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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2013 The Joint Staff **DATE:** February 2012

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| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i><br>BA 6: <i>RDT&amp;E Management Support</i> | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0605126J: <i>Joint Integrated Air &amp; Missile Defense Organization (JIAMDO)</i> |
|--|--|

| COST (\$ in Millions)                                   | FY 2011 | FY 2012 | FY 2013 Base | FY 2013 OCO | FY 2013 Total | FY 2014 | FY 2015 | FY 2016 | FY 2017 | Cost To Complete | Total Cost |
|---|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|------------------|------------|
| Total Program Element                                   | 71.424  | 79.514  | 55.508       | -           | 55.508        | 47.607  | 48.321  | 46.023  | 45.945  | Continuing       | Continuing |
| P001: <i>Core</i>                                       | 24.751  | 9.030   | 22.508       | -           | 22.508        | 21.767  | 22.481  | 19.967  | 20.627  | Continuing       | Continuing |
| P002: <i>Homeland</i>                                   | 14.347  | 25.000  | 6.000        | -           | 6.000         | -       | -       | -       | -       | Continuing       | Continuing |
| P003: <i>Black Dart</i>                                 | 3.833   | 5.000   | 4.000        | -           | 4.000         | 3.374   | 3.374   | 3.374   | 3.000   | Continuing       | Continuing |
| P004: <i>Joint Distributed Engineering Plant</i>        | 4.785   | 8.927   | 3.250        | -           | 3.250         | 3.250   | 3.250   | 3.374   | 3.000   | Continuing       | Continuing |
| P005: <i>Nimble Fire</i>                                | 11.692  | 13.340  | 10.500       | -           | 10.500        | 10.690  | 10.690  | 10.750  | 10.750  | Continuing       | Continuing |
| P006: <i>Cruise Missile Combat Identification (CID)</i> | 12.016  | 18.217  | 9.250        | -           | 9.250         | 8.526   | 8.526   | 8.558   | 8.568   | Continuing       | Continuing |

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

The Joint Integrated Air and Missile Defense Organization (JIAMDO) is the organization within the Department of Defense (DOD) chartered to plan, coordinate, and oversee Joint Air and Missile Defense (AMD) requirements, joint operational concepts, and operational architectures. As part of the CJCS staff, JIAMDO supports the Chairman in meeting his Title 10 responsibilities as they relate to air and missile defense issues. JIAMDO serves as the operational community's proponent for characteristics, requirements, and capabilities in air and missile defense, and is the joint air and missile defense resource proponent within the DOD's resource allocation structures. JIAMDO also leads AMD mission area and utility analyses, integrates air and missile defense within the Force Protection joint capability area, and conducts evaluations and demonstrations of joint air and missile defense architectures and concepts.

JIAMDO has established a close partnership with Combatant Commands (COCOMs) and maintains liaison offices at all major COCOM locations to facilitate coordination of integration issues and requirements. In particular, JIAMDO maintains close coordination with US Strategic Command (USSTRATCOM) in support of ballistic missile defense of the US. It provides the Chairman, JCS and the Joint Requirements Oversight Council (JROC) the ability to meet statutory responsibilities to review the cost, schedule and performance criteria of Missile Defense Agency (MDA) missile defense programs, and assesses the validity of those criteria in relation to national and military requirements. At the request of USSTRATCOM, and at the direction of the CJCS, JIAMDO supports USSTRATCOM in the conduct of Military Utility Assessments and analysis of the Ballistic Missile Defense System (BMDS). JIAMDO supports the USSTRATCOM mission by ensuring operational and technical requirements are integrated into the theater missile warning architecture. JIAMDO represents the Joint Staff in work on the AMD Capabilities Based Assessment Joint Service Team. JIAMDO also provides direct support to US Northern Command (USNORTHCOM) for homeland air surveillance issues.

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| APPROPRIATION/BUDGET ACTIVITY  |         | R-1 ITEM NOMENCLATURE   |              |                     |               |
| 0400: Research, Development, Test & Evaluation, Defense-Wide   |         | PE 0605126J: Joint Integrated Air & Missile Defense Organization (JIAMDO) |              |                     |               |
| BA 6: RDT&E Management Support   |         |   |              |                     |               |
| B. Program Change Summary (\$ in Millions)   | FY 2011 | FY 2012   | FY 2013 Base | FY 2013 OCO         | FY 2013 Total |
| Previous President's Budget  | 94.577  | 79.859  | 55.541       | -                   | 55.541        |
| Current President's Budget   | 71.424  | 79.514  | 55.508       | -                   | 55.508        |
| Total Adjustments  | -23.153 | -0.345  | -0.033       | -                   | -0.033        |
| • Congressional General Reductions   | -       | -   |              |                     |               |
| • Congressional Directed Reductions  | -       | -   |              |                     |               |
| • Congressional Rescissions  | -       | -   |              |                     |               |
| • Congressional Adds   | -       | -   |              |                     |               |
| • Congressional Directed Transfers   | -       | -   |              |                     |               |
| • Reprogrammings   | -       | -   |              |                     |               |
| • SBIR/STTR Transfer   | -       | -   |              |                     |               |
| • Directed reduction in travel.  | -       | -0.345  | -0.033       | -                   | -0.033        |
| • Congressional Rescission in FY12 Defense   | -18.608 | -   | -            | -                   | -             |
| Appropriation  |         |   |              |                     |               |
| • Unobligated FY11   | -4.545  | -   | -            | -                   | -             |
| Change Summary Explanation   |         |   |              |                     |               |
| JIAMDO-Homeland: Programs will be near development completion and conducting Military Utility Assessment, which requires live assets and integration development.                          |         |   |              |                     |               |
| JIAMDO-Core: The Joint Staff plans to reduce dependence upon contracted advisory and assistance service efforts, and increase leverage upon organic (military and federal civilian) labor. |         |   |              |                     |               |

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| Exhibit R-2A, RDT&E Project Justification: PB 2013 The Joint Staff   |         |         |              |  |               |         |         | DATE: February 2012   |         |                  |            |
| APPROPRIATION/BUDGET ACTIVITY<br>0400: Research, Development, Test & Evaluation, Defense-Wide<br>BA 6: RDT&E Management Support  |         |         |              | R-1 ITEM NOMENCLATURE<br>PE 0605126J: Joint Integrated Air & Missile Defense Organization (JIAMDO) |               |         |         | PROJECT<br>P001: Core |         |                  |            |
| COST (\$ in Millions)  | FY 2011 | FY 2012 | FY 2013 Base | FY 2013 OCO  | FY 2013 Total | FY 2014 | FY 2015 | FY 2016               | FY 2017 | Cost To Complete | Total Cost |
| P001: Core   | 24.751  | 9.030   | 22.508       | -  | 22.508        | 21.767  | 22.481  | 19.967                | 20.627  | Continuing       | Continuing |
| Quantity of RDT&E Articles   |         |         |              |  |               |         |         |                       |         |                  |            |
| A. Mission Description and Budget Item Justification   |         |         |              |  |               |         |         |                       |         |                  |            |
| <p>The Joint Integrated Air and Missile Defense Organization (JIAMDO) is the organization within the Department of Defense (DOD) chartered to plan, coordinate, and oversee Joint Air and Missile Defense (AMD) requirements, joint operational concepts, and operational architectures. As part of the CJCS staff, JIAMDO supports the Chairman in meeting his Title 10 responsibilities as they relate to air and missile defense issues. JIAMDO serves as the operational community's proponent for characteristics, requirements, and capabilities in air and missile defense, and is the joint air and missile defense resource proponent within the DOD's resource allocation structures. JIAMDO also leads AMD mission area and utility analyses, integrates air and missile defense within the Force Protection joint capability area, and conducts evaluations and demonstrations of joint air and missile defense architectures and concepts.</p>  |         |         |              |  |               |         |         |                       |         |                  |            |
| <p>JIAMDO has established a close partnership with Combatant Commands (COCOM) and maintains liaison offices at all major COCOM locations to facilitate coordination of integration issues and requirements. In particular, JIAMDO maintains close coordination with US Strategic Command (USSTRATCOM) in support of ballistic missile defense of the US. It provides the Chairman, JCS and the Joint Requirements Oversight Council (JROC) the ability to meet statutory responsibilities to review the cost, schedule and performance criteria of Missile Defense Agency (MDA) missile defense programs, and assesses the validity of those criteria in relation to national and military requirements. At the request of USSTRATCOM, and at the direction of the CJCS, JIAMDO supports USSTRATCOM in the conduct of Military Utility Assessments and analysis of the Ballistic Missile Defense System (BMDS). JIAMDO supports the USSTRATCOM mission by ensuring operational and technical requirements are integrated into the theater missile warning architecture. JIAMDO represents the Joint Staff in work on the AMD Capabilities Based Assessment Joint Service Team. JIAMDO also provides direct support to US Northern Command (USNORTHCOM) for homeland air surveillance issues and to US Joint Forces Command (USJFCOM) for capabilities development and validation in support of its Unified Command Plan (UCP) assigned missions.</p> |         |         |              |  |               |         |         |                       |         |                  |            |
| B. Accomplishments/Planned Programs (\$ in Millions)   |         |         |              |  |               |         |         | FY 2011               | FY 2012 | FY 2013          |            |
| Title: Core  |         |         |              |  |               |         |         | 24.751                | 9.030   | 22.508           |            |
| Description: Provides overall staff support for JIAMDO operations in the area of ballistic missile defense, air and cruise missile defense and homeland defense. This includes performing analyses, demonstrations, and programmatic assessments of technology, operations, requirements, and weapons systems. In coordination with Services and COCOMs, JIAMDO Core also leads the definition, assessment, development, and approval of Joint AMD Operational Concepts, Operational Architectures, and capability requirements to guide the Department's joint/interagency/combined fully integrated and net-centric capable air defense (including defense against cruise missiles, unmanned aerial vehicles, and ballistic missiles). JIAMDO Core also:   |         |         |              |  |               |         |         |                       |         |                  |            |
| • Develops and integrates joint exercises, simulations, war-games, force resource allocations, and interoperability initiatives  |         |         |              |  |               |         |         |                       |         |                  |            |
| • Manages relevant Congressional interaction and COCOM interface through a cadre of liaisons collocated with major headquarters  |         |         |              |  |               |         |         |                       |         |                  |            |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 The Joint Staff  |  | <b>DATE:</b> February 2012          |                |                |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i><br>BA 6: <i>RDT&amp;E Management Support</i>   | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0605126J: <i>Joint Integrated Air &amp; Missile Defense Organization (JIAMDO)</i> | <b>PROJECT</b><br>P001: <i>Core</i> |                |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  |  | <b>FY 2011</b>                      | <b>FY 2012</b> | <b>FY 2013</b> |
| <ul style="list-style-type: none"> <li>• Directly supports and sponsors homeland air surveillance related demonstration and analysis activities</li> <li>• Runs the AMD Working Group focusing COCOM, Joint Staff, and Service collaboration efforts in the generation of joint concepts and development of the integrated AMD architecture and roadmap</li> <li>• Develops US positions for, and serves as the US representative to, the NATO Air Defense Committee</li> </ul> <p>JIAMDO Core also enables strategic planning development, infrastructure, security, travel, administrative and other support activities. Funding pays for: Contractor Systems Engineering and Technical Assistance (SETA) support for Air &amp; Cruise Missile Defense (ACMD), Ballistic Missile Defense (BMD), Homeland Air Security (HAS) strategic planning, senior level briefings, and JIAMDO white papers; leased office space, including all upkeep services; all travel costs for government and contractor support personnel, including support for Combatant Commander liaison personnel travel; multiple levels of security including lease support for a Joint Worldwide Intelligence Communications System (JWICS) communications line and Special Compartmented Information (SCI) terminals (due to the classified nature and the diverse content of work in the JIAMDO portfolio); 24-hour physical security force and alarm monitoring and maintenance; daily on-site security personnel to meet DOD, National Industrial Security Program Operating Manual (NISPOM), and other security regulations; for all administrative and support functions; all associated Information Technology (IT) support, copier purchase and maintenance, as well as basic office supplies and furniture; all telephones, telephone lines, classified telephones, and classified/unclassified data connections.</p> <p><b>FY 2011 Accomplishments:</b><br/>Performed Ballistic Missile Defense directed studies and program support activities (contracting, finance, systems engineering and technical assistance, administration, security, communications, leased space and supply).</p> <p><b>FY 2012 Plans:</b><br/>Perform Ballistic Missile Defense directed studies and program support activities (contracting, finance, systems engineering and technical assistance, administration, security, communications, leased space and supply). Program will reduced dependence on contracted advisory and assistance services, and intends to leverage organic (military and federal civilian) labor to achieve planned mission.</p> <p><b>FY 2013 Plans:</b><br/>Perform Ballistic Missile Defense directed studies and program support activities (contracting, finance, systems engineering and technical assistance, administration, security, communications, leased space and supply). Program will reduced dependence on contracted advisory and assistance services, and intends to leverage organic (military and federal civilian) labor to achieve planned mission.</p> |  |                                     |                |                |
| <b>Accomplishments/Planned Programs Subtotals</b>  |  | 24.751                              | 9.030          | 22.508         |

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| <b>C. Other Program Funding Summary (\$ in Millions)</b><br>N/A   |  |                                     |
| <b>D. Acquisition Strategy</b><br>Not required for Budget Activities 1, 2, 3 and 6.   |  |                                     |
| <b>E. Performance Metrics</b> <ul style="list-style-type: none"> <li>- Conduct two Protection Functional Capability Boards per month</li> <li>- Conduct two Air and Missile Defense Working Groups per month</li> <li>- Conduct Change Control Boards per quarter</li> <li>- Support U.S. Representative to NATO Air Defense Council (NADC) to include 2 overseas NADC meetings per year</li> <li>- Develop and maintain electronic library of current Joint and Service AMD Publications</li> <li>- Develop and maintain operational architecture compliant with DoD architectural framework (DODAF) standards</li> <li>- Ensure 100% of all government employee travel is in accordance with the JFTR/JTR</li> <li>- Maintain all unclassified/classified LANs on a daily basis in accordance with TJS Office of the Chief Information Officer guidance/policy</li> <li>- Ensure all computers NIPRNET/SIPRNET are refreshed according to OCIO policy/guidance</li> </ul> |  |                                     |

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| <b>COST (\$ in Millions)</b>   | <b>FY 2011</b> | <b>FY 2012</b> | <b>FY 2013 Base</b> | <b>FY 2013 OCO</b>   | <b>FY 2013 Total</b> | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016</b>                          | <b>FY 2017</b> | <b>Cost To Complete</b> | <b>Total Cost</b> |
| P002: <i>Homeland</i>  | 14.347         | 25.000         | 6.000               | -  | 6.000                | -              | -              | -                                       | -              | Continuing              | Continuing        |
| Quantity of RDT&E Articles   |                |                |                     |  |                      |                |                |   |                |                         |                   |
| <b>A. Mission Description and Budget Item Justification</b>  |                |                |                     |  |                      |                |                |   |                |                         |                   |
| <p>The Joint Integrated Air and Missile Defense Organization (JIAMDO) is the organization within the Department of Defense (DOD) chartered to plan, coordinate, and oversee Joint Air and Missile Defense (AMD) requirements, joint operational concepts, and operational architectures. As part of the CJCS staff, JIAMDO supports the Chairman in meeting his Title 10 responsibilities as they relate to air and missile defense issues. JIAMDO serves as the operational community's proponent for characteristics, requirements, and capabilities in air and missile defense, and is the joint air and missile defense resource proponent within the DOD's resource allocation structures. JIAMDO also leads AMD mission area and utility analyses, integrates air and missile defense within the Force Protection joint capability area, and conducts evaluations and demonstrations of joint air and missile defense architectures and concepts.</p> <p>JIAMDO has established a close partnership with Combatant Commands (COCOM) and maintains liaison offices at all major COCOM locations to facilitate coordination of integration issues and requirements. In particular, JIAMDO maintains close coordination with US Strategic Command (USSTRATCOM) in support of ballistic missile defense of the US. It provides the Chairman, JCS and the Joint Requirements Oversight Council (JROC) the ability to meet statutory responsibilities to review the cost, schedule and performance criteria of Missile Defense Agency (MDA) missile defense programs, and assesses the validity of those criteria in relation to national and military requirements. At the request of USSTRATCOM, and at the direction of the CJCS, JIAMDO supports USSTRATCOM in the conduct of Military Utility Assessments and analysis of the Ballistic Missile Defense System (BMDS). JIAMDO supports the USSTRATCOM mission by ensuring operational and technical requirements are integrated into the theater missile warning architecture. JIAMDO represents the Joint Staff in work on the AMD Capabilities Based Assessment Joint Service Team. JIAMDO also provides direct support to US Northern Command (USNORTHCOM) for homeland air surveillance issues.</p> |                |                |                     |  |                      |                |                |   |                |                         |                   |
| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  |                |                |                     |  |                      |                |                | <b>FY 2011</b>                          | <b>FY 2012</b> | <b>FY 2013</b>          |                   |
| <b>Title:</b> Homeland   |                |                |                     |  |                      |                |                | 14.347                                  | 25.000         | 6.000                   |                   |
| <b>Description:</b> Develop Homeland Surveillance technologies to enable Joint Integrated Air and Missile Defense.   |                |                |                     |  |                      |                |                |   |                |                         |                   |
| <b>FY 2011 Accomplishments:</b><br>Perform technology development efforts. Specific details of this project are classified.  |                |                |                     |  |                      |                |                |   |                |                         |                   |
| <b>FY 2012 Plans:</b><br>Perform technology development efforts. Specific details of this project are classified.  |                |                |                     |  |                      |                |                |   |                |                         |                   |
| <b>FY 2013 Plans:</b><br>Perform technology development efforts. Specific details of this project are classified.  |                |                |                     |  |                      |                |                |   |                |                         |                   |
| <b>Accomplishments/Planned Programs Subtotals</b>  |                |                |                     |  |                      |                |                | 14.347                                  | 25.000         | 6.000                   |                   |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 The Joint Staff  |  | <b>DATE:</b> February 2012              |
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| <b>C. Other Program Funding Summary (\$ in Millions)</b><br>N/A  |  |   |
| <b>D. Acquisition Strategy</b><br>Not required for Budget Activities 1, 2, 3 and 6.  |  |   |
| <b>E. Performance Metrics</b><br>Details of this project are classified.   |  |   |

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| COST (\$ in Millions)   | FY 2011 | FY 2012 | FY 2013 Base | FY 2013 OCO  | FY 2013 Total | FY 2014 | FY 2015 | FY 2016                     | FY 2017 | Cost To Complete | Total Cost |
| P003: Black Dart  | 3.833   | 5.000   | 4.000        | -  | 4.000         | 3.374   | 3.374   | 3.374                       | 3.000   | Continuing       | Continuing |
| Quantity of RDT&E Articles  |         |         |              |  |               |         |         |                             |         |                  |            |
| A. Mission Description and Budget Item Justification  |         |         |              |  |               |         |         |                             |         |                  |            |
| The Joint Integrated Air and Missile Defense Organization (JIAMDO), is the organization within the Department of Defense (DOD) chartered to plan, coordinate, and oversee Joint Air and Missile Defense (AMD) requirements, joint operational concepts, and operational architectures. As part of the CJCS staff, JIAMDO supports the Chairman in meeting his Title 10 responsibilities as they relate to air and missile defense issues. JIAMDO serves as the operational community's proponent for characteristics, requirements, and capabilities in air and missile defense, and is the joint air and missile defense resource proponent within the DOD's resource allocation structures. JIAMDO also leads AMD mission area and utility analyses, integrates air and missile defense within the Force Protection joint capability area, and conducts evaluations and demonstrations of joint air and missile defense architectures and concepts.   |         |         |              |  |               |         |         |                             |         |                  |            |
| JIAMDO has established a close partnership with Combatant Commands (COCOM) and maintains liaison offices at all major COCOM locations to facilitate coordination of integration issues and requirements. In particular, JIAMDO maintains close coordination with US Strategic Command (USSTRATCOM) in support of ballistic missile defense of the US. It provides the Chairman, JCS and the Joint Requirements Oversight Council (JROC) the ability to meet statutory responsibilities to review the cost, schedule and performance criteria of Missile Defense Agency (MDA) missile defense programs, and assesses the validity of those criteria in relation to national and military requirements. At the request of USSTRATCOM, and at the direction of the CJCS, JIAMDO supports USSTRATCOM in the conduct of Military Utility Assessments and analysis of the Ballistic Missile Defense System (BMDS). JIAMDO supports the USSTRATCOM mission by ensuring operational and technical requirements are integrated into the theater missile warning architecture. JIAMDO represents the Joint Staff in work on the AMD Capabilities Based Assessment Joint Service Team. JIAMDO also provides direct support to US Northern Command (USNORTHCOM) for homeland air surveillance issues. |         |         |              |  |               |         |         |                             |         |                  |            |
| B. Accomplishments/Planned Programs (\$ in Millions)  |         |         |              |  |               |         |         | FY 2011                     | FY 2012 | FY 2013          |            |
| Title: JIAMDO Black Dart  |         |         |              |  |               |         |         | 3.833                       | 5.000   | 4.000            |            |
| Description: Provides funding to support administration and execution of Black Dart demonstrations. Black Dart is a joint agency demonstration which focuses on rapid development and implementation of UAV technology from readily-available commercial products.  |         |         |              |  |               |         |         |                             |         |                  |            |
| FY 2011 Accomplishments:<br>Detect, ID, and interdict UAV’s demonstration event and supporting analysis (includes targets). Assess C-UAS across IAMD kill chain in littoral/ maritime environment, quantify detection and track performance, understand C-UAS aspects of IAMD architecture, establish operational / technical performance, enable Allied/Coalition participation, determine environmental impacts, increase fidelity of threat representations and emissions  |         |         |              |  |               |         |         |                             |         |                  |            |
| FY 2012 Plans:  |         |         |              |  |               |         |         |                             |         |                  |            |



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| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  |  | <b>FY 2011</b>                            | <b>FY 2012</b> |
| Assess C-UAS across IAMD kill chain in littoral/ maritime environment. Quantify identification performance. Understand C-UAS aspects of IAMD architecture. Establish operational / technical performance. Enable Allied/Coalition participation. Determine environmental impacts. Increase fidelity of threat representations' size & performance. Use US systems as surrogates. |  |   |                |
| <b>FY 2013 Plans:</b><br>Increase fidelity of threat representations' size & performance. Use US systems as surrogates.  |  |   |                |
| <b>Accomplishments/Planned Programs Subtotals</b>  |  | 3.833                                     | 5.000          |
| <b>C. Other Program Funding Summary (\$ in Millions)</b><br>N/A  |  |   |                |
| <b>D. Acquisition Strategy</b><br>Not required for Budget Activities 1, 2, 3 and 6.  |  |   |                |
| <b>E. Performance Metrics</b><br><ul style="list-style-type: none"> <li>- Complete events within schedule and budget. Events provide useful data to improve C-UAS capability</li> <li>- Document gaps, develop &amp; substantiate hardware, software and employment concepts</li> <li>- Field C-UAS capability</li> </ul>  |  |   |                |

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|---|---------|---------|--------------|--|---------------|---------|---------|--|---------------------|------------------|------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2013 The Joint Staff  |         |         |              |  |               |         |         |  | DATE: February 2012 |                  |            |
| APPROPRIATION/BUDGET ACTIVITY<br>0400: Research, Development, Test & Evaluation, Defense-Wide<br>BA 6: RDT&E Management Support |         |         |              | R-1 ITEM NOMENCLATURE<br>PE 0605126J: Joint Integrated Air & Missile Defense Organization (JIAMDO) |               |         |         | PROJECT<br>P004: Joint Distributed Engineering Plant |                     |                  |            |
| COST (\$ in Millions)   | FY 2011 | FY 2012 | FY 2013 Base | FY 2013 OCO  | FY 2013 Total | FY 2014 | FY 2015 | FY 2016  | FY 2017             | Cost To Complete | Total Cost |
| P004: Joint Distributed Engineering Plant   | 4.785   | 8.927   | 3.250        | -  | 3.250         | 3.250   | 3.250   | 3.374  | 3.000               | Continuing       | Continuing |
| Quantity of RDT&E Articles  |         |         |              |  |               |         |         |  |                     |                  |            |

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

The Joint Integrated Air and Missile Defense Organization (JIAMDO) is the organization within the Department of Defense (DOD) chartered to plan, coordinate, and oversee Joint Air and Missile Defense (AMD) requirements, joint operational concepts, and operational architectures. As part of the CJCS staff, JIAMDO supports the Chairman in meeting his Title 10 responsibilities as they relate to air and missile defense issues. JIAMDO serves as the operational community's proponent for characteristics, requirements, and capabilities in air and missile defense, and is the joint air and missile defense resource proponent within the DOD's resource allocation structures. JIAMDO also leads AMD mission area and utility analyses, integrates air and missile defense within the Force Protection joint capability area, and conducts evaluations and demonstrations of joint air and missile defense architectures and concepts.

JIAMDO has established a close partnership with Combatant Commands (COCOM) and maintains liaison offices at all major COCOM locations to facilitate coordination of integration issues and requirements. In particular, JIAMDO maintains close coordination with US Strategic Command (USSTRATCOM) in support of ballistic missile defense of the US. It provides the Chairman, JCS and the Joint Requirements Oversight Council (JROC) the ability to meet statutory responsibilities to review the cost, schedule and performance criteria of Missile Defense Agency (MDA) missile defense programs, and assesses the validity of those criteria in relation to national and military requirements. At the request of USSTRATCOM, and at the direction of the CJCS, JIAMDO supports USSTRATCOM in the conduct of Military Utility Assessments and analysis of the Ballistic Missile Defense System (BMDS). JIAMDO supports the USSTRATCOM mission by ensuring operational and technical requirements are integrated into the theater missile warning architecture. JIAMDO represents the Joint Staff in work on the AMD Capabilities Based Assessment Joint Service Team. JIAMDO also provides direct support to US Northern Command (USNORTHCOM) for homeland air surveillance issues and for capabilities development and validation in support of the Unified Command Plan (UCP) assigned missions.

**B. Accomplishments/Planned Programs (\$ in Millions)**

|   | <b>FY 2011</b> | <b>FY 2012</b> | <b>FY 2013</b> |
|---|----------------|----------------|----------------|
| <b>Title:</b> Joint Distributed Engineering Plant (JDEP)  | 4.785          | 8.927          | 3.250          |
| <b>Description:</b> Evaluates and improves interoperability by establishing and using a distributed, nationwide, hardware and software in-the-loop simulation capability that allows proposed combat capabilities and field combat weapon systems to operate in operationally representative, synthetic joint air and missile defense environments. |                |                |                |
| <b>FY 2011 Accomplishments:</b><br>Fund approximately ten joint distributed test events. Execute coalition test event with UK. Provide users the means to create SoS environments by linking existing capabilities using hardware, software, and operator-in-the-loop. Link existing Service and  |                |                |                |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 The Joint Staff   |  | <b>DATE:</b> February 2012   |                |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i><br>BA 6: <i>RDT&amp;E Management Support</i>  | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0605126J: <i>Joint Integrated Air &amp; Missile Defense Organization (JIAMDO)</i> | <b>PROJECT</b><br>P004: <i>Joint Distributed Engineering Plant</i> |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>   |  | <b>FY 2011</b>   | <b>FY 2012</b> |
| Joint combat system engineering and test sites via distributed communications. Reduce costs and developmental cycle times by leveraging existing facilities and additional efforts determined by Service/COCOM priorities.<br><br><b>FY 2012 Plans:</b><br>Fund approximately ten joint distributed test events. Execute coalition test event with UK, provide users the means to create SoS environments by linking existing capabilities using hardware, software, and operator-in-the-loop. Link existing Service and Joint combat system engineering and test sites via distributed communications. Reduce costs and developmental cycle times by leveraging existing facilities.<br><br><b>FY 2013 Plans:</b><br>Reduce costs and developmental cycle times by leveraging existing facilities. |  |  |                |
| <b>Accomplishments/Planned Programs Subtotals</b>   |  | 4.785  | 8.927          |
| <b>C. Other Program Funding Summary (\$ in Millions)</b>  |  |  |                |
| N/A   |  |  |                |
| <b>D. Acquisition Strategy</b>  |  |  |                |
| Not required for Budget Activities 1, 2, 3 and 6.   |  |  |                |
| <b>E. Performance Metrics</b>   |  |  |                |
| <ul style="list-style-type: none"> <li>- Each JDEP event develops measures of effectiveness (MOE) &amp; measures of performance (MOP) based on a eighteen month test planning and event process</li> <li>- Complete events within schedule and budget</li> <li>- Events provide useful data to improve AMD interoperability, with implemented corrective changes</li> </ul>   |  |  |                |

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| Exhibit R-2A, RDT&E Project Justification: PB 2013 The Joint Staff  |         |         |              |  |               |         |         | DATE: February 2012          |         |                  |            |
| APPROPRIATION/BUDGET ACTIVITY<br>0400: Research, Development, Test & Evaluation, Defense-Wide<br>BA 6: RDT&E Management Support   |         |         |              | R-1 ITEM NOMENCLATURE<br>PE 0605126J: Joint Integrated Air & Missile Defense Organization (JIAMDO) |               |         |         | PROJECT<br>P005: Nimble Fire |         |                  |            |
| COST (\$ in Millions)   | FY 2011 | FY 2012 | FY 2013 Base | FY 2013 OCO  | FY 2013 Total | FY 2014 | FY 2015 | FY 2016                      | FY 2017 | Cost To Complete | Total Cost |
| P005: Nimble Fire   | 11.692  | 13.340  | 10.500       | -  | 10.500        | 10.690  | 10.690  | 10.750                       | 10.750  | Continuing       | Continuing |
| Quantity of RDT&E Articles  |         |         |              |  |               |         |         |                              |         |                  |            |
| A. Mission Description and Budget Item Justification  |         |         |              |  |               |         |         |                              |         |                  |            |
| <p>The Joint Integrated Air and Missile Defense Organization (JIAMDO) is the organization within the Department of Defense (DOD) chartered to plan, coordinate, and oversee Joint Air and Missile Defense (AMD) requirements, joint operational concepts, and operational architectures. As part of the CJCS staff, JIAMDO supports the Chairman in meeting his Title 10 responsibilities as they relate to air and missile defense issues. JIAMDO serves as the operational community's proponent for characteristics, requirements, and capabilities in air and missile defense, and is the joint air and missile defense resource proponent within the DOD's resource allocation structures. JIAMDO also leads AMD mission area and utility analyses, integrates air and missile defense within the Force Protection joint capability area, and conducts evaluations and demonstrations of joint air and missile defense architectures and concepts.</p>   |         |         |              |  |               |         |         |                              |         |                  |            |
| <p>JIAMDO has established a close partnership with Combatant Commands (COCOMs) and maintains liaison offices at all major COCOM locations to facilitate coordination of integration issues and requirements. In particular, JIAMDO maintains close coordination with US Strategic Command (USSTRATCOM) in support of ballistic missile defense of the US. It provides the Chairman, JCS and the Joint Requirements Oversight Council (JROC) the ability to meet statutory responsibilities to review the cost, schedule and performance criteria of Missile Defense Agency (MDA) missile defense programs, and assesses the validity of those criteria in relation to national and military requirements. At the request of USSTRATCOM, and at the direction of the CJCS, JIAMDO supports USSTRATCOM in the conduct of Military Utility Assessments and analysis of the Ballistic Missile Defense System (BMDS). JIAMDO supports the USSTRATCOM mission by ensuring operational and technical requirements are integrated into the theater missile warning architecture. JIAMDO represents the Joint Staff in work on the AMD Capabilities Based Assessment Joint Service Team. JIAMDO also provides direct support to US Northern Command (USNORTHCOM) for homeland air surveillance issues.</p> |         |         |              |  |               |         |         |                              |         |                  |            |
| B. Accomplishments/Planned Programs (\$ in Millions)  |         |         |              |  |               |         |         | FY 2011                      | FY 2012 | FY 2013          |            |
| Title: JIAMDO Nimble Fire   |         |         |              |  |               |         |         | 11.692                       | 13.340  | 10.500           |            |
| Description: The Department's only joint air and missile defense operator-in-the-loop simulation. Comprised of current and future land, sea, and air weapon systems representing each of the Services AMD capabilities. Operational personnel execute full mission scenarios in a realistic joint environment. Distributed simulation in CONUS and overseas. Enhances air and missile defense capability through the integration of robust representations of current and emerging weapons platform models that support operator-in-the-loop exercises.   |         |         |              |  |               |         |         |                              |         |                  |            |
| FY 2011 Accomplishments:  |         |         |              |  |               |         |         |                              |         |                  |            |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 The Joint Staff  |  | <b>DATE:</b> February 2012                 |                |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i><br>BA 6: <i>RDT&amp;E Management Support</i>   | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0605126J: <i>Joint Integrated Air &amp; Missile Defense Organization (JIAMDO)</i> | <b>PROJECT</b><br>P005: <i>Nimble Fire</i> |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  |  | <b>FY 2011</b>                             | <b>FY 2012</b> |
| Purchase and upgrade Army PATRIOT/SLAMRAAM/MEADS and JLENS simulators. Enhanced Electronic Attack capabilities and composite tracking on JLENS. Add 4 F-35 Joint Strike Fighter cockpits for USMC forces. Support impacts of Electronic Attack in PACOM AOR from Asymmetric Missile Attack. Executing 3 operator in the loop events.<br><br><b>FY 2012 Plans:</b><br>Continue to purchase and upgrade Army PATRIOT/SLAMRAAM/MEADS and JLENS simulators. Enhance Electronic Attack capabilities and composite tracking on JLENS. Add 4 F-35 Joint Strike Fighter cockpits for USMC forces. Support impacts of Electronic Attack in PACOM AOR from Asymmetric Missile Attack. Execute 3 operator in the loop events.<br><br><b>FY 2013 Plans:</b><br>Continue to purchase and upgrade Army PATRIOT/SLAMRAAM/MEADS and JLENS simulators. Enhance Electronic Attack capabilities and composite tracking on JLENS. Add 4 F-35 Joint Strike Fighter cockpits for USMC forces. Support impacts of Electronic Attack in PACOM AOR from Asymmetric Missile Attack. Execute 3 operator in the loop events. |  |  |                |
| <b>Accomplishments/Planned Programs Subtotals</b>  |  | 11.692                                     | 13.340         |
| <b>C. Other Program Funding Summary (\$ in Millions)</b>   |  |  |                |
| N/A  |  |  |                |
| <b>D. Acquisition Strategy</b>   |  |  |                |
| Not required for Budget Activities 1, 2, 3 and 6.  |  |  |                |
| <b>E. Performance Metrics</b>  |  |  |                |
| - Complete events within schedule and budget<br>- Specific details are classified  |  |  |                |

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|---|---------|---------|--------------|--|---------------|---------|---------|---|---------------------|------------------|------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2013 The Joint Staff  |         |         |              |  |               |         |         |   | DATE: February 2012 |                  |            |
| APPROPRIATION/BUDGET ACTIVITY<br>0400: Research, Development, Test & Evaluation, Defense-Wide<br>BA 6: RDT&E Management Support |         |         |              | R-1 ITEM NOMENCLATURE<br>PE 0605126J: Joint Integrated Air & Missile Defense Organization (JIAMDO) |               |         |         | PROJECT<br>P006: Cruise Missile Combat Identification (CID) |                     |                  |            |
| COST (\$ in Millions)   | FY 2011 | FY 2012 | FY 2013 Base | FY 2013 OCO  | FY 2013 Total | FY 2014 | FY 2015 | FY 2016   | FY 2017             | Cost To Complete | Total Cost |
| P006: Cruise Missile Combat Identification (CID)  | 12.016  | 18.217  | 9.250        | -  | 9.250         | 8.526   | 8.526   | 8.558   | 8.568               | Continuing       | Continuing |
| Quantity of RDT&E Articles  |         |         |              |  |               |         |         |   |                     |                  |            |

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

The Joint Integrated Air and Missile Defense Organization (JIAMDO) is the organization within the Department of Defense (DOD) chartered to plan, coordinate, and oversee Joint Air and Missile Defense (AMD) requirements, joint operational concepts, and operational architectures. As part of the CJCS staff, JIAMDO supports the Chairman in meeting his Title 10 responsibilities as they relate to air and missile defense issues. JIAMDO serves as the operational community's proponent for characteristics, requirements, and capabilities in air and missile defense, and is the joint air and missile defense resource proponent within the DOD's resource allocation structures. JIAMDO also leads AMD mission area and utility analyses, integrates air and missile defense within the Force Protection joint capability area, and conducts evaluations and demonstrations of joint air and missile defense architectures and concepts.

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**B. Accomplishments/Planned Programs (\$ in Millions)**

|  | <b>FY 2011</b> | <b>FY 2012</b> | <b>FY 2013</b> |
|--|----------------|----------------|----------------|
| <b>Title:</b> Cruise Missile Combat Identification (CID)   | 12.016         | 18.217         | 9.250          |
| <b>Description:</b> Develops joint cruise missile CID technology, and positions it for fielding on front-line weapon systems. Monitors, assesses, and enhances joint AMD Combat ID programs. |                |                |                |
| <b>FY 2011 Accomplishments:</b><br>Details of this program are classified.   |                |                |                |
| <b>FY 2012 Plans:</b><br>Details of this program are classified.   |                |                |                |
| <b>FY 2013 Plans:</b>  |                |                |                |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 The Joint Staff  |  | <b>DATE:</b> February 2012   |                |   |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i><br>BA 6: <i>RDT&amp;E Management Support</i> |  | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0605126J: <i>Joint Integrated Air &amp; Missile Defense Organization (JIAMDO)</i> |                | <b>PROJECT</b><br>P006: <i>Cruise Missile Combat Identification (CID)</i> |
| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  |  | <b>FY 2011</b>   | <b>FY 2012</b> | <b>FY 2013</b>  |
| Details of this program are classified.  |  |  |                |   |
| <b>Accomplishments/Planned Programs Subtotals</b>  |  | 12.016   | 18.217         | 9.250   |
| <b>C. Other Program Funding Summary (\$ in Millions)</b><br>N/A  |  |  |                |   |
| <b>D. Acquisition Strategy</b><br>Not required for Budget Activities 1, 2, 3 and 6.  |  |  |                |   |
| <b>E. Performance Metrics</b><br>Details of this program are classified.   |  |  |                |   |

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