           | FY 2013             | FY 2014     | FY 2015 |
| Description: Technical and Analytical Support                                                                                                                                   |           |           |                 |                                                                                           |                  |           |           |                                                             |           |                     |             |         |
| FY 2013 Accomplishments:<br>N/A                                                                                                                                                 |           |           |                 |                                                                                           |                  |           |           |                                                             |           |                     |             |         |
| FY 2014 Plans:<br>Initiate development support for defining, managing and acquiring the envisioned F-35C capability enhancements identified in approved requirements documents. |           |           |                 |                                                                                           |                  |           |           |                                                             |           |                     |             |         |
| FY 2015 Plans:<br>Initiate development support for defining, managing and acquiring the envisioned capability enhancements identified in approved requirements documents.       |           |           |                 |                                                                                           |                  |           |           |                                                             |           |                     |             |         |
| Accomplishments/Planned Programs Subtotals                                                                                                                                      |           |           |                 |                                                                                           |                  |           |           |                                                             |           | -                   | 3.000       | 56.220  |
| RDT&E,N (Navy) 0604800N/3353                                                                                                                                                    |           |           |                 |                                                                                           |                  |           |           |                                                             |           | -                   | -           | 14.196  |
| RDT&E,AF 0207142F/675346                                                                                                                                                        |           |           |                 |                                                                                           |                  |           |           |                                                             |           | -                   | 3.000       | 28.051  |
| Navy Subtotals                                                                                                                                                                  |           |           |                 |                                                                                           |                  |           |           |                                                             |           | -                   | -           | 13.973  |
| 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  |         |
| • RDT&E/0604800F:<br>Joint Strike Fighter SDD                                                                                                                                   | 1,115.712 | 612.254   | 535.420         | -                                                                                         | 535.420          | 522.575   | 327.100   | 115.413                                                     | 5.250     | -                   | 22,021.781  |         |
| • International: International<br>Partner (SDD/FOD)                                                                                                                             | 148.772   | 18.030    | 6.430           | -                                                                                         | 6.430            | 2.600     | 8.080     | 3.040                                                       | -         | -                   | 4,949.575   |         |
| • APAF/0207142F: F-35<br>Joint Strike Strike Fighter                                                                                                                            | 2,532.184 | 2,889.602 | 3,553.046       | -                                                                                         | 3,553.046        | 5,138.558 | 5,262.325 | 5,943.415                                                   | 5,770.781 | 148,305.400         | 192,028.494 |         |
| • RDT&E/0604800N/2261:<br>F-35 Joint Strike Strike Fighter                                                                                                                      | 624.872   | 424.253   | 485.263         | -                                                                                         | 485.263          | 537.152   | 402.492   | 18.485                                                      | 1.083     | -                   | 19,974.402  |         |
| • APN/0605B: F-35 Joint<br>Strike Fighter STOVL Spares                                                                                                                          | 91.752    | 41.707    | 85.194          | -                                                                                         | 85.194           | 111.105   | 65.194    | 153.914                                                     | 69.699    | Continuing          | Continuing  |         |
| • APN/0147C: F-35 Joint<br>Strike Fighter CV AP                                                                                                                                 | 30.699    | 79.016    | 29.400          | -                                                                                         | 29.400           | 73.800    | 123.000   | 196.768                                                     | 246.000   | 3,605.667           | 5,648.780   |         |

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| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy           |           |           |                 |                                                                                           |                  |           |           |                                                             | Date: March 2014 |                     |            |
|-------------------------------------------------------------------|-----------|-----------|-----------------|-------------------------------------------------------------------------------------------|------------------|-----------|-----------|-------------------------------------------------------------|------------------|---------------------|------------|
| Appropriation/Budget Activity<br>1319 / 5                         |           |           |                 | R-1 Program Element (Number/Name)<br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |                  |           |           | Project (Number/Name)<br>3351 / F-35B Follow-on Development |                  |                     |            |
| 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 |
| • APN/0605C: F-35 Joint Strike Fighter CV Spares                  | 26.089    | 42.060    | 28.200          | -                                                                                         | 28.200           | 28.200    | 136.134   | 101.997                                                     | 201.771          | Continuing          | Continuing |
| • MC/0207142F: USAF MILCON                                        | 13.513    | 23.500    | 39.900          | -                                                                                         | 39.900           | 14.900    | 3.250     | 61.000                                                      | -                | Continuing          | Continuing |
| • APAF/0204142F: USAF Modification Funding                        | 80.715    | 126.777   | 187.646         | -                                                                                         | 187.646          | 221.826   | 250.178   | 254.903                                                     | 262.733          | Continuing          | Continuing |
| • FOD/0207142F 675346: USAF Follow-on Development                 | -         | 3.000     | 28.051          | -                                                                                         | 28.051           | 117.812   | 244.464   | 313.398                                                     | 336.942          | -                   | 1,043.667  |
| • 0207142F/USAF: USAF Spares                                      | 163.151   | 89.050    | 236.418         | -                                                                                         | 236.418          | 270.431   | 278.552   | 380.165                                                     | 457.051          | Continuing          | Continuing |
| • OPN/4267: Logistics Information System (ALIS)                   | 2.824     | 3.427     | -               | -                                                                                         | -                | -         | -         | -                                                           | -                | -                   | 6.251      |
| • USAF/OPAF PE 27142F: OPAF                                       | 338.000   | 1.431     | 4.463           | -                                                                                         | 4.463            | 3.858     | 2.333     | 2.374                                                       | 2.415            | Continuing          | Continuing |
| • APN/0592: F-35 STOVL Series                                     | -         | 111.158   | 285.968         | -                                                                                         | 285.968          | 278.596   | 173.231   | 178.035                                                     | 181.759          | Continuing          | Continuing |
| • APN/0593: F-35 CV Series                                        | -         | 29.950    | 20.502          | -                                                                                         | 20.502           | 37.336    | 47.953    | 51.409                                                      | 53.388           | Continuing          | Continuing |
| • RDT&E/0604800N/3352: F-35B Sustainment/ Capability Enhancements | -         | 14.992    | 16.997          | -                                                                                         | 16.997           | 16.977    | -         | -                                                           | -                | -                   | 48.966     |
| • RDT&E/0604800N/3353: F-35B Follow-on Development                | -         | -         | 14.196          | -                                                                                         | 14.196           | 59.116    | 123.467   | 157.922                                                     | 170.015          | -                   | 524.716    |
| • USAF SDD BP 653832: Deployability and Suitability Enhancements  | 14.167    | 16.200    | 32.593          | -                                                                                         | 32.593           | 29.657    | -         | -                                                           | -                | -                   | 92.617     |
| • PAF/0207142F: JSF CTOL Advance Procurement                      | 293.400   | 339.533   | 291.880         | -                                                                                         | 291.880          | 438.808   | 528.560   | 522.180                                                     | 497.720          | 18,140.460          | 22,285.046 |
| • DCA/0207142F 676011: Dual Capable Aircraft (DCA)                | -         | -         | 15.615          | -                                                                                         | 15.615           | -         | -         | -                                                           | -                | -                   | 15.615     |
| • APN/0147: F-35 Joint Strike Fighter CV                          | 808.000   | 1,028.415 | 610.652         | -                                                                                         | 610.652          | 629.916   | 1,135.967 | 1,394.026                                                   | 1,974.142        | 30,575.452          | 47,756.623 |
| • APN PE BP0152C: Advance Procurement (STOVL) BP0152C             | 98.061    | 103.195   | 143.885         | -                                                                                         | 143.885          | 203.057   | 226.014   | 136.732                                                     | 139.330          | 3,044.411           | 4,836.075  |
| • APN PE BP0152: Advance Procurement (STOVL) BP0152               | 1,094.421 | 1,176.498 | 1,200.410       | -                                                                                         | 1,200.410        | 1,451.916 | 2,060.990 | 2,726.113                                                   | 2,810.778        | 27,238.439          | 41,454.992 |
| • USN MILCON: USN JSF MILCON                                      | 117.600   | 209.000   | 320.500         | -                                                                                         | 320.500          | 151.700   | 48.100    | -                                                           | 169.700          | 660.900             | 2,259.300  |

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| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |           |                 |                                                                                           |                  |           |           |                                                             |           | Date: March 2014    |            |
| Appropriation/Budget Activity<br>1319 / 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |           |                 | R-1 Program Element (Number/Name)<br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |                  |           |           | Project (Number/Name)<br>3351 / F-35B Follow-on Development |           |                     |            |
| 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 |
| • USN RDT&E USRL: USN USRL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 17.477    | -         | -               | -                                                                                         | -                | -         | -         | -                                                           | -         | -                   | 147.205    |
| • International 2:<br>International Procurement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1,487.584 | 1,924.048 | 3,205.900       | -                                                                                         | 3,205.900        | 6,109.330 | 7,280.752 | 6,686.294                                                   | 4,192.377 | -                   | 34,149.323 |
| • OPN/4268: Logistics<br>Information System (ALIS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -         | -         | 6.016           | -                                                                                         | 6.016            | 3.946     | 2.262     | 4.122                                                       | 3.969     | 9.408               | 29.723     |
| • MC/0207597F: USAF MILCON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -         | 32.500    | 26.800          | -                                                                                         | 26.800           | 35.500    | 11.400    | 74.850                                                      | -         | Continuing          | Continuing |
| Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |           |                 |                                                                                           |                  |           |           |                                                             |           |                     |            |
| D. Acquisition Strategy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |           |                 |                                                                                           |                  |           |           |                                                             |           |                     |            |
| To enable the ability to adjust to potential discrepancies discovered during SDD Block 3 Test and Evaluation, the engineering and development planning support for FoD will be procured under a cost type contract. A fee provision will be used to target and motivate contractor performance. A separate Basic Ordering Agreement or Indefinite quantity/Indefinite Delivery contract is planned to provide a long term approach to upgrading and maintaining laboratories and test aircraft. Both Development Support and Management Services will primarily use CPFF Delivery Orders. |           |           |                 |                                                                                           |                  |           |           |                                                             |           |                     |            |
| E. Performance Metrics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |           |                 |                                                                                           |                  |           |           |                                                             |           |                     |            |
| Overall FoD Performance Metrics will reflect Key Performance Parameters established in the F-35 FoD Capability Development Document.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |           |                 |                                                                                           |                  |           |           |                                                             |           |                     |            |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy        |                        |                                 |             |         |            |                                                                                           |            |                 |            |                                                             |            | Date: March 2014 |                  |            |                          |
|---------------------------------------------------------------|------------------------|---------------------------------|-------------|---------|------------|-------------------------------------------------------------------------------------------|------------|-----------------|------------|-------------------------------------------------------------|------------|------------------|------------------|------------|--------------------------|
| Appropriation/Budget Activity<br>1319 / 5                     |                        |                                 |             |         |            | R-1 Program Element (Number/Name)<br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |            |                 |            | Project (Number/Name)<br>3351 / F-35B Follow-on Development |            |                  |                  |            |                          |
| Product Development (\$ in Millions)                          |                        |                                 |             | FY 2013 |            | FY 2014                                                                                   |            | FY 2015<br>Base |            | FY 2015<br>OCO                                              |            | FY 2015<br>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 |
| Requirements Analysis, Systems Engineering and Risk Reduction | SS/CPFF                | Lockheed Martin : Ft. Worth, TX | 0.000       | -       |            | -                                                                                         |            | 48.623          | Feb 2015   | -                                                           |            | 48.623           | Continuing       | Continuing | Continuing               |
| Subtotal                                                      |                        |                                 | 0.000       | -       |            | -                                                                                         |            | 48.623          |            | -                                                           |            | 48.623           | -                | -          | -                        |
| Support (\$ in Millions)                                      |                        |                                 |             | FY 2013 |            | FY 2014                                                                                   |            | FY 2015<br>Base |            | FY 2015<br>OCO                                              |            | FY 2015<br>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 |
| Technical and Analytic Support                                | SS/CPFF                | Lockheed Martin : Ft. Worth, TX | 0.000       | -       |            | 3.000                                                                                     | Mar 2014   | -               |            | -                                                           |            | -                | Continuing       | Continuing | Continuing               |
| Subtotal                                                      |                        |                                 | 0.000       | -       |            | 3.000                                                                                     |            | -               |            | -                                                           |            | -                | -                | -          | -                        |
| Test and Evaluation (\$ in Millions)                          |                        |                                 |             | FY 2013 |            | FY 2014                                                                                   |            | FY 2015<br>Base |            | FY 2015<br>OCO                                              |            | FY 2015<br>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 |
| Laboratory and Test Aircraft Infrastructure                   | TBD                    | Lockheed Martin : Ft. Worth, TX | 0.000       | -       |            | -                                                                                         |            | 2.100           | Jul 2015   | -                                                           |            | 2.100            | Continuing       | Continuing | Continuing               |
| Subtotal                                                      |                        |                                 | 0.000       | -       |            | -                                                                                         |            | 2.100           |            | -                                                           |            | 2.100            | -                | -          | -                        |
| Management Services (\$ in Millions)                          |                        |                                 |             | FY 2013 |            | FY 2014                                                                                   |            | FY 2015<br>Base |            | FY 2015<br>OCO                                              |            | FY 2015<br>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 Support and Milestone Preparations                    | Various                | Various : Various               | 0.000       | -       |            | -                                                                                         |            | 4.177           | Dec 2014   | -                                                           |            | 4.177            | Continuing       | Continuing | Continuing               |
| PMA                                                           | Various                | Various : Various               | 0.000       | -       |            | -                                                                                         |            | 1.320           | Dec 2014   | -                                                           |            | 1.320            | Continuing       | Continuing | Continuing               |
| Subtotal                                                      |                        |                                 | 0.000       | -       |            | -                                                                                         |            | 5.497           |            | -                                                           |            | 5.497            | -                | -          | -                        |

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|---------------------------------------------------------------------------------------------------------------------|-------------|---------|--|---------|-------------------------------------------------------------------------------------------|--------------|--|-------------|-------------------------------------------------------------|------------------|------------------|------------|--------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy                                                              |             |         |  |         |                                                                                           |              |  |             |                                                             | Date: March 2014 |                  |            |                          |
| Appropriation/Budget Activity<br>1319 / 5                                                                           |             |         |  |         | R-1 Program Element (Number/Name)<br>PE 0604800M I (U)Joint Strike Fighter (JSF)<br>- EMD |              |  |             | Project (Number/Name)<br>3351 I F-35B Follow-on Development |                  |                  |            |                          |
|                                                                                                                     | Prior Years | FY 2013 |  | FY 2014 |                                                                                           | FY 2015 Base |  | FY 2015 OCO |                                                             | FY 2015 Total    | Cost To Complete | Total Cost | Target Value of Contract |
| Cost Category Subtotals                                                                                             | 0.000       | -       |  | 3.000   |                                                                                           | 56.220       |  | -           |                                                             | 56.220           | -                | -          | -                        |
| RDT&E,N (Navy) 0604800N/3353                                                                                        | -           | -       |  | -       |                                                                                           | 14.196       |  | -           |                                                             | 14.196           |                  |            | -                        |
| RDT&E,AF 0207142F/675346                                                                                            | -           | -       |  | 3.000   |                                                                                           | 28.051       |  | -           |                                                             | 28.051           |                  |            | -                        |
| Project Cost Totals                                                                                                 | 0.000       | -       |  | -       |                                                                                           | 13.973       |  | -           |                                                             | 13.973           | -                | -          | -                        |
| Remarks                                                                                                             |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| NOTE:                                                                                                               |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| FY 2014 reflects \$3.000M USAF/\$0.000 USN/\$0.000M USMC/\$0.000M International/Total \$3.000M                      |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| FY 2015 reflects \$28.051M USAF/\$14.196 USN/\$13.973M USMC/\$0.000M International/Total \$56.220                   |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| R-2A (section B)/R-3 displays total combined program (i.e. not Service-specific), including International partners. |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| JSF EMD Includes:                                                                                                   |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| USAF PE 0604800F BPAC 653831                                                                                        |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| USN PE 0604800N Project Unit 2261                                                                                   |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| USMC PE 0604800M Project Unit 2262                                                                                  |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| D&S Includes:                                                                                                       |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| USAF PE 0604800F BPAC 653832                                                                                        |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| USN PE 0604800N Project Unit 3352                                                                                   |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| USMC PE 0604800M Project Unit 3350                                                                                  |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| JSF Follow on Development Includes:                                                                                 |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| USAF PE 0207142F BPAC 675346                                                                                        |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| USN PE 0608400N Project Unit 3353                                                                                   |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| USMC PE 0608400M Project Unit 3351                                                                                  |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| JSF Dual Capability Aircraft Includes:                                                                              |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |
| USAF PE 0207142F BPAC 676011                                                                                        |             |         |  |         |                                                                                           |              |  |             |                                                             |                  |                  |            |                          |

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

Date: March 2014

Appropriation/Budget Activity

1319 / 5

R-1 Program Element (Number/Name)

PE 0604800M / (U)Joint Strike Fighter (JSF)  
- EMD

Project (Number/Name)

3351 / F-35B Follow-on Development

| Proj 3351 | FY 2013 |    |              |    | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    |
|-----------|---------|----|--------------|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
|           | 1Q      | 2Q | 3Q           | 4Q | 1Q      | 2Q | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q |
| Block 4   |         |    |              |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
|           |         |    | Block 4A S/A |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
|           |         |    |              |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
|           |         |    |              |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
|           |         |    |              |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
|           |         |    |              |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
|           |         |    |              |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
|           |         |    |              |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
|           |         |    |              |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
|           |         |    |              |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |

2015PB - 0604800M - 3351

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|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------|
| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2015 Navy |                                                                                                  |                                                                    | <b>Date:</b> March 2014 |
| <b>Appropriation/Budget Activity</b><br>1319 / 5              | <b>R-1 Program Element (Number/Name)</b><br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD | <b>Project (Number/Name)</b><br>3351 / F-35B Follow-on Development |                         |

**Schedule Details**

| <b>Events by Sub Project</b>                                     | <b>Start</b>   |             | <b>End</b>     |             |
|------------------------------------------------------------------|----------------|-------------|----------------|-------------|
|                                                                  | <b>Quarter</b> | <b>Year</b> | <b>Quarter</b> | <b>Year</b> |
| <b><i>Proj 3351</i></b>                                          |                |             |                |             |
| Block 4: Block 4A Requirements Decomposition                     | 3              | 2014        | 2              | 2015        |
| Block 4: Block 4A Risk Reduction                                 | 2              | 2015        | 3              | 2016        |
| Block 4: Block 4A Engineering and Manufacturing Development      | 3              | 2016        | 4              | 2019        |
| Block 4: Block 4B Studies and Analysis                           | 3              | 2015        | 3              | 2016        |
| Block 4: Block 4B Requirements Decomposition                     | 3              | 2016        | 3              | 2017        |
| Block 4: Block 4B Risk Reduction                                 | 3              | 2017        | 3              | 2018        |
| Block 4: Block 4B Risk Engineering and Manufacturing Development | 3              | 2018        | 4              | 2019        |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|----------------|---------------------|--------------------------------------------------------------------------------------------------|----------------------|----------------|----------------|-----------------------------------------------------------|-------------------------|-------------------------|-------------------|--|----------------|----------------|---------------------------------------------------|---|-------|-------------------------------------|--|--|---------------------------|--|--|-------------------------------------|---|-------|
| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2015 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                |                |                     |                                                                                                  |                      |                |                |                                                           | <b>Date:</b> March 2014 |                         |                   |  |                |                |                                                   |   |       |                                     |  |  |                           |  |  |                                     |   |       |
| <b>Appropriation/Budget Activity</b><br>1319 / 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                |                |                     | <b>R-1 Program Element (Number/Name)</b><br>PE 0604800M / (U)Joint Strike Fighter (JSF)<br>- EMD |                      |                |                | <b>Project (Number/Name)</b><br>9999 / Congressional Adds |                         |                         |                   |  |                |                |                                                   |   |       |                                     |  |  |                           |  |  |                                     |   |       |
| <b>COST (\$ in Millions)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Prior Years</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>FY 2016</b> | <b>FY 2017</b> | <b>FY 2018</b>                                            | <b>FY 2019</b>          | <b>Cost To Complete</b> | <b>Total Cost</b> |  |                |                |                                                   |   |       |                                     |  |  |                           |  |  |                                     |   |       |
| 9999: <i>Congressional Adds</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                  | -              | 1.500          | -                   | -                                                                                                | -                    | -              | -              | -                                                         | -                       | -                       | 1.500             |  |                |                |                                                   |   |       |                                     |  |  |                           |  |  |                                     |   |       |
| Quantity of RDT&E Articles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.000              | -              | -              | -                   | -                                                                                                | -                    | -              | -              | -                                                         | -                       |                         |                   |  |                |                |                                                   |   |       |                                     |  |  |                           |  |  |                                     |   |       |
| <p># The FY 2015 OCO Request will be submitted at a later date.</p> <p><b>A. Mission Description and Budget Item Justification</b><br/> Congressional Add. Provides funding to produce, staff, and gain approval of a Block 4 Capability Development Document.</p> <p><b>B. Accomplishments/Planned Programs (\$ in Millions)</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td align="center"><b>FY 2013</b></td> <td align="center"><b>FY 2014</b></td> </tr> <tr> <td><b>Congressional Add:</b> JSF Block 4 - USMC Cong</td> <td align="center">-</td> <td align="center">1.500</td> </tr> <tr> <td><b>FY 2013 Accomplishments:</b> N/A</td> <td></td> <td></td> </tr> <tr> <td><b>FY 2014 Plans:</b> N/A</td> <td></td> <td></td> </tr> <tr> <td align="right"><b>Congressional Adds Subtotals</b></td> <td align="center">-</td> <td align="center">1.500</td> </tr> </table> <p><b>C. Other Program Funding Summary (\$ in Millions)</b><br/>N/A</p> <p><b>Remarks</b></p> <p><b>D. Acquisition Strategy</b><br/>Not required for Congressional Add.</p> <p><b>E. Performance Metrics</b><br/>Not required for Congressional Add.</p> |                    |                |                |                     |                                                                                                  |                      |                |                |                                                           |                         |                         |                   |  | <b>FY 2013</b> | <b>FY 2014</b> | <b>Congressional Add:</b> JSF Block 4 - USMC Cong | - | 1.500 | <b>FY 2013 Accomplishments:</b> N/A |  |  | <b>FY 2014 Plans:</b> N/A |  |  | <b>Congressional Adds Subtotals</b> | - | 1.500 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>FY 2013</b>     | <b>FY 2014</b> |                |                     |                                                                                                  |                      |                |                |                                                           |                         |                         |                   |  |                |                |                                                   |   |       |                                     |  |  |                           |  |  |                                     |   |       |
| <b>Congressional Add:</b> JSF Block 4 - USMC Cong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                  | 1.500          |                |                     |                                                                                                  |                      |                |                |                                                           |                         |                         |                   |  |                |                |                                                   |   |       |                                     |  |  |                           |  |  |                                     |   |       |
| <b>FY 2013 Accomplishments:</b> N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |                |                |                     |                                                                                                  |                      |                |                |                                                           |                         |                         |                   |  |                |                |                                                   |   |       |                                     |  |  |                           |  |  |                                     |   |       |
| <b>FY 2014 Plans:</b> N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                |                |                     |                                                                                                  |                      |                |                |                                                           |                         |                         |                   |  |                |                |                                                   |   |       |                                     |  |  |                           |  |  |                                     |   |       |
| <b>Congressional Adds Subtotals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                  | 1.500          |                |                     |                                                                                                  |                      |                |                |                                                           |                         |                         |                   |  |                |                |                                                   |   |       |                                     |  |  |                           |  |  |                                     |   |       |