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| Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |         |                      |              |                                                |               |         |         |         | DATE: April 2013 |                  |            |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 7: Operational Systems Development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |         |                      |              | R-1 ITEM NOMENCLATURE<br>PE 0305220N: RQ-4 UAV |               |         |         |         |                  |                  |            |
| COST (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | All Prior Years | FY 2012 | FY 2013 <sup>#</sup> | FY 2014 Base | FY 2014 OCO <sup>##</sup>                      | FY 2014 Total | FY 2015 | FY 2016 | FY 2017 | FY 2018          | Cost To Complete | Total Cost |
| Total Program Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 963.751         | 548.617 | 657.483              | 375.235      | -                                              | 375.235       | 336.776 | 206.395 | 138.802 | 124.261          | 7.310            | 3,358.630  |
| 4020: BAMS UAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 963.751         | 548.617 | 657.483              | 375.235      | -                                              | 375.235       | 336.776 | 206.395 | 138.802 | 124.261          | 7.310            | 3,358.630  |
| MDAP/MAIS Code(s): 373                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |         |                      |              |                                                |               |         |         |         |                  |                  |            |
| <sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |         |                      |              |                                                |               |         |         |         |                  |                  |            |
| <sup>##</sup> The FY 2014 OCO Request will be submitted at a later date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |         |                      |              |                                                |               |         |         |         |                  |                  |            |
| A. Mission Description and Budget Item Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |         |                      |              |                                                |               |         |         |         |                  |                  |            |
| MQ-4C Triton Unmanned Air Vehicle (UAV). The popular name Triton was approved for the MQ-4C UAV in June 2012, designating the RQ-4 Broad Area Maritime Surveillance (BAMS) Unmanned Aircraft System (UAS) as the MQ-4C Triton.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |         |                      |              |                                                |               |         |         |         |                  |                  |            |
| The MQ-4C Triton is a High Altitude-Long Endurance UAV designed to provide Fleet and Combatant Commanders with persistent maritime Intelligence, Surveillance and Reconnaissance (ISR) of nearly all the world's high-density sea-lanes, littorals, and areas of national interest. Envisioned as an unmanned adjunct to the P-8A Multi-Mission Maritime Aircraft and crucial to the recapitalization of Navy's airborne maritime ISR capability, the system will seek to leverage Maritime Patrol and Reconnaissance Force manpower, training and maintenance efficiencies.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |         |                      |              |                                                |               |         |         |         |                  |                  |            |
| The MQ-4C air vehicle is based on Northrop Grumman's Block 20 Global Hawk and features sensors designed to provide near worldwide coverage through a network of five orbits inside and outside continental United States, with sufficient air vehicles to remain airborne for 24 hours a day, 7 days a week, out to ranges of 2000 nautical miles. Onboard sensors will provide detection, classification, tracking and identification of maritime targets and include maritime radar, electro-optical/infrared and Electronic Support Measures systems. Additionally, the MQ-4C will have a communications relay capability designed to link dispersed forces in the theater of operations and serve as a node in the Navy's FORCEnet strategy. Tactical-level data analysis will occur in real-time at shore-based Mission Control sites connected to the air vehicle via satellite communications. Further intelligence exploitation can be conducted at Fleet shore-based sites or aboard Aircraft Carriers and other ships. |                 |         |                      |              |                                                |               |         |         |         |                  |                  |            |
| MQ-4C will play a significant role in the Sea Shield and FORCEnet pillars of Sea Power 21. In its Sea Shield role, the system will rely on its key attribute of persistence to provide the supported Combatant Command or Fleet Commander with unparalleled situational awareness of the maritime battle space as it develops and sustains the Common Operational Tactical Picture. The system will also serve as a Fleet Response Plan enabler, while acting as a trip wire for Intelligence Preparation of the Environment. Additionally, Triton UAV will be a FORCEnet enabler and relay platform, directly connected to both the Global Information Grid and the Distributed Common Ground System-Navy Information Backbone.                                                                                                                                                                                                                                                                                                 |                 |         |                      |              |                                                |               |         |         |         |                  |                  |            |
| This PE includes funding in FY15-18 for future incremental development in support of Triton Increment 3 signals intelligence (SIGINT) capability.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |         |                      |              |                                                |               |         |         |         |                  |                  |            |

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                                                |              | DATE: April 2013 |               |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 7: Operational Systems Development                                                                                                                                                                                                                                                                                                                                                                    |         | R-1 ITEM NOMENCLATURE<br>PE 0305220N: RQ-4 UAV |              |                  |               |
| B. Program Change Summary (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FY 2012 | FY 2013                                        | FY 2014 Base | FY 2014 OCO      | FY 2014 Total |
| Previous President's Budget                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 548.267 | 657.483                                        | 233.485      | -                | 233.485       |
| Current President's Budget                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 548.617 | 657.483                                        | 375.235      | -                | 375.235       |
| Total Adjustments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.350   | 0.000                                          | 141.750      | -                | 141.750       |
| • Congressional General Reductions                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -       | -                                              |              |                  |               |
| • Congressional Directed Reductions                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -       | -                                              |              |                  |               |
| • Congressional Rescissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -       | -                                              |              |                  |               |
| • Congressional Adds                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -       | -                                              |              |                  |               |
| • Congressional Directed Transfers                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -       | -                                              |              |                  |               |
| • Reprogrammings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.350   | 0.000                                          |              |                  |               |
| • SBIR/STTR Transfer                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -       | -                                              |              |                  |               |
| • Program Adjustments                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.000   | 0.000                                          | 142.837      | -                | 142.837       |
| • Rate/Misc Adjustments                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.000   | 0.000                                          | -1.087       | -                | -1.087        |
| Change Summary Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                                                |              |                  |               |
| Technical: Not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                                                |              |                  |               |
| Schedule: PB14 shifts the first year of production from FY14 to FY15 and extends the System Development and Demonstration program. As a result of this schedule change, Milestone C, Operational Evaluation, Full Rate Production and Initial Operational Capability have all shifted accordingly. Nomenclature changed for PB14 submission from Engineering and Manufacturing Development to System Development and Demonstration to maintain consistency with Triton acquisition documentation. |         |                                                |              |                  |               |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |         |                      |              |                                                |               |         |         |                           | DATE: April 2013 |                  |            |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 7: Operational Systems Development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |         |                      |              | R-1 ITEM NOMENCLATURE<br>PE 0305220N: RQ-4 UAV |               |         |         | PROJECT<br>4020: BAMS UAS |                  |                  |            |
| COST (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | All Prior Years | FY 2012 | FY 2013 <sup>#</sup> | FY 2014 Base | FY 2014 OCO <sup>##</sup>                      | FY 2014 Total | FY 2015 | FY 2016 | FY 2017                   | FY 2018          | Cost To Complete | Total Cost |
| 4020: BAMS UAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 963.751         | 548.617 | 657.483              | 375.235      | -                                              | 375.235       | 336.776 | 206.395 | 138.802                   | 124.261          | 7.310            | 3,358.630  |
| Quantity of RDT&E Articles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2               | 0       | 3                    | 0            |                                                | 0             | 0       | 0       | 0                         | 0                |                  |            |
| # FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |         |                      |              |                                                |               |         |         |                           |                  |                  |            |
| ## The FY 2014 OCO Request will be submitted at a later date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |         |                      |              |                                                |               |         |         |                           |                  |                  |            |
| A. Mission Description and Budget Item Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |         |                      |              |                                                |               |         |         |                           |                  |                  |            |
| The popular name Triton was approved for the MQ-4C Unmanned Air Vehicle (UAV) in June 2012, designating the RQ-4 Broad Area Maritime Surveillance (BAMS) Unmanned Aircraft System (UAS) as the MQ-4C Triton.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |         |                      |              |                                                |               |         |         |                           |                  |                  |            |
| MQ-4C is a High Altitude-Long Endurance UAV designed to provide Fleet and Combatant Commanders with persistent maritime Intelligence, Surveillance and Reconnaissance (ISR) of nearly all the world's high-density sea-lanes, littorals, and areas of national interest. Envisioned as an unmanned adjunct to the P-8A Multi-Mission Maritime Aircraft, and crucial to the recapitalization of Navy's airborne maritime ISR capability, the system will seek to leverage Maritime Patrol and Reconnaissance Force manpower, training and maintenance efficiencies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |         |                      |              |                                                |               |         |         |                           |                  |                  |            |
| The MQ-4C air vehicle is based on Northrop Grumman's Block 20 Global Hawk and features sensors designed to provide near worldwide coverage through a network of five orbits inside and outside the continental United States, with sufficient air vehicles to remain airborne for 24 hours a day, 7 days a week, out to ranges of 2000 nautical miles. Onboard sensors will provide detection, classification, tracking and identification of maritime targets and include maritime radar, electro-optical/infra-red and Electronic Support Measures systems. Additionally, Triton will have a communications relay capability designed to link dispersed forces in the theater of operations and serve as a node in the Navy's FORCEnet strategy. Tactical-level data analysis will occur in real-time at shore-based Mission Control sites connected to the air vehicle via satellite communications. Further intelligence exploitation can be conducted at Fleet shore-based sites or aboard Aircraft Carriers and other ships. |                 |         |                      |              |                                                |               |         |         |                           |                  |                  |            |
| MQ-4C will play a significant role in the Sea Shield and FORCEnet pillars of Sea Power 21. In its Sea Shield role, the system will rely on its key attribute of persistence to provide the supported Combatant Command or Fleet Commander with unparalleled situational awareness of the maritime battle space as it develops and sustains the Common Operational Tactical Picture. The system will also serve as a Fleet Response Plan enabler, while acting as a trip wire for Intelligence Preparation of the Environment. Additionally, MQ-4C will be a FORCEnet enabler and relay platform, directly connected to both the Global Information Grid and the Distributed Common Ground System-Navy Information Backbone.                                                                                                                                                                                                                                                                                                        |                 |         |                      |              |                                                |               |         |         |                           |                  |                  |            |
| The MQ-4C system is an evolutionary based acquisition, using an incremental development approach. Two Mission Need Statements (MNSs) support the requirement; 1) Triton and Littoral Armed ISR MNS, and 2) Long Endurance, Reconnaissance, Surveillance and Target Acquisition Capability MNS. The Triton UAV Capability Development Document was approved May 2007 by the Joint Requirements Oversight Council.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |         |                      |              |                                                |               |         |         |                           |                  |                  |            |
| This Project Unit includes funding in FY15-18 for future incremental development in support of Triton Increment 3 signals intelligence (SIGINT) capability.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |         |                      |              |                                                |               |         |         |                           |                  |                  |            |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                       | <b>DATE:</b> April 2013          |                |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 7: <i>Operational Systems Development</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0305220N: RQ-4 UAV | <b>PROJECT</b><br>4020: BAMS UAS |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                       | <b>FY 2012</b>                   | <b>FY 2013</b> |
| <b>Title:</b> Product Development<br><br><b>Articles:</b><br><br><b>Description:</b> Awarded contract in FY08 to initiate the System Development and Demonstration (SDD) phase effort. The Prime Contractor is responsible for overall system development and performance, as well as associated management, engineering and logistics activities.<br><br><b>FY 2012 Accomplishments:</b><br>Continued SDD, including purchase of long lead materials in support of FY13 System Demonstration Test Articles (SDTA) and Government engineering support related to SDD.<br><br><b>FY 2013 Plans:</b><br>Continue SDD. Funding increases from FY12 due to the purchase of 3 SDTA vehicles to support Operational Test and Evaluation along with continued Government engineering support related to SDD.<br><br><b>FY 2014 Plans:</b><br>Continue SDD and build of 3 SDTA vehicles. Funding decreases from FY13 to support transition into the test phase of the SDD program. |                                                       | 507.723<br>0                     | 611.594<br>3   |
| <b>Title:</b> ILS, Support, Studies & Analysis<br><br><b>Articles:</b><br><br><b>Description:</b> Integrated Logistics Support, Studies and Analysis.<br><br><b>FY 2012 Accomplishments:</b><br>Continued integrated logistics support, technical engineering services, sensor risk reduction, logistics supportability analyses and environmental planning, modeling and simulation, development of manpower and basing assessments, and development of technical data to support fielding of the MQ-4C Triton Unmanned Air Vehicle (UAV) capabilities.<br><br><b>FY 2013 Plans:</b><br>Continue integrated logistics support, technical engineering services, sensor risk reduction, logistics supportability analyses and environmental planning, modeling and simulation, development of manpower and basing assessments, and development of technical data to support fielding of the Triton UAV capabilities.<br><br><b>FY 2014 Plans:</b>                           |                                                       | 14.105<br>0                      | 12.762<br>0    |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                       | <b>DATE:</b> April 2013          |                |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 7: <i>Operational Systems Development</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0305220N: RQ-4 UAV | <b>PROJECT</b><br>4020: BAMS UAS |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                       | <b>FY 2012</b>                   | <b>FY 2013</b> |
| Continue integrated logistics support, technical engineering services, sensor risk reduction, logistics supportability analyses and environmental planning, modeling and simulation, development of manpower and basing assessments, and development of technical data to support fielding of the Triton UAV capabilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                       |                                  | <b>FY 2014</b> |
| <b>Title:</b> Program Management<br><br><b>Description:</b> Program Management Support and travel.<br><br><b>FY 2012 Accomplishments:</b><br>Continued the following: Program Management Support and travel, development of milestone and acquisition-related documentation, capability refinement and open systems architecture development, resource justification, affordability assessments and cost analyses, risk reduction and risk management, system integration and interoperability planning, technology maturity reviews, program protection planning, corrosion prevention planning, and Joint and International Cooperation efforts.<br><br><b>FY 2013 Plans:</b><br>Continue the following: Program Management Support and travel, development of milestone and acquisition-related documentation, capability refinement and open systems architecture development, resource justification, affordability assessments and cost analyses, risk reduction and risk management, system integration and interoperability planning, technology maturity reviews, program protection planning, corrosion prevention planning, and Joint and International Cooperation efforts.<br><br><b>FY 2014 Plans:</b><br>Continue the following: Program Management Support and travel, development of milestone and acquisition-related documentation, capability refinement and open systems architecture development, resource justification, affordability assessments and cost analyses, risk reduction and risk management, system integration and interoperability planning, technology maturity reviews, program protection planning, corrosion prevention planning, and Joint and International Cooperation efforts. Funding decreases from FY13 to reflect the ramp down in program management required to support the test phase of the System Development and Demonstration program. |                                                       | 5.126<br><b>Articles:</b> 0      | 6.432<br>0     |
| <b>Title:</b> Test & Evaluation (T&E)<br><br><b>Description:</b> T&E efforts.<br><br><b>FY 2012 Accomplishments:</b><br>Continued test and evaluation support activities to allow test and fielding of the MQ-4C Triton Unmanned Air Vehicle (UAV).<br><br><b>FY 2013 Plans:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                       | 21.663<br><b>Articles:</b> 0     | 29.579<br>0    |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Navy                                                                                      |  |  |  |                                                       |  |  |  |                                  |  | <b>DATE:</b> April 2013 |  |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 7: <i>Operational Systems Development</i> |  |  |  | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0305220N: RQ-4 UAV |  |  |  | <b>PROJECT</b><br>4020: BAMS UAS |  |                         |  |

|                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                |                |                |
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| <b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>                                                                                                                                                    |  |  |  |  |  |  |  |  |  | <b>FY 2012</b> | <b>FY 2013</b> | <b>FY 2014</b> |
| Continue test and evaluation support activities to allow test and fielding on the Triton UAV. Funding profile reflects increase in Developmental Testing (DT) and Operational Testing (OT) in support of the established program schedule. |  |  |  |  |  |  |  |  |  |                |                |                |
| <b>FY 2014 Plans:</b><br>Continue DT and OT support activities to allow test and fielding of the Triton UAV in accordance with the program schedule.                                                                                       |  |  |  |  |  |  |  |  |  |                |                |                |
| <b>Accomplishments/Planned Programs Subtotals</b>                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  | 548.617        | 657.483        | 375.235        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                |                         |                        |                          |                |                |                |                |                             |                   |
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| <b>C. Other Program Funding Summary (\$ in Millions)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |                |                         |                        |                          |                |                |                |                |                             |                   |
| <b>Line Item</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2012</b> | <b>FY 2013</b> | <b>FY 2014<br/>Base</b> | <b>FY 2014<br/>OCO</b> | <b>FY 2014<br/>Total</b> | <b>FY 2015</b> | <b>FY 2016</b> | <b>FY 2017</b> | <b>FY 2018</b> | <b>Cost To<br/>Complete</b> | <b>Total Cost</b> |
| • APN-4/044200: RQ-4 UAV<br>(BAMS UAV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.000          | 51.124         | 52.002                  |                        | 52.002                   | 547.803        | 600.509        | 600.617        | 824.150        | 7,472.498                   | 10,148.703        |
| • MILCON/0815976N: <i>Facilities<br/>New Footprint - Training</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4.482          | 14.843         | 63.858                  |                        | 63.858                   | 0.000          | 0.000          | 35.823         | 0.000          | 0.000                       | 119.006           |
| • MILCON/0203176N: <i>Facilities<br/>Restoration and Mod</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.000          | 21.980         | 0.000                   |                        | 0.000                    | 0.000          | 0.000          | 0.000          | 0.000          | 0.000                       | 21.980            |
| • MILCON/0212176N: <i>Facilities<br/>New Footprint - Fleet Ops</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.000          | 34.048         | 20.312                  |                        | 20.312                   | 81.511         | 31.517         | 0.000          | 0.000          | 0.000                       | 167.388           |
| • APN-6/060510: BAMS UAV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.000          | 0.000          | 0.000                   |                        | 0.000                    | 137.174        | 49.336         | 8.265          | 9.683          | 1,029.044                   | 1,233.502         |
| • MILCON/0816376N: <i>Facilities<br/>New Footprint - RDTE</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.000          | 0.000          | 0.000                   |                        | 0.000                    | 0.000          | 0.000          | 0.000          | 0.000          | 0.000                       | 33.034            |
| • RDTEN/0305205N: BAMS UAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.000          | 0.000          | 0.000                   |                        | 0.000                    | 0.000          | 0.000          | 0.000          | 0.000          | 0.000                       | 588.909           |
| <b>Remarks</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                |                         |                        |                          |                |                |                |                |                             |                   |
| <b>D. Acquisition Strategy</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                |                         |                        |                          |                |                |                |                |                             |                   |
| <p>The Triton Unmanned Aircraft Vehicle (UAV) is an evolutionary-based acquisition, using an incremental development approach. During the pre-Milestone B phase, the program performed technical risk reduction through studies and demonstrations, System Development and Demonstration (SDD) contract preparation, and Milestone B documentation development activities. Milestone B occurred on 8 April 2008 and SDD award occurred on 22 April 2008. The SDD contract was based on a competitive selection process for a Prime Contractor.</p> <p>The Triton UAV program office is pursuing joint efficiency with the Air Force on the Global Hawk Unmanned Aircraft System. However, the integration of the Triton UAV into the Maritime Patrol Reconnaissance Force and the unique maritime sensors employed dictate a Navy-led acquisition program focused on joint efficiencies, where possible.</p> |                |                |                         |                        |                          |                |                |                |                |                             |                   |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                          |                                                       | DATE: April 2013                 |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 7: <i>Operational Systems Development</i> | R-1 ITEM NOMENCLATURE<br>PE 0305220N: <i>RQ-4 UAV</i> | PROJECT<br>4020: <i>BAMS UAS</i> |

E. Performance Metrics

Successfully achieve Flight Readiness Review, Milestone C, Integrated Test, and Operational Evaluation.

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------|-----------------|---------|------------|------------------------------------------------|------------|--------------|------------|---------------------------|------------|------------------|------------------|------------|--------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy                                                                                                                                                                                                                                             |                        |                                |                 |         |            |                                                |            |              |            |                           |            | DATE: April 2013 |                  |            |                          |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 7: Operational Systems Development                                                                                                                                                                     |                        |                                |                 |         |            | R-1 ITEM NOMENCLATURE<br>PE 0305220N: RQ-4 UAV |            |              |            | PROJECT<br>4020: BAMS UAS |            |                  |                  |            |                          |
| Product Development (\$ in Millions)                                                                                                                                                                                                                                                               |                        |                                |                 | FY 2012 |            | FY 2013                                        |            | FY 2014 Base |            | FY 2014 OCO               |            | FY 2014 Total    |                  |            |                          |
| Cost Category Item                                                                                                                                                                                                                                                                                 | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost    | Award Date | Cost                                           | Award Date | Cost         | Award Date | Cost                      | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| Primary Hardware Development                                                                                                                                                                                                                                                                       | C/CPAF                 | Northrop Grumman:Bethpage, NY  | 834.705         | 466.121 | Nov 2011   | 563.134                                        | Nov 2012   | 274.571      | Nov 2013   | -                         |            | 274.571          | 299.676          | 2,438.207  | 2,438.207                |
| Systems Engineering                                                                                                                                                                                                                                                                                | Various                | Various:Various                | 3.369           | 1.278   | Nov 2011   | 1.000                                          | Nov 2012   | 3.907        | Nov 2013   | -                         |            | 3.907            | 6.317            | 15.871     |                          |
| Award Fees                                                                                                                                                                                                                                                                                         | C/CPAF                 | Northrop Grumman:Bethpage, NY  | 17.116          | 7.437   | Dec 2012   | 16.445                                         | Dec 2013   | 22.942       | Dec 2014   | -                         |            | 22.942           | 21.596           | 85.536     | 85.536                   |
| Systems Engineering                                                                                                                                                                                                                                                                                | WR                     | NAWC-AD:Patuxent River, MD     | 53.853          | 31.548  | Nov 2011   | 29.660                                         | Nov 2012   | 24.225       | Nov 2013   | -                         |            | 24.225           | 30.261           | 169.547    |                          |
| Systems Engineering                                                                                                                                                                                                                                                                                | WR                     | NAWC-WD:China Lake, CA         | 2.602           | 1.339   | Nov 2011   | 1.355                                          | Nov 2012   | 1.255        | Nov 2013   | -                         |            | 1.255            | 1.729            | 8.280      |                          |
| Increment 3 Development                                                                                                                                                                                                                                                                            | TBD                    | TBD:TBD                        | 0.000           | 0.000   |            | 0.000                                          |            | 0.000        |            | -                         |            | 0.000            | 390.422          | 390.422    |                          |
| Subtotal                                                                                                                                                                                                                                                                                           |                        |                                | 911.645         | 507.723 |            | 611.594                                        |            | 326.900      |            | 0.000                     |            | 326.900          | 750.001          | 3,107.863  |                          |
| Remarks                                                                                                                                                                                                                                                                                            |                        |                                |                 |         |            |                                                |            |              |            |                           |            |                  |                  |            |                          |
| The percentage of funding actually awarded for the FY10 Award Fee period was 80.6%. In FY11, 75.1% of the Award Fee was earned. In FY12, 53.6% of the Award Fee was earned. Award fee is earned during the FY in which it is budgeted. Obligation occurs after conclusion of the award fee period. |                        |                                |                 |         |            |                                                |            |              |            |                           |            |                  |                  |            |                          |
| Support (\$ in Millions)                                                                                                                                                                                                                                                                           |                        |                                |                 | FY 2012 |            | FY 2013                                        |            | FY 2014 Base |            | FY 2014 OCO               |            | FY 2014 Total    |                  |            |                          |
| Cost Category Item                                                                                                                                                                                                                                                                                 | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost    | Award Date | Cost                                           | Award Date | Cost         | Award Date | Cost                      | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| Development Support                                                                                                                                                                                                                                                                                | Various                | Various:Various                | 6.680           | 3.933   | Nov 2011   | 2.074                                          | Nov 2012   | 2.115        | Nov 2013   | -                         |            | 2.115            | 4.000            | 18.802     |                          |
| Integrated Logistics Support                                                                                                                                                                                                                                                                       | Various                | Various:Various                | 1.235           | 1.799   | Nov 2011   | 1.100                                          | Nov 2012   | 1.600        | Nov 2013   | -                         |            | 1.600            | 2.198            | 7.932      |                          |
| Development Support                                                                                                                                                                                                                                                                                | WR                     | NAVSEA:Dahlgren, VA            | 6.070           | 2.362   | Dec 2011   | 2.178                                          | Dec 2012   | 2.000        | Dec 2013   | -                         |            | 2.000            | 3.014            | 15.624     |                          |
| Integrated Logistics Support                                                                                                                                                                                                                                                                       | WR                     | NAWC-AD:Patuxent River, MD     | 7.746           | 4.955   | Nov 2011   | 6.603                                          | Nov 2012   | 5.548        | Nov 2013   | -                         |            | 5.548            | 1.667            | 26.519     |                          |
| Integrated Logistics Support                                                                                                                                                                                                                                                                       | WR                     | NAWC-TSD:Orlando, FL           | 2.054           | 1.056   | Nov 2011   | 1.067                                          | Nov 2012   | 1.499        | Nov 2013   | -                         |            | 1.499            | 2.124            | 7.800      |                          |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------|------------------------|----------------|-------------------|-------------------------------------------------------|-------------------|---------------------|-------------------|--------------------|-------------------|----------------------------------|-------------------------|-------------------|---------------------------------|
| <b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2014 Navy</b>                                                                                       |                                   |                                           |                        |                |                   |                                                       |                   |                     |                   |                    |                   | <b>DATE:</b> April 2013          |                         |                   |                                 |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 7: <i>Operational Systems Development</i> |                                   |                                           |                        |                |                   | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0305220N: RQ-4 UAV |                   |                     |                   |                    |                   | <b>PROJECT</b><br>4020: BAMS UAS |                         |                   |                                 |
| <b>Support (\$ in Millions)</b>                                                                                                                         |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b>                                        |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b>             |                         |                   |                                 |
| <b>Cost Category Item</b>                                                                                                                               | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                           | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                      | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Prior year cost no longer funded in the FYDP                                                                                                            | Various                           | Various:Various                           | 0.768                  | 0.000          |                   | 0.000                                                 |                   | 0.000               |                   | -                  |                   | 0.000                            | 0.000                   | 0.768             |                                 |
| <b>Subtotal</b>                                                                                                                                         |                                   |                                           | 24.553                 | 14.105         |                   | 13.022                                                |                   | 12.762              |                   | 0.000              |                   | 12.762                           | 13.003                  | 77.445            |                                 |
| <b>Test and Evaluation (\$ in Millions)</b>                                                                                                             |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b>                                        |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b>             |                         |                   |                                 |
| <b>Cost Category Item</b>                                                                                                                               | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                           | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                      | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Developmental Test & Evaluation                                                                                                                         | Various                           | Various:Various                           | 4.921                  | 6.859          | Nov 2011          | 7.549                                                 | Nov 2012          | 3.500               | Nov 2013          | -                  |                   | 3.500                            | 3.772                   | 26.601            |                                 |
| Developmental Test & Evaluation                                                                                                                         | WR                                | NAWC-AD:Patuxent River, MD                | 10.719                 | 14.804         | Nov 2011          | 16.686                                                | Nov 2012          | 17.079              | Nov 2013          | -                  |                   | 17.079                           | 22.217                  | 81.505            |                                 |
| Operational Test & Evaluation                                                                                                                           | Various                           | Various:Various                           | 0.000                  | 0.000          |                   | 0.200                                                 | Nov 2012          | 5.200               | Nov 2013          | -                  |                   | 5.200                            | 17.587                  | 22.987            |                                 |
| Developmental Test & Evaluation                                                                                                                         | MIPR                              | DITCO:Various                             | 0.000                  | 0.000          |                   | 2.000                                                 | Nov 2012          | 3.800               | Nov 2013          | -                  |                   | 3.800                            | 3.000                   | 8.800             |                                 |
| <b>Subtotal</b>                                                                                                                                         |                                   |                                           | 15.640                 | 21.663         |                   | 26.435                                                |                   | 29.579              |                   | 0.000              |                   | 29.579                           | 46.576                  | 139.893           |                                 |
| <b>Management Services (\$ in Millions)</b>                                                                                                             |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b>                                        |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b>             |                         |                   |                                 |
| <b>Cost Category Item</b>                                                                                                                               | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                           | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                      | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Contractor Engineering Support                                                                                                                          | C/CPFF                            | Mitre:McLean, VA                          | 1.993                  | 1.485          | Nov 2011          | 1.606                                                 | Nov 2012          | 1.300               | Nov 2013          | -                  |                   | 1.300                            | 0.912                   | 7.296             | 7.296                           |
| Program Management                                                                                                                                      | Various                           | Various:Various                           | 1.489                  | 0.722          | Nov 2011          | 0.438                                                 | Nov 2012          | 0.350               | Nov 2013          | -                  |                   | 0.350                            | 0.917                   | 3.916             |                                 |
| Travel                                                                                                                                                  | WR                                | Various:Various                           | 0.622                  | 0.350          | Nov 2011          | 0.216                                                 | Nov 2012          | 0.194               | Nov 2013          | -                  |                   | 0.194                            | 0.300                   | 1.682             |                                 |
| Program Management Support                                                                                                                              | C/CPFF                            | Various:Various                           | 7.809                  | 2.569          | Dec 2011          | 4.172                                                 | Dec 2012          | 4.150               | Dec 2013          | -                  |                   | 4.150                            | 1.835                   | 20.535            | 20.535                          |
| <b>Subtotal</b>                                                                                                                                         |                                   |                                           | 11.913                 | 5.126          |                   | 6.432                                                 |                   | 5.994               |                   | 0.000              |                   | 5.994                            | 3.964                   | 33.429            |                                 |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--------------------------------------------------------------|--|--|--|-----------------------------------------|--|-------------------------|--|--|
| <b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2014 Navy                                                                                       |  |  |  |  |  |                                                              |  |  |  |                                         |  | <b>DATE:</b> April 2013 |  |  |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 7: <i>Operational Systems Development</i> |  |  |  |  |  | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0305220N: <i>RQ-4 UAV</i> |  |  |  | <b>PROJECT</b><br>4020: <i>BAMS UAS</i> |  |                         |  |  |

|                                                                                                                                                                             |                                   |                                           |                        |                |                   |                |                   |                     |                   |                    |                   |                      |                         |                   |                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------|------------------------|----------------|-------------------|----------------|-------------------|---------------------|-------------------|--------------------|-------------------|----------------------|-------------------------|-------------------|---------------------------------|
| <b>Management Services (\$ in Millions)</b>                                                                                                                                 |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b> |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b> |                         |                   |                                 |
| <b>Cost Category Item</b>                                                                                                                                                   | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>          | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| <b>Remarks</b><br>Travel funding vehicle type is TO.                                                                                                                        |                                   |                                           |                        |                |                   |                |                   |                     |                   |                    |                   |                      |                         |                   |                                 |
|                                                                                                                                                                             |                                   |                                           | <b>All Prior Years</b> | <b>FY 2012</b> |                   | <b>FY 2013</b> |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b> | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| <b>Project Cost Totals</b>                                                                                                                                                  |                                   |                                           | 963.751                | 548.617        |                   | 657.483        |                   | 375.235             |                   | 0.000              |                   | 375.235              | 813.544                 | 3,358.630         |                                 |
| <b>Remarks</b><br>Prior to FY10, MQ-4C Triton, formerly known as RQ-4 Broad Area Maritime Surveillance (BAMS), was budgeted for in PE 0305205N: Endurance Unmanned Aer Veh. |                                   |                                           |                        |                |                   |                |                   |                     |                   |                    |                   |                      |                         |                   |                                 |

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy

DATE: April 2013

## APPROPRIATION/BUDGET ACTIVITY

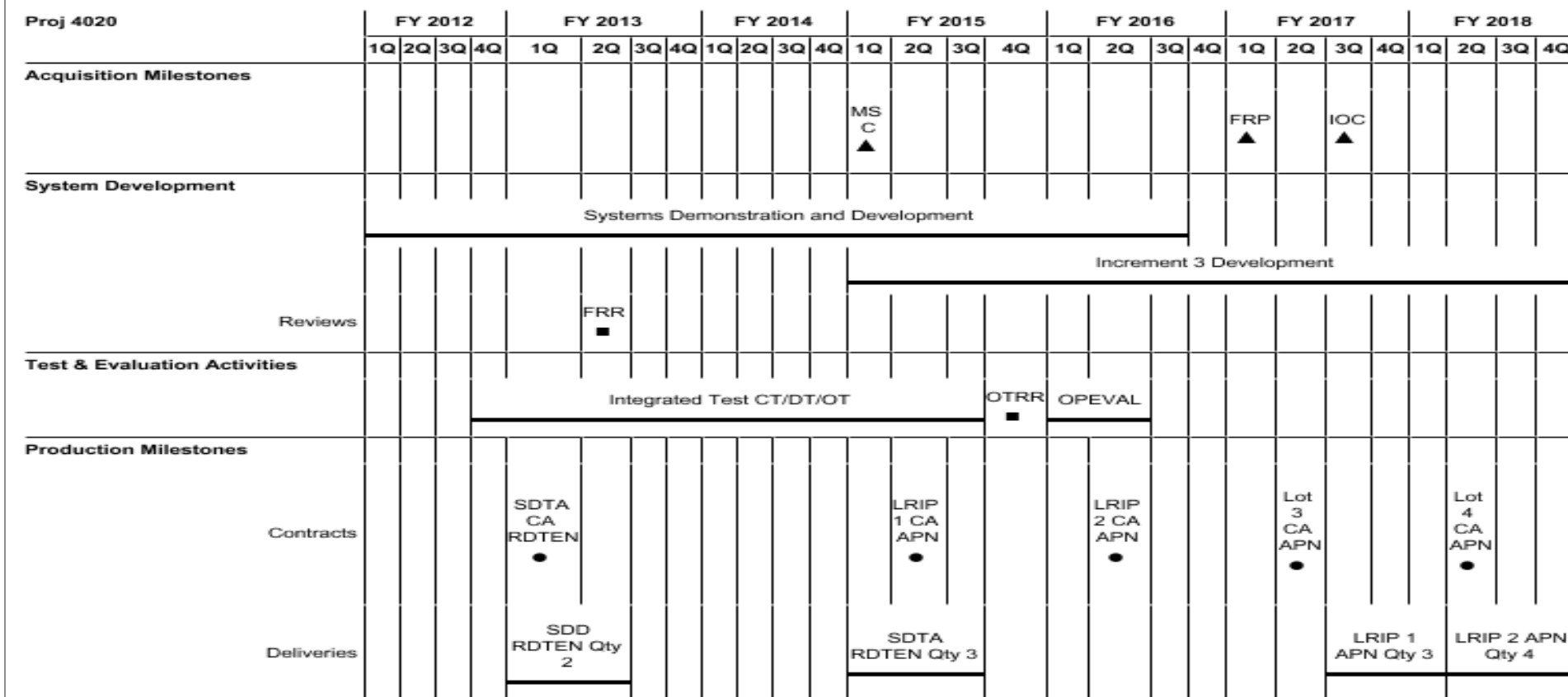
1319: Research, Development, Test & Evaluation, Navy  
BA 7: Operational Systems Development

## R-1 ITEM NOMENCLATURE

PE 0305220N: RQ-4 UAV

## PROJECT

4020: BAMS UAS



2014PB - 0305220N - 4020

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| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Navy                                                                                           |                                                       |                                  | <b>DATE:</b> April 2013 |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 7: <i>Operational Systems Development</i> | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0305220N: RQ-4 UAV | <b>PROJECT</b><br>4020: BAMS UAS |                         |

Schedule Details

| Events by Sub Project                                                               | Start   |      | End     |      |
|-------------------------------------------------------------------------------------|---------|------|---------|------|
|                                                                                     | Quarter | Year | Quarter | Year |
| <b>Proj 4020</b>                                                                    |         |      |         |      |
| Acquisition Milestones: Milestone C                                                 | 1       | 2015 | 1       | 2015 |
| Acquisition Milestones: Full Rate Production                                        | 1       | 2017 | 1       | 2017 |
| Acquisition Milestones: Initial Operational Capability                              | 3       | 2017 | 3       | 2017 |
| System Development: Systems Demonstration and Development                           | 1       | 2012 | 3       | 2016 |
| System Development: Increment 3 Development                                         | 1       | 2015 | 4       | 2018 |
| System Development: Reviews: Flight Readiness Review                                | 2       | 2013 | 2       | 2013 |
| Test & Evaluation Activities: Integrated Test (Combined/Developmental/Operational)  | 4       | 2012 | 3       | 2015 |
| Test & Evaluation Activities: Operational Test Readiness Review                     | 4       | 2015 | 4       | 2015 |
| Test & Evaluation Activities: OPEVAL                                                | 1       | 2016 | 2       | 2016 |
| Production Milestones: Contracts: System Demonstration Test Articles Contract Award | 1       | 2013 | 1       | 2013 |
| Production Milestones: Contracts: Low Rate Initial Production 1 Contract Award      | 2       | 2015 | 2       | 2015 |
| Production Milestones: Contracts: Low Rate Initial Production 2 Contract Award      | 2       | 2016 | 2       | 2016 |
| Production Milestones: Contracts: Full Rate Production Lot 3 Contract Award         | 2       | 2017 | 2       | 2017 |
| Production Milestones: Contracts: Full Rate Production Lot 4 Contract Award         | 2       | 2018 | 2       | 2018 |
| Production Milestones: Deliveries: System Development and Demonstration Deliveries  | 1       | 2013 | 2       | 2013 |
| Production Milestones: Deliveries: System Demonstration Test Articles Delivery      | 1       | 2015 | 3       | 2015 |
| Production Milestones: Deliveries: Low Rate Initial Production 1 Delivery           | 3       | 2017 | 1       | 2018 |
| Production Milestones: Deliveries: Low Rate Initial Production 2 Delivery           | 2       | 2018 | 4       | 2018 |