UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Office of Secretary Of Defense

DATE: February 2011

APPROPRIATION/BUDGET ACTIVITY

0400: Research, Development, Test & Evaluation, Defense-Wide
BA 6: RDT&E Management Support

R-1 ITEM NOMENCLATURE

PE 0305193D8Z: Intelligence Support to Information Operations

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>001: E-Space</td>
<td>1.012</td>
<td>0.550</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Continuing</td>
<td>Continuing</td>
</tr>
<tr>
<td>002: Human Factors Analysis</td>
<td>1.581</td>
<td>1.607</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Continuing</td>
<td>Continuing</td>
</tr>
<tr>
<td>004: IO Indications and Warning</td>
<td>4.981</td>
<td>5.081</td>
<td>5.182</td>
<td>-</td>
<td>5.182</td>
<td>5.286</td>
<td>5.392</td>
<td>5.500</td>
<td>5.804</td>
<td>Continuing</td>
<td>Continuing</td>
</tr>
</tbody>
</table>

A. Mission Description and Budget Item Justification

Details provided in Defense-Wide classified book.

B. Program Change Summary ($ in Millions)

<table>
<thead>
<tr>
<th>FY 2010</th>
<th>FY 2011</th>
<th>FY 2012 Base</th>
<th>FY 2012 OCO</th>
<th>FY 2012 Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Previous President's Budget</td>
<td>20.481</td>
<td>21.272</td>
<td>21.746</td>
<td>-</td>
</tr>
<tr>
<td>Total Adjustments</td>
<td>-0.031</td>
<td>-</td>
<td>-6.744</td>
<td>-</td>
</tr>
</tbody>
</table>

- Congressional General Reductions
- Congressional Directed Reductions
- Congressional Rescissions
- Congressional Adds
- Congressional Directed Transfers
- Reprogrammings
- SBIR/STTR Transfer
- Department Adjustment | -0.031  | -            | -0.029       | -             | -0.029       |
- Service Support Contractor adjustment
- JFCOM Efficiencies - Baseline Review. As part of the DOD reform agenda, implements a zero-based review of the organization to align resources to the most critical priorities.
## A. Mission Description and Budget Item Justification

Details provided in Defense-Wide classified book.

## B. Accomplishments/Planned Programs ($ in Millions)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>E-Space</td>
<td>1.012</td>
<td>0.550</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Continuing</td>
<td>Continuing</td>
</tr>
</tbody>
</table>

**Accomplishments/Planned Programs Subtotals**

<table>
<thead>
<tr>
<th></th>
<th>FY 2010</th>
<th>FY 2011</th>
<th>FY 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-Space</td>
<td>1.012</td>
<td>0.550</td>
<td>-</td>
</tr>
</tbody>
</table>

## C. Other Program Funding Summary ($ in Millions)

N/A

## D. Acquisition Strategy

Details provided in Defense-Wide classified book.

## E. Performance Metrics

Performance metrics are measured through internal management controls and external assessments. Performance metrics include, but are not limited to time, money, realism, and fidelity as defined below:

- **Time** – Will the effort enable the warfighter to speed up processes faster than current capabilities allow?
- **Money** – Will the effort enable the warfighter to reduce duplication of effort and to prepare and execute events at a more effective and efficient cost than current capabilities allow?
- **Realism** – Will the effort enable the warfighter to create an environment that is closer to the real world environment than current capabilities allow?
### UNCLASSIFIED

**Exhibit R-2A, RDT&E Project Justification:** PB 2012 Office of Secretary Of Defense  
**DATE:** February 2011

<table>
<thead>
<tr>
<th>APPROPRIATION/BUDGET ACTIVITY</th>
<th>R-1 ITEM NOMENCLATURE</th>
<th>PROJECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0400: Research, Development, Test &amp; Evaluation, Defense-Wide</td>
<td>PE 0305193DBZ: Intelligence Support to Information Operations</td>
<td>001: E-Space</td>
</tr>
<tr>
<td>BA 6: RDT&amp;E Management Support</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Fidelity –** Will the effort ensure unity of efforts throughout the Information Operation (IO), Cyber, and Intelligence Operations Integration (IOI) Communities?
UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Office of Secretary Of Defense

<table>
<thead>
<tr>
<th>APPROPRIATION/BUDGET ACTIVITY</th>
<th>R-1 ITEM NOMENCLATURE</th>
<th>PROJECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0400: Research, Development, Test &amp; Evaluation, Defense-Wide</td>
<td>PE 0305193DBZ: Intelligence Support to Information Operations</td>
<td>002: Human Factors Analysis</td>
</tr>
<tr>
<td>BA 6: RDT&amp;E Management Support</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DATE:** February 2011

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>002: Human Factors Analysis</td>
<td>1.581</td>
<td>1.607</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Continuing</td>
<td>Continuing</td>
</tr>
</tbody>
</table>

**Cantidad de Artículos RDT&E**

A. Mission Description and Budget Item Justification
   Details provided in Defense-Wide classified book.

B. Accomplishments/Planned Programs ($ in Millions)
   **Title:** Human Factors Analysis
   **Description:** Details provided in Defense-Wide classified book.

   **FY 2010 Accomplishments:**
   Details provided in Defense-Wide classified book.

   **FY 2011 Plans:**
   Details provided in Defense-Wide classified book.

   **FY 2012 Plans:**
   NA

   **Accomplishments/Planned Programs Subtotals**
<table>
<thead>
<tr>
<th>FY 2010</th>
<th>FY 2011</th>
<th>FY 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.581</td>
<td>1.607</td>
<td>-</td>
</tr>
</tbody>
</table>

C. Other Program Funding Summary ($ in Millions)
   N/A

D. Acquisition Strategy
   Details provided in Defense-Wide classified book.

E. Performance Metrics
   Performance metrics are measured through internal management controls and external assessments. Performance metrics include, but are not limited to time, money, realism, and fidelity as defined below:
   
   - Time – Will the effort enable the warfighter to speed up processes faster than current capabilities allow?
   - Money – Will the effort enable the warfighter to reduce duplication of effort and to prepare and execute events at a more effective and efficient cost than current capabilities allow?
   - Realism – Will the effort enable the warfighter to create an environment that is closer to the real world environment than current capabilities allow?
<table>
<thead>
<tr>
<th>APPROPRIATION/BUDGET ACTIVITY</th>
<th>R-1 ITEM NOMENCLATURE</th>
<th>PROJECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0400: Research, Development, Test &amp; Evaluation, Defense-Wide</td>
<td>PE 0305193DBZ: Intelligence Support to Information Operations</td>
<td>002: Human Factors Analysis</td>
</tr>
</tbody>
</table>

- **Fidelity** – Will the effort ensure unity of efforts throughout the IO, Cyber, and IOI Communities?
UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Office of Secretary Of Defense

DATE: February 2011

APPROPRIATION/BUDGET ACTIVITY
0400: Research, Development, Test & Evaluation, Defense-Wide
BA 6: RDT&E Management Support

R-1 ITEM NOMENCLATURE
PE 0305193DBZ: Intelligence Support to Information Operations

PROJECT
003: IO Intelligence Integration

|---------------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|------------------|------------|

A. Mission Description and Budget Item Justification
   Details provided in Defense-Wide classified book.

B. Accomplishments/Planned Programs ($ in Millions)
   Title: IO Intelligence Integration
   Description: Details provided in Defense-Wide classified book.

   FY 2010 Accomplishments:
   Continue development toward Initial Operation Capability (IOC).
   Continue program development in preparation for Operational Test and Evaluation.
   Efforts underway to establish Milestone Decision Authority and declare Vision as CAT III level program.

   FY 2011 Plans:
   Achieve successful Operational Test and Evaluation of integrative analysis TTPs, methodologies, tools, workflows and business process models.
   Integrate additional intelligence data sources/repositories into Vision SOA.
   Achieve IOC and continue spiral development, integrating new tools and other integrative analysis capabilities towards Full Operational Capabilities (FOC).

   FY 2012 Plans:
   Continue spiral development, integrating new integrative analysis tools, TTPs, methodologies, tools, workflows and business process models towards FOC.
   Identify and integrate additional intelligence data sources/repositories into Vision SOA.
   Continue fielding to COCOMs/Services/Agencies.

   Accomplishments/Planned Programs Subtotals | FY 2010 | FY 2011 | FY 2012 |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>12.876</td>
<td>14.034</td>
<td>9.820</td>
</tr>
</tbody>
</table>
**UNCLASSIFIED**

<table>
<thead>
<tr>
<th>APPROPRIATION/BUDGET ACTIVITY</th>
<th>R-1 ITEM NOMENCLATURE</th>
<th>PROJECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0400: Research, Development, Test &amp; Evaluation, Defense-Wide</td>
<td>PE 0305193D8Z: Intelligence Support to Information Operations</td>
<td>003: IO Intelligence Integration</td>
</tr>
<tr>
<td>BA 6: RDT&amp;E Management Support</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

N/A

**D. Acquisition Strategy**

Details provided in Defense-Wide classified book.

**E. Performance Metrics**

Performance metrics are measured through internal management controls and external assessments. Performance metrics include, but are not limited to time, money, realism, and fidelity as defined below:

- **Time** – Will the effort enable the warfighter to speed up processes faster than current capabilities allow?
- **Money** – Will the effort enable the warfighter to reduce duplication of effort and to prepare and execute events at a more effective and efficient cost than current capabilities allow?
- **Realism** – Will the effort enable the warfighter to create an environment that is closer to the real world environment than current capabilities allow?
- **Fidelity** – Will the effort ensure unity of efforts throughout the IO, Cyber, and IOI Communities?
Exhibit R-2A, RDT&E Project Justification: PB 2012 Office of Secretary Of Defense

APPROPRIATION/BUDGET ACTIVITY
0400: Research, Development, Test & Evaluation, Defense-Wide
BA 6: RDT&E Management Support

R-1 ITEM NOMENCLATURE
PE 0305193DBZ: Intelligence Support to Information Operations

PROJECT
004: IO Indications and Warning

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>004: IO Indications and Warning</td>
<td>4.981</td>
<td>5.081</td>
<td>5.182</td>
<td>-</td>
<td>5.182</td>
<td>5.286</td>
<td>5.392</td>
<td>5.500</td>
<td>5.804</td>
<td>Continuing</td>
<td>Continuing</td>
</tr>
</tbody>
</table>

A. Mission Description and Budget Item Justification
   Details provided in Defense-Wide classified book.

B. Accomplishments/Planned Programs ($ in Millions)
   Title: Information Operations Indications and Warning
   Details provided in Defense-Wide classified book.
   Description: Details provided in Defense-Wide classified book.

   FY 2010 Accomplishments:
   Details provided in Defense-Wide classified book.
   FY 2011 Plans:
   Details provided in Defense-Wide classified book.
   FY 2012 Plans:
   Details provided in Defense-Wide classified book.

   Accomplishments/Planned Programs Subtotals 4.981 5.081 5.182

C. Other Program Funding Summary ($ in Millions)
   N/A

D. Acquisition Strategy
   Details provided in Defense-Wide classified book.

E. Performance Metrics
   Performance metrics are measured through internal management controls and external assessments. Performance metrics include, but are not limited to time, money, realism, and fidelity as defined below:
   • Time – Will the effort enable the warfighter to speed up processes faster than current capabilities allow?
   • Money – Will the effort enable the warfighter to reduce duplication of effort and to prepare and execute events at a more effective and efficient cost than current capabilities allow?
   • Realism – Will the effort enable the warfighter to create an environment that is closer to the real world environment than current capabilities allow?
**UNCLASSIFIED**

<table>
<thead>
<tr>
<th>APPROPRIATION/BUDGET ACTIVITY</th>
<th>R-1 ITEM NOMENCLATURE</th>
<th>PROJECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0400: Research, Development, Test &amp; Evaluation, Defense-Wide</td>
<td>PE 0305193D8Z: Intelligence Support to Information Operations</td>
<td>004: IO Indications and Warning</td>
</tr>
<tr>
<td>BA 6: RDT&amp;E Management Support</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Fidelity – Will the effort ensure unity of efforts throughout the IO, Cyber, and IOI Communities?