

CLASSIFICATION:

UNCLASSIFIED

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|--|---------|---------|---------|---------|---|---------|---------------|---------|
| EXHIBIT R-2, RDT&E Budget Item Justification | | | | | | | DATE: | |
| | | | | | | | February 2003 | |
| APPROPRIATION/BUDGET ACTIVITY | | | | | R-1 ITEM NOMENCLATURE | | | |
| RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-7 | | | | | 0305208N Distributed Common Ground Systems (DCGS) | | | |
| COST (\$ in Millions) | FY 2002 | FY 2003 | FY 2004 | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 |
| Total PE Cost | 7.093 | 8.518 | 4.421 | 3.647 | 3.704 | 3.770 | 3.851 | 3.922 |
| A2174 CIGSS (JSIPS-N) | 4.326 | 4.322 | 4.421 | 3.647 | 3.704 | 3.770 | 3.851 | 3.922 |
| A9118 Prec Targeting Sys Modernization | 2.767 | | | | | | | |
| A9157 Cross Program DCGS-N Integration | | 2.927 | | | | | | |
| A9158 Converged Architecture for NFN | | 1.269 | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| <p>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Includes Congressional adds: \$2.8 million in FY 2002 for Precision Targeting System Modernization, less Congressional undistributed reductions; and \$1.3 million in FY 2003 for Converged Architecture for Naval Fires Network, less Congressional undistributed reductions.</p> <p>The Joint Service Imagery Processing System-Navy (JSIPS-N) is the Navy's portion of the Distributed Common Ground System (DCGS) which is a cooperative effort between the services, agencies, and DoD to provide systems capable of receiving, processing, exploiting, and disseminating data from airborne and national reconnaissance platforms. DCGS is further subdivided into systems which process, exploit, and disseminate Measurements Analysis and Signatures Intelligence (MASINT) data, Signals Intelligence (SIGINT) data, Multi-intelligence Reconnaissance data, and imagery data. Cooperative imagery processing systems are collectively identified under the general heading of Common Imagery Ground/Surface Systems (CIGSS). JSIPS-N is the Navy CIGSS component. JSIPS-N has the capability to receive, process, exploit, store and disseminate imagery, imagery-derived products and imagery intelligence (IMINT) reports based on multiple inputs from multiple sources.</p> <p>The primary mission of JSIPS-N is to assist strike planners, tactical aviators, and Marine Corps amphibious planners in the delivery of precision ordnance (including Tomahawk Cruise Missiles) on target. JSIPS-N includes three major components, the Softcopy Exploitation Segment (SES) consisting of the Digital Imagery Workstation Suite Afloat (DIWSA) and the Precision Targeting Workstation (PTW), the National Input Segment (NIS), and the Tactical Input Segment (TIS). JSIPS-N is being installed onboard aircraft carriers (CV/CVN), amphibious assault ships (LHA/LHD), select fleet flagships (AGF/LCC) and shore sites.</p> <p>Secondary missions of the systems are to provide near-real-time imagery and support to fleet intelligence assets, Special Operations Forces, and to support primary exploitation and dissemination of tactical organic and theater IMINT products.</p> <p>Cross-system DCGS-N integration in support of Time-Sensitive Targeting has been incorporated into existing group modification (GRP MOD) actions comprising the JSIPS-N life cycle modernization plan.</p> | | | | | | | | |

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Exhibit R-2, RDTEN Budget Item Justification
(Exhibit R-2, page 1 of 22)

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| EXHIBIT R-2a, RDT&E Project Justification | | | | | | | DATE: February 2003 | |
| APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7 | PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS) | | | | PROJECT NUMBER AND NAME A2174 CIGSS (JSIPS-N) | | | |
| COST (\$ in Millions) | FY 2002 | FY 2003 | FY 2004 | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 |
| Project Cost | 4.326 | 4.322 | 4.421 | 3.647 | 3.704 | 3.770 | 3.851 | 3.922 |
| RDT&E Articles Qty | | | | | | | | |

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Joint Service Imagery Processing System – Navy (JSIPS-N) is the Navy's portion of the Distributed Common Ground

System (DCGS) which is a cooperative effort between the services, agencies, and DoD to provide systems capable of receiving, processing, exploiting, and disseminating data from airborne and national reconnaissance platforms. DCGS is further subdivided into systems which process, exploit, and disseminate Measurements Analysis and Signatures Intelligence (MASINT) data, Signals Intelligence (SIGINT) data, Multi-Intelligence Reconnaissance data, and Imagery data. Cooperative imagery processing systems are collectively identified under the general heading of Common Imagery Ground/Surface Systems (CIGSS). JSIPS-N is the Navy CIGSS component.

JSIPS-N has the capability to receive, process, exploit, store and disseminate imagery, imagery-derived products and imagery intelligence (IMINT) reports based on multiple inputs from multiple sources. The primary mission of JSIPS-N is to assist strike planners, tactical aviators, and Marine Corps amphibious planners in the delivery of precision ordnance (including Tomahawk Cruise Missiles) on target.

JSIPS-N includes three major components, the Softcopy Exploitation Segment (SES) consisting of the Digital Imagery Workstation Suite Afloat (DIWSA) and the Precision Targeting Workstation (PTW), the National Input Segment (NIS), and the Tactical Input Segment (TIS). JSIPS-N is being installed onboard aircraft carriers (CV/CVN), amphibious assault ships (LHA/LHD), select fleet flagships (AGF/LCC) and shore sites.

Secondary missions of the systems are to provide near-real-time imagery and support to fleet intelligence assets, Special Operations Forces, and to support primary exploitation and dissemination of tactical organic and theater IMINT products.

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| APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7 | PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS) | PROJECT NUMBER AND NAME A2174 CIGSS (JSIPS-N) | | | | | | | | | | | | | | | | | |
| B. Accomplishments/Planned Program | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 30%;"></th><th style="width: 15%;">FY 02</th><th style="width: 15%;">FY 03</th><th style="width: 15%;">FY 04</th><th style="width: 15%;">FY 05</th></tr></thead><tbody><tr><td>Accomplishments/Effort/Subtotal Cost</td><td style="text-align: center;">3.726</td><td style="text-align: center;">4.008</td><td style="text-align: center;">4.106</td><td style="text-align: center;">3.371</td></tr><tr><td>RDT&E Articles Quantity</td><td></td><td></td><td></td><td></td></tr></tbody></table> | | | | | | FY 02 | FY 03 | FY 04 | FY 05 | Accomplishments/Effort/Subtotal Cost | 3.726 | 4.008 | 4.106 | 3.371 | RDT&E Articles Quantity | | | | |
| | FY 02 | FY 03 | FY 04 | FY 05 | | | | | | | | | | | | | | | |
| Accomplishments/Effort/Subtotal Cost | 3.726 | 4.008 | 4.106 | 3.371 | | | | | | | | | | | | | | | |
| RDT&E Articles Quantity | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; min-height: 100px; margin-top: 10px;"></div> | | | | | | | | | | | | | | | | | | | |
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| | FY 02 | FY 03 | FY 04 | FY 05 | | | | | | | | | | | | | | | |
| Accomplishments/Effort/Subtotal Cost | 0.500 | 0.214 | 0.215 | 0.176 | | | | | | | | | | | | | | | |
| RDT&E Articles Quantity | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; min-height: 100px; margin-top: 10px;"></div> | | | | | | | | | | | | | | | | | | | |

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| EXHIBIT R-2a, RDT&E Project Justification | | | DATE: February 2003 | | | | | | | | | | | | | | | | |
|---|--|--|----------------------------|-------|--|-------|-------|-------|-------|--------------------------------------|-------|-------|-------|-------|-------------------------|--|--|--|--|
| APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7 | PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS) | PROJECT NUMBER AND NAME A2174 CIGSS (JSIPS-N) | | | | | | | | | | | | | | | | | |
| B. Accomplishments/Planned Program (Cont.) | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 30%;"></th><th style="width: 15%;">FY 02</th><th style="width: 15%;">FY 03</th><th style="width: 15%;">FY 04</th><th style="width: 15%;">FY 05</th></tr></thead><tbody><tr><td>Accomplishments/Effort/Subtotal Cost</td><td style="text-align: center;">0.100</td><td style="text-align: center;">0.100</td><td style="text-align: center;">0.100</td><td style="text-align: center;">0.100</td></tr><tr><td>RDT&E Articles Quantity</td><td></td><td></td><td></td><td></td></tr></tbody></table> | | | | | | FY 02 | FY 03 | FY 04 | FY 05 | Accomplishments/Effort/Subtotal Cost | 0.100 | 0.100 | 0.100 | 0.100 | RDT&E Articles Quantity | | | | |
| | FY 02 | FY 03 | FY 04 | FY 05 | | | | | | | | | | | | | | | |
| Accomplishments/Effort/Subtotal Cost | 0.100 | 0.100 | 0.100 | 0.100 | | | | | | | | | | | | | | | |
| RDT&E Articles Quantity | | | | | | | | | | | | | | | | | | | |
| Continue Test and Evaluation (T&E) of ongoing system upgrades and modifications. | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 30%;"></th><th style="width: 15%;">FY 02</th><th style="width: 15%;">FY 03</th><th style="width: 15%;">FY 04</th><th style="width: 15%;">FY 05</th></tr></thead><tbody><tr><td>Accomplishments/Effort/Subtotal Cost</td><td></td><td></td><td></td><td></td></tr><tr><td>RDT&E Articles Quantity</td><td></td><td></td><td></td><td></td></tr></tbody></table> | | | | | | FY 02 | FY 03 | FY 04 | FY 05 | Accomplishments/Effort/Subtotal Cost | | | | | RDT&E Articles Quantity | | | | |
| | FY 02 | FY 03 | FY 04 | FY 05 | | | | | | | | | | | | | | | |
| Accomplishments/Effort/Subtotal Cost | | | | | | | | | | | | | | | | | | | |
| RDT&E Articles Quantity | | | | | | | | | | | | | | | | | | | |
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| EXHIBIT R-2a, RDT&E Project Justification | | | DATE: February 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|----------------------------|---------|--|---------|---------|---------|---------|----------|--|--|--|--|------------------------------|-------|-------|-------|-------|--------------------------------|-------|-------|-------|-------|-------------------|--------|--------|--------|--------|------------------------|--|--|--|--|----------------------------------|--------|--|--|--|--|--|--------|--|--|---------------------------|--|--|--|--|--------------------|--|--|--|--|----------------------|--------|--------|--------|--------|----------------|--|--|--|--|----------------------------|--------|--|--------|--------|-------------------------|--|--|--|--|----------|--------|--------|--------|--------|
| APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7 | PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS) | PROJECT NUMBER AND NAME A2174 CIGSS (JSIPS-N) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>C. PROGRAM CHANGE SUMMARY:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: right;">FY 2002</th> <th style="text-align: right;">FY 2003</th> <th style="text-align: right;">FY 2004</th> <th style="text-align: right;">FY 2005</th> </tr> </thead> <tbody> <tr> <td>Funding:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Previous President's Budget:</td> <td style="text-align: right;">4.352</td> <td style="text-align: right;">4.482</td> <td style="text-align: right;">4.532</td> <td style="text-align: right;">3.733</td> </tr> <tr> <td>Current BES/President's Budget</td> <td style="text-align: right;">4.326</td> <td style="text-align: right;">4.322</td> <td style="text-align: right;">4.421</td> <td style="text-align: right;">3.647</td> </tr> <tr> <td>Total Adjustments</td> <td style="text-align: right; border-top: 1px solid black;">-0.026</td> <td style="text-align: right; border-top: 1px solid black;">-0.160</td> <td style="text-align: right; border-top: 1px solid black;">-0.111</td> <td style="text-align: right; border-top: 1px solid black;">-0.086</td> </tr> <tr> <td colspan="5" style="padding-top: 10px;">Summary of Adjustments</td> </tr> <tr> <td> Congressional program reductions</td> <td style="text-align: right;">-0.009</td> <td></td> <td></td> <td></td> </tr> <tr> <td> Congressional undistributed reductions</td> <td></td> <td style="text-align: right;">-0.079</td> <td></td> <td></td> </tr> <tr> <td> Congressional rescissions</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> SBIR/STTR Transfer</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> Economic Assumptions</td> <td style="text-align: right;">-0.012</td> <td style="text-align: right;">-0.081</td> <td style="text-align: right;">-0.102</td> <td style="text-align: right;">-0.079</td> </tr> <tr> <td> Reprogrammings</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> Other Navy/OSD Adjustments</td> <td style="text-align: right;">-0.005</td> <td></td> <td style="text-align: right;">-0.009</td> <td style="text-align: right;">-0.007</td> </tr> <tr> <td> Congressional increases</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> Subtotal</td> <td style="text-align: right; border-top: 1px solid black;">-0.026</td> <td style="text-align: right; border-top: 1px solid black;">-0.160</td> <td style="text-align: right; border-top: 1px solid black;">-0.111</td> <td style="text-align: right; border-top: 1px solid black;">-0.086</td> </tr> </tbody> </table> <p style="margin-top: 20px;">Schedule:</p> <p style="margin-left: 40px;">Not Applicable.</p> <p>Technical:</p> <p style="margin-left: 40px;">Not Applicable.</p> | | | | | | FY 2002 | FY 2003 | FY 2004 | FY 2005 | Funding: | | | | | Previous President's Budget: | 4.352 | 4.482 | 4.532 | 3.733 | Current BES/President's Budget | 4.326 | 4.322 | 4.421 | 3.647 | Total Adjustments | -0.026 | -0.160 | -0.111 | -0.086 | Summary of Adjustments | | | | | Congressional program reductions | -0.009 | | | | Congressional undistributed reductions | | -0.079 | | | Congressional rescissions | | | | | SBIR/STTR Transfer | | | | | Economic Assumptions | -0.012 | -0.081 | -0.102 | -0.079 | Reprogrammings | | | | | Other Navy/OSD Adjustments | -0.005 | | -0.009 | -0.007 | Congressional increases | | | | | Subtotal | -0.026 | -0.160 | -0.111 | -0.086 |
| | FY 2002 | FY 2003 | FY 2004 | FY 2005 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Funding: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Previous President's Budget: | 4.352 | 4.482 | 4.532 | 3.733 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current BES/President's Budget | 4.326 | 4.322 | 4.421 | 3.647 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Adjustments | -0.026 | -0.160 | -0.111 | -0.086 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summary of Adjustments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congressional program reductions | -0.009 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congressional undistributed reductions | | -0.079 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congressional rescissions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SBIR/STTR Transfer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Economic Assumptions | -0.012 | -0.081 | -0.102 | -0.079 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reprogrammings | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other Navy/OSD Adjustments | -0.005 | | -0.009 | -0.007 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congressional increases | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | -0.026 | -0.160 | -0.111 | -0.086 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| EXHIBIT R-2a, RDT&E Project Justification | | | | | | | DATE: February 2003 | | | |
| APPROPRIATION/BUDGET ACTIVITY RDTE, N / BA-7 | | | PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS) | | | PROJECT NUMBER AND NAME A2174 CIGSS (JSIPS-N) | | | | |

D. OTHER PROGRAM FUNDING SUMMARY:

| <u>Line Item No. & Name</u> | <u>FY 2002</u> | <u>FY 2003</u> | <u>FY 2004</u> | <u>FY 2005</u> | <u>FY 2006</u> | <u>FY 2007</u> | <u>FY 2008</u> | <u>FY 2009</u> | <u>To Complete</u> | <u>Total Cost</u> |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|-------------------|
| OPN, BLI 291400 Common Imagery Ground Support/Systems (CIGSS) | 56.894 | 51.330 | 60.600 | 53.302 | 72.941 | 74.339 | 60.534 | 61.628 | Continuing | Continuing |

E. ACQUISITION STRATEGY: *

The production system consists of three elements, the Softcopy Exploitation System (SES) consisting of the Digital Imagery Workstation Suite Afloat (DIWSA) and the Precision Targeting Workstation (PTW), the National Input Segment (NIS) and Tactical Input Segment (TIS). The DIWSA is already in full rate co-production with other programs, most notably Tomahawk's mission planning systems. The NIS is also in full rate production and supplied as Government Furnished Equipment (GFE) by the National Imagery and Mapping Agency (NIMA SDD). The TIS is acquired from the Air Force Electronic Systems Center (ESC) at Hanscom AFB. The TIS includes a Common Imagery Processor (CIP) that is supplied as GFE to the integrating contractor. The system integrator for the Navy system is the Space and Naval Warfare Systems Command.

F. MAJOR PERFORMERS: **

* Not required for Budget Activities 1,2,3, and 6
 ** Required for DON and OSD submit only.

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| Exhibit R-3 Cost Analysis (page 1) | | | | | | | | DATE: February 2003 | | | | |
|------------------------------------|------------------------|--------------------------------|---|------------|------------------|-------------------------|------------------|----------------------------|------------------|------------------|------------|--------------------------|
| APPROPRIATION/BUDGET ACTIVITY | | | PROGRAM ELEMENT | | | PROJECT NUMBER AND NAME | | | | | | |
| RDT&E, N / BA-7 | | | 0305208N Distributed Common Ground Systems (DCGS) | | | A2174 CIGSS (JSIPS-N) | | | | | | |
| Cost Categories | Contract Method & Type | Performing Activity & Location | Total PY s Cost | FY 03 Cost | FY 03 Award Date | FY 04 Cost | FY 04 Award Date | FY 05 Cost | FY 05 Award Date | Cost to Complete | Total Cost | Target Value of Contract |
| Primary Hardware Development | | | | | | | | | | | | |
| Ancillary Hardware Development | | | | | | | | | | | | |
| Aircraft Integration | | | | | | | | | | | | |
| Ship Integration | | | | | | | | | | | | |
| Ship Suitability | | | | | | | | | | | | |
| Systems Engineering | | | | | | | | | | | | |
| Training Development | | | | | | | | | | | | |
| Licenses | | | | | | | | | | | | |
| Tooling | | | | | | | | | | | | |
| GFE | | | | | | | | | | | | |
| Award Fees | | | | | | | | | | | | |
| Subtotal Product Development | | | 0.000 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | |
| Remarks: | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Development Support | | | | | | | | | | | | |
| Software Development | MIPR | Various | 18.502 | 4.222 | 11/02 | 4.321 | 11/03 | 3.547 | 11/04 | Continuing | Continuing | |
| Integrated Logistics Support | | | | | | | | | | | | |
| Configuration Management | | | | | | | | | | | | |
| Technical Data | | | | | | | | | | | | |
| Studies & Analyses | | | | | | | | | | | | |
| GFE | | | | | | | | | | | | |
| Award Fees | | | | | | | | | | | | |
| Subtotal Support | | | 18.502 | 4.222 | | 4.321 | | 3.547 | | Continuing | Continuing | |
| Remarks: | | | | | | | | | | | | |
| | | | | | | | | | | | | |

UNCLASSIFIED

CLASSIFICATION:

| Exhibit R-3 Cost Analysis (page 2) | | | | | | | | | DATE: February 2003 | | | |
|------------------------------------|------------------------|--------------------------------|---|------------|------------------|-------------------------|------------------|------------|---------------------|------------------|------------|--------------------------|
| APPROPRIATION/BUDGET ACTIVITY | | | PROGRAM ELEMENT | | | PROJECT NUMBER AND NAME | | | | | | |
| RDT&E, N / BA-7 | | | 0305208N Distributed Common Ground Systems (DCGS) | | | A2174 CIGSS (JSIPS-N) | | | | | | |
| Cost Categories | Contract Method & Type | Performing Activity & Location | Total PY s Cost | FY 03 Cost | FY 03 Award Date | FY 04 Cost | FY 04 Award Date | FY 05 Cost | FY 05 Award Date | Cost to Complete | Total Cost | Target Value of Contract |
| Developmental Test & Evaluation | WX | COMOPTVFOR, VA | 0.375 | 0.100 | 06/03 | 0.100 | 06/04 | 0.100 | 06/05 | Continuing | Continuing | |
| Operational Test & Evaluation | | | | | | | | | | | | |
| Live Fire Test & Evaluation | | | | | | | | | | | | |
| Test Assets | | | | | | | | | | | | |
| Tooling | | | | | | | | | | | | |
| GFE | | | | | | | | | | | | |
| Award Fees | | | | | | | | | | | | |
| Subtotal T&E | | | 0.375 | 0.100 | | 0.100 | | 0.100 | | Continuing | Continuing | |
| Remarks: | | | | | | | | | | | | |
| Contractor Engineering Support | | | | | | | | | | | | |
| Government Engineering Support | | | | | | | | | | | | |
| Program Management Support | | | | | | | | | | | | |
| Travel | | | | | | | | | | | | |
| Transportation | | | | | | | | | | | | |
| SBIR Assessment | | | | | | | | | | | | |
| Subtotal Management | | | 0.000 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | |
| Remarks: | | | | | | | | | | | | |
| Total Cost | | | 18.877 | 4.322 | | 4.421 | | 3.647 | | Continuing | Continuing | |
| Remarks: | | | | | | | | | | | | |

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R-1 SHOPPING LIST - Item No. 208

* Not required for Budget Activities 1, 2, 3, and 6

R-1 SHOPPING LIST - Item No. 208

Exhibit R-4, Schedule Profile
(Exhibit R-4, page 9 of 22)

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CLASSIFICATION:

[illegible]

R-1 SHOPPING LIST - Item No. 208

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Exhibit R-4a, Schedule Detail
(Exhibit R-4a, page 10 of 22)

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CLASSIFICATION:

| | | | | | | | | |
|---|--|---------|---------|---------|---|---------|-------------------------------|---------|
| EXHIBIT R-2a, RDT&E Project Justification | | | | | | | DATE: February 2003 | |
| APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7 | PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS) | | | | PROJECT NUMBER AND NAME A9118 Precision Targeting System Modernization | | | |
| COST (\$ in Millions) | FY 2002 | FY 2003 | FY 2004 | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 |
| Project Cost | 2.767 | | | | | | | |
| RDT&E Articles Qty | | | | | | | | |

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

(U) The Precision Targeting Workstation (PTW) and Digital Imagery Workstation Suite Afloat (DIWSA) make up the Softcopy Exploitation Segment (SES) of JSIPS-N which are used for precision mensuration and exploitation. SES is one of the three major components of JSIPS-N. The other two are the National Input Segment (NIS), used for receipt of national imagery and dissemination of secondary imagery products, and the Tactical input Segment (TIS) used with the Common Imagery jProcessor (CIP) for receipt and processing of tactical/theater imagery.

(U) DIWSA is also utilized by the Afloat Planning Systems (APS), the afloat version of the Tomahawk Theater Mission Planning Center (TMPC). The purpose of APS DIWS is to generate Tomahawk Land Attack Mission (TLAM) specific formatted terminal area navigation products from imagery and support data. DIWS is also used afloat for Precision Guided Munition (PGM) coordinates in support of JSIPS-N.

(U) The FY 2002 funding of \$2.8, less Congressional undistributed reductions, was a Congressional add to accelerate the transition of DIWSA and PTW from TAC-4 type systems to PC-based configuration. The end item is the PTW 5.0 build which combines the functionality of both DIWS and PTW. The PC migration effort started in FY01 under the Tomahawk program and has an IOC of June 2005. This funding accelerates the IOC by two years, June 2003.

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| | | | | |
|---|--|---|-------------------------------|-------|
| EXHIBIT R-2a, RDT&E Project Justification | | | DATE: February 2003 | |
| APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7 | PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS) | PROJECT NUMBER AND NAME A9118 Precision Targeting System Modernization | | |
| B. Accomplishments/Planned Program | | | | |
| | FY 02 | FY 03 | FY 04 | FY 05 |
| Accomplishments/Effort/Subtotal Cost | 2.767 | | | |
| RDT&E Articles Quantity | | | | |
| Transitioned DIWS to PC-Based configuration. | | | | |
| | FY 02 | FY 03 | FY 04 | FY 05 |
| Accomplishments/Effort/Subtotal Cost | | | | |
| RDT&E Articles Quantity | | | | |
| | | | | |
| | FY 02 | FY 03 | FY 04 | FY 05 |
| Accomplishments/Effort/Subtotal Cost | | | | |
| RDT&E Articles Quantity | | | | |
| | | | | |

R-1 SHOPPING LIST - Item No.

208

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| EXHIBIT R-2a, RDT&E Project Justification | | | DATE: February 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|----------------------------|---------|--|---------|---------|---------|---------|----------|--|--|--|--|------------------------------|-------|--|--|--|--------------------------------|-------|--|--|--|-------------------|-------|-------|-------|-------|------------------------|--|--|--|--|----------------------------------|--|--|--|--|--|--------|--|--|--|---------------------------|--|--|--|--|--------------------|--|--|--|--|----------------------|--|--|--|--|----------------|--|--|--|--|-------------------------|-------|--|--|--|----------|-------|-------|-------|-------|
| APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7 | PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS) | PROJECT NUMBER AND NAME A9118 Precision Targeting System Modernization | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>C. PROGRAM CHANGE SUMMARY:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: right;">FY 2002</th> <th style="text-align: right;">FY 2003</th> <th style="text-align: right;">FY 2004</th> <th style="text-align: right;">FY 2005</th> </tr> </thead> <tbody> <tr> <td>Funding:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Previous President's Budget:</td> <td style="text-align: right;">0.000</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Current BES/President's Budget</td> <td style="text-align: right;">2.775</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total Adjustments</td> <td style="text-align: right; border-top: 1px solid black;">2.775</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> </tr> <tr> <td colspan="5" style="padding-top: 10px;">Summary of Adjustments</td> </tr> <tr> <td> Congressional program reductions</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> Congressional undistributed reductions</td> <td style="text-align: right;">-0.033</td> <td></td> <td></td> <td></td> </tr> <tr> <td> Congressional rescissions</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> SBIR/STTR Transfer</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> Economic Assumptions</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> Reprogrammings</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> Congressional increases</td> <td style="text-align: right;">2.800</td> <td></td> <td></td> <td></td> </tr> <tr> <td> Subtotal</td> <td style="text-align: right; border-top: 1px solid black;">2.767</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> </tr> </tbody> </table> <p style="margin-top: 20px;">Schedule:</p> <p style="margin-left: 20px;">Not Applicable.</p> <p>Technical:</p> <p style="margin-left: 20px;">Not Applicable.</p> | | | | | | FY 2002 | FY 2003 | FY 2004 | FY 2005 | Funding: | | | | | Previous President's Budget: | 0.000 | | | | Current BES/President's Budget | 2.775 | | | | Total Adjustments | 2.775 | 0.000 | 0.000 | 0.000 | Summary of Adjustments | | | | | Congressional program reductions | | | | | Congressional undistributed reductions | -0.033 | | | | Congressional rescissions | | | | | SBIR/STTR Transfer | | | | | Economic Assumptions | | | | | Reprogrammings | | | | | Congressional increases | 2.800 | | | | Subtotal | 2.767 | 0.000 | 0.000 | 0.000 |
| | FY 2002 | FY 2003 | FY 2004 | FY 2005 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Funding: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Previous President's Budget: | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current BES/President's Budget | 2.775 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Adjustments | 2.775 | 0.000 | 0.000 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summary of Adjustments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congressional program reductions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congressional undistributed reductions | -0.033 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congressional rescissions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SBIR/STTR Transfer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Economic Assumptions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reprogrammings | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congressional increases | 2.800 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | 2.767 | 0.000 | 0.000 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

R-1 SHOPPING LIST - Item No. 208

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CLASSIFICATION:

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|--|----------------|----------------|---|----------------|----------------|--|----------------|----------------|-----------------------|----------------------|
| EXHIBIT R-2a, RDT&E Project Justification | | | | | | | | DATE: | | |
| | | | | | | | | February 2003 | | |
| APPROPRIATION/BUDGET ACTIVITY | | | PROGRAM ELEMENT NUMBER AND NAME | | | PROJECT NUMBER AND NAME | | | | |
| RDT&E, N / BA-7 | | | 0305208N Distributed Common Ground Systems (DCGS) | | | A9118 Precision Targeting System Modernization | | | | |
| D. OTHER PROGRAM FUNDING SUMMARY: | | | | | | | | | | |
| <u>Line Item No. & Name</u> | <u>FY 2002</u> | <u>FY 2003</u> | <u>FY 2004</u> | <u>FY 2005</u> | <u>FY 2006</u> | <u>FY 2007</u> | <u>FY 2008</u> | <u>FY 2009</u> | To <u>Complete</u> | Total <u>Cost</u> |
| OPN, BLI 291400 Common Imagery Ground Support/Systems (CIGSS) | 56.894 | 51.330 | 60.600 | 53.302 | 72.941 | 74.339 | 60.534 | 61.628 | Continuing | Continuing |
| E. ACQUISITION STRATEGY: | | | | | | | | | | |
| The acquisition strategy for this project is to support the related TMPC acquisition strategy for the completion the PC- based migration effort. | | | | | | | | | | |

R-1 SHOPPING LIST - Item No. 208

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|--|---------|--|---------|---------|---|---------|-------------------------------|---------|
| EXHIBIT R-2a, RDT&E Project Justification | | | | | | | DATE: February 2003 | |
| APPROPRIATION/BUDGET ACTIVITY RDTE, N / BA-7 | | PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS) | | | PROJECT NUMBER AND NAME A9157 Cross Program DCGS-N Integration | | | |
| COST (\$ in Millions) | FY 2002 | FY 2003 | FY 2004 | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 |
| Project Cost | | 2.927 | | | | | | |
| RDT&E Articles Qty | | | | | | | | |
| <p>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</p> <p>(U) Distributed Common Ground System-Navy (DCGS-N) Cross-System Integration implements the fusion of national and joint-service intelligence data in support of Joint Task Force (JTF)-level and component campaign planning, Time-Sensitive Targeting (TST), combat assessment, and combat execution. It applies interoperability standards across common system components within an open architecture environment to enable collaborative Tasking, Processing, Exploitation, and Dissemination (TPED) Navy as well as other service DCGS systems. This capability facilitates dynamic cross-cueing of collection sensors and timely fusion of data collected by networked sensors including spaceborne, airborne, and surface Intelligence, Surveillance, and Reconnaissance (ISR) assets</p> <p>(U) FY03 funding was a Congressional add for Cross-system DCGS-N integration in support of TST which has been incorporated into existing system enhancement actions comprising the JSIPS-N life cycle modernization plan.</p> | | | | | | | | |

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Exhibit R-2a, RDTE Project Justification
(Exhibit R-2a, page 15 of 22)

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| EXHIBIT R-2a, RDT&E Project Justification | | | DATE: February 2003 | | | | | | | | | | | | | | | | |
|---|--|---|-------------------------------|-------|--|-------|-------|-------|-------|--------------------------------------|--|-------|--|--|-------------------------|--|--|--|--|
| APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7 | PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS) | PROJECT NUMBER AND NAME A9157 Cross Program DCGS-N Integration | | | | | | | | | | | | | | | | | |
| B. Accomplishments/Planned Program | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 25%;"></th><th style="width: 15%;">FY 02</th><th style="width: 15%;">FY 03</th><th style="width: 15%;">FY 04</th><th style="width: 15%;">FY 05</th></tr></thead><tbody><tr><td>Accomplishments/Effort/Subtotal Cost</td><td></td><td style="text-align: center;">2.927</td><td></td><td></td></tr><tr><td>RDT&E Articles Quantity</td><td></td><td></td><td></td><td></td></tr></tbody></table> <div style="border: 1px solid black; height: 60px; margin-top: 10px;"></div> | | | | | | FY 02 | FY 03 | FY 04 | FY 05 | Accomplishments/Effort/Subtotal Cost | | 2.927 | | | RDT&E Articles Quantity | | | | |
| | FY 02 | FY 03 | FY 04 | FY 05 | | | | | | | | | | | | | | | |
| Accomplishments/Effort/Subtotal Cost | | 2.927 | | | | | | | | | | | | | | | | | |
| RDT&E Articles Quantity | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 25%;"></th><th style="width: 15%;">FY 02</th><th style="width: 15%;">FY 03</th><th style="width: 15%;">FY 04</th><th style="width: 15%;">FY 05</th></tr></thead><tbody><tr><td>Accomplishments/Effort/Subtotal Cost</td><td></td><td></td><td></td><td></td></tr><tr><td>RDT&E Articles Quantity</td><td></td><td></td><td></td><td></td></tr></tbody></table> <div style="border: 1px solid black; height: 60px; margin-top: 10px;"></div> | | | | | | FY 02 | FY 03 | FY 04 | FY 05 | Accomplishments/Effort/Subtotal Cost | | | | | RDT&E Articles Quantity | | | | |
| | FY 02 | FY 03 | FY 04 | FY 05 | | | | | | | | | | | | | | | |
| Accomplishments/Effort/Subtotal Cost | | | | | | | | | | | | | | | | | | | |
| RDT&E Articles Quantity | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 25%;"></th><th style="width: 15%;">FY 02</th><th style="width: 15%;">FY 03</th><th style="width: 15%;">FY 04</th><th style="width: 15%;">FY 05</th></tr></thead><tbody><tr><td>Accomplishments/Effort/Subtotal Cost</td><td></td><td></td><td></td><td></td></tr><tr><td>RDT&E Articles Quantity</td><td></td><td></td><td></td><td></td></tr></tbody></table> <div style="border: 1px solid black; height: 60px; margin-top: 10px;"></div> | | | | | | FY 02 | FY 03 | FY 04 | FY 05 | Accomplishments/Effort/Subtotal Cost | | | | | RDT&E Articles Quantity | | | | |
| | FY 02 | FY 03 | FY 04 | FY 05 | | | | | | | | | | | | | | | |
| Accomplishments/Effort/Subtotal Cost | | | | | | | | | | | | | | | | | | | |
| RDT&E Articles Quantity | | | | | | | | | | | | | | | | | | | |

R-1 SHOPPING LIST - Item No.

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| EXHIBIT R-2a, RDT&E Project Justification | | | DATE: February 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|----------------------------|---------|--|---------|---------|---------|---------|----------|--|--|--|--|------------------------------|--|-------|--|--|--------------------------------|--|-------|--|--|-------------------|-------|-------|-------|-------|------------------------|--|--|--|--|----------------------------------|--|--|--|--|--|--|--------|--|--|---------------------------|--|--|--|--|--------------------|--|--|--|--|----------------------|--|--------|--|--|----------------|--|--|--|--|----------------------------|--|-------|--|--|----------|-------|-------|-------|-------|
| APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7 | PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS) | PROJECT NUMBER AND NAME A9157 Cross Program DCGS-N Integration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>C. PROGRAM CHANGE SUMMARY:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 10%; text-align: right;">FY 2002</th> <th style="width: 10%; text-align: right;">FY 2003</th> <th style="width: 10%; text-align: right;">FY 2004</th> <th style="width: 10%; text-align: right;">FY 2005</th> </tr> </thead> <tbody> <tr> <td>Funding:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Previous President's Budget:</td> <td></td> <td style="text-align: right;">0.000</td> <td></td> <td></td> </tr> <tr> <td>Current BES/President's Budget</td> <td></td> <td style="text-align: right;">2.927</td> <td></td> <td></td> </tr> <tr> <td>Total Adjustments</td> <td style="text-align: right; border-top: 1px solid black;">0.000</td> <td style="text-align: right; border-top: 1px solid black;">2.927</td> <td style="text-align: right; border-top: 1px solid black;">0.000</td> <td style="text-align: right; border-top: 1px solid black;">0.000</td> </tr> <tr> <td colspan="5" style="padding-top: 10px;">Summary of Adjustments</td> </tr> <tr> <td> Congressional program reductions</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> Congressional undistributed reductions</td> <td></td> <td style="text-align: right;">-0.018</td> <td></td> <td></td> </tr> <tr> <td> Congressional rescissions</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> SBIR/STTR Transfer</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> Economic Assumptions</td> <td></td> <td style="text-align: right;">-0.055</td> <td></td> <td></td> </tr> <tr> <td> Reprogrammings</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> Other Navy/OSD Adjustments</td> <td></td> <td style="text-align: right;">3.000</td> <td></td> <td></td> </tr> <tr> <td>Subtotal</td> <td style="text-align: right; border-top: 1px solid black;">0.000</td> <td style="text-align: right; border-top: 1px solid black;">2.927</td> <td style="text-align: right; border-top: 1px solid black;">0.000</td> <td style="text-align: right; border-top: 1px solid black;">0.000</td> </tr> </tbody> </table> <p style="margin-top: 20px;">Schedule:</p> <p style="margin-left: 20px;">Not Applicable.</p> <p>Technical:</p> <p style="margin-left: 20px;">Not Applicable.</p> | | | | | | FY 2002 | FY 2003 | FY 2004 | FY 2005 | Funding: | | | | | Previous President's Budget: | | 0.000 | | | Current BES/President's Budget | | 2.927 | | | Total Adjustments | 0.000 | 2.927 | 0.000 | 0.000 | Summary of Adjustments | | | | | Congressional program reductions | | | | | Congressional undistributed reductions | | -0.018 | | | Congressional rescissions | | | | | SBIR/STTR Transfer | | | | | Economic Assumptions | | -0.055 | | | Reprogrammings | | | | | Other Navy/OSD Adjustments | | 3.000 | | | Subtotal | 0.000 | 2.927 | 0.000 | 0.000 |
| | FY 2002 | FY 2003 | FY 2004 | FY 2005 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Funding: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Previous President's Budget: | | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current BES/President's Budget | | 2.927 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Adjustments | 0.000 | 2.927 | 0.000 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summary of Adjustments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congressional program reductions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congressional undistributed reductions | | -0.018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congressional rescissions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SBIR/STTR Transfer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Economic Assumptions | | -0.055 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reprogrammings | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other Navy/OSD Adjustments | | 3.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | 0.000 | 2.927 | 0.000 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

R-1 SHOPPING LIST - Item No. 208

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| EXHIBIT R-2a, RDT&E Project Justification | | | | | | | DATE: February 2003 | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------|--|----------------|----------------|---|----------------|----------------------------|----------------|------------------------|-----------------------|---------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------------|-----------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|------------|------------|
| APPROPRIATION/BUDGET ACTIVITY RDTE, N / BA-7 | | PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS) | | | PROJECT NUMBER AND NAME A9157 Cross Program DCGS-N Integration | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>D. OTHER PROGRAM FUNDING SUMMARY:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Line Item No. & Name</u></th> <th><u>FY 2002</u></th> <th><u>FY 2003</u></th> <th><u>FY 2004</u></th> <th><u>FY 2005</u></th> <th><u>FY 2006</u></th> <th><u>FY 2007</u></th> <th><u>FY 2008</u></th> <th><u>FY 2009</u></th> <th style="text-align: center;"><u>To Complete</u></th> <th style="text-align: center;"><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>OPN, BLI 291400 Common Imagery Ground Support/Systems (CIGSS)</td> <td style="text-align: right;">56.894</td> <td style="text-align: right;">51.330</td> <td style="text-align: right;">60.600</td> <td style="text-align: right;">53.302</td> <td style="text-align: right;">72.941</td> <td style="text-align: right;">74.339</td> <td style="text-align: right;">60.534</td> <td style="text-align: right;">61.628</td> <td style="text-align: center;">Continuing</td> <td style="text-align: center;">Continuing</td> </tr> </tbody> </table> <p>E. ACQUISITION STRATEGY: *</p> <p>F. MAJOR PERFORMERS: **</p> <p>* Not required for Budget Activities 1,2,3, and 6 ** Required for DON and OSD submit only.</p> | | | | | | | | | | | <u>Line Item No. & Name</u> | <u>FY 2002</u> | <u>FY 2003</u> | <u>FY 2004</u> | <u>FY 2005</u> | <u>FY 2006</u> | <u>FY 2007</u> | <u>FY 2008</u> | <u>FY 2009</u> | <u>To Complete</u> | <u>Total Cost</u> | OPN, BLI 291400 Common Imagery Ground Support/Systems (CIGSS) | 56.894 | 51.330 | 60.600 | 53.302 | 72.941 | 74.339 | 60.534 | 61.628 | Continuing | Continuing |
| <u>Line Item No. & Name</u> | <u>FY 2002</u> | <u>FY 2003</u> | <u>FY 2004</u> | <u>FY 2005</u> | <u>FY 2006</u> | <u>FY 2007</u> | <u>FY 2008</u> | <u>FY 2009</u> | <u>To Complete</u> | <u>Total Cost</u> | | | | | | | | | | | | | | | | | | | | | | |
| OPN, BLI 291400 Common Imagery Ground Support/Systems (CIGSS) | 56.894 | 51.330 | 60.600 | 53.302 | 72.941 | 74.339 | 60.534 | 61.628 | Continuing | Continuing | | | | | | | | | | | | | | | | | | | | | | |

R-1 SHOPPING LIST - Item No. 208

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|--|---|---------|---------|---------|--------------------------------------|---------|---------------|---------|
| EXHIBIT R-2a, RDT&E Project Justification | | | | | | | DATE: | |
| | | | | | | | February 2003 | |
| APPROPRIATION/BUDGET ACTIVITY | PROGRAM ELEMENT NUMBER AND NAME | | | | PROJECT NUMBER AND NAME | | | |
| RDT&E, N / BA-7 | 0305208N Distributed Common Ground Systems (DCGS) | | | | A9158 Converged Architecture for NFN | | | |
| COST (\$ in Millions) | FY 2002 | FY 2003 | FY 2004 | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 |
| Project Cost | | 1.269 | | | | | | |
| RDT&E Articles Qty | | | | | | | | |
| A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: | | | | | | | | |
| (U) Development of JSIPS-N open/converged architecture for Naval Fires Network (NFN) to allow for multiple service participation. The Congressional plus up of \$1.269M in FY03 has been provided for development of an open/converged architecture, modernization and enhancement of precision strike capabilities for NFN. | | | | | | | | |

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| EXHIBIT R-2a, RDT&E Project Justification | | | DATE: February 2003 | | | | | | | | | | | | | | | | |
|--|--|---|-------------------------------|-------|--|-------|-------|-------|-------|--------------------------------------|--|-------|--|--|-------------------------|--|--|--|--|
| APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7 | PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS) | PROJECT NUMBER AND NAME A9158 Converged Architecture for NFN | | | | | | | | | | | | | | | | | |
| B. Accomplishments/Planned Program | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 25%;"></th><th style="width: 15%;">FY 02</th><th style="width: 15%;">FY 03</th><th style="width: 15%;">FY 04</th><th style="width: 15%;">FY 05</th></tr></thead><tbody><tr><td>Accomplishments/Effort/Subtotal Cost</td><td></td><td style="text-align: center;">1.269</td><td></td><td></td></tr><tr><td>RDT&E Articles Quantity</td><td></td><td></td><td></td><td></td></tr></tbody></table> | | | | | | FY 02 | FY 03 | FY 04 | FY 05 | Accomplishments/Effort/Subtotal Cost | | 1.269 | | | RDT&E Articles Quantity | | | | |
| | FY 02 | FY 03 | FY 04 | FY 05 | | | | | | | | | | | | | | | |
| Accomplishments/Effort/Subtotal Cost | | 1.269 | | | | | | | | | | | | | | | | | |
| RDT&E Articles Quantity | | | | | | | | | | | | | | | | | | | |
| Development of an open architecture, modernization and enhancement of precision strike capabilities for NFN. | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 25%;"></th><th style="width: 15%;">FY 02</th><th style="width: 15%;">FY 03</th><th style="width: 15%;">FY 04</th><th style="width: 15%;">FY 05</th></tr></thead><tbody><tr><td>Accomplishments/Effort/Subtotal Cost</td><td></td><td></td><td></td><td></td></tr><tr><td>RDT&E Articles Quantity</td><td></td><td></td><td></td><td></td></tr></tbody></table> | | | | | | FY 02 | FY 03 | FY 04 | FY 05 | Accomplishments/Effort/Subtotal Cost | | | | | RDT&E Articles Quantity | | | | |
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| Accomplishments/Effort/Subtotal Cost | | | | | | | | | | | | | | | | | | | |
| RDT&E Articles Quantity | | | | | | | | | | | | | | | | | | | |
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R-1 SHOPPING LIST - Item No.

208

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| EXHIBIT R-2a, RDT&E Project Justification | | | DATE: February 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|----------------------------|---------|--|---------|---------|---------|---------|----------|--|--|--|--|------------------------------|--|-------|--|--|--------------------------------|--|-------|--|--|-------------------|-------|-------|-------|-------|------------------------|--|--|--|--|----------------------------------|--|--|--|--|--|--|--------|--|--|---------------------------|--|--|--|--|--------------------|--|--|--|--|----------------------|--|--------|--|--|----------------|--|--|--|--|----------------------------|--|-------|--|--|----------|-------|-------|-------|-------|
| APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7 | PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS) | PROJECT NUMBER AND NAME A9158 Converged Architecture for NFN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | FY 2002 | FY 2003 | FY 2004 | FY 2005 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Funding: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Previous President's Budget: | | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current BES/President's Budget | | 1.269 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Adjustments | 0.000 | 1.269 | 0.000 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summary of Adjustments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congressional program reductions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congressional undistributed reductions | | -0.007 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congressional rescissions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SBIR/STTR Transfer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Economic Assumptions | | -0.024 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reprogrammings | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other Navy/OSD Adjustments | | 1.300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | 0.000 | 1.269 | 0.000 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

R-1 SHOPPING LIST - Item No. 208

UNCLASSIFIED

UNCLASSIFIED

DATE: **February 2003**

D. OTHER PROGRAM FUNDING SUMMARY:

E. ACQUISITION STRATEGY: *

* Not required for Budget Activities 1,2,3, and 6
 ** Required for DON and OSD submit only.