

UNCLASSIFIED

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|---|----------------|------------------|-----------------------|--|------------------------|------------------|------------------|------------------|---------------------|------------------|------------|
| Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Navy | | | | | | | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD) | | | | R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW) | | | | | | | |
| COST (\$ in Millions) | FY 2009 Actual | FY 2010 Estimate | FY 2011 Base Estimate | FY 2011 OCO Estimate | FY 2011 Total Estimate | FY 2012 Estimate | FY 2013 Estimate | FY 2014 Estimate | FY 2015 Estimate | Cost To Complete | Total Cost |
| Total Program Element | 57.184 | 88.526 | 84.525 | 0.000 | 84.525 | 131.788 | 139.674 | 148.822 | 71.991 | Continuing | Continuing |
| 0954: Shipboard EW Improvement Program | 24.464 | 21.135 | 13.386 | 0.000 | 13.386 | 19.935 | 20.206 | 17.525 | 17.294 | Continuing | Continuing |
| 2190: NULKA Decoy | 2.995 | 4.777 | 5.291 | 0.000 | 5.291 | 4.389 | 3.558 | 3.689 | 3.630 | Continuing | Continuing |
| 3227: SEWIP Increment 2 | 23.342 | 62.614 | 65.848 | 0.000 | 65.848 | 107.464 | 115.910 | 127.608 | 51.067 | Continuing | Continuing |
| 9999: Congressional Adds | 6.383 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 30.079 |
| A. Mission Description and Budget Item Justification | | | | | | | | | | | |
| 0954 - The Surface Electronic Warfare Improvement Program (SEWIP) provides enhanced Electronic Warfare (EW) capabilities to existing and new ship combat systems to improve Anti Ship Missile Defense (ASMD), counter-targeting and counter-surveillance capabilities, as well as improved battlefield situational awareness. The SEWIP employs an evolutionary acquisition and incremental development strategy to upgrade surface EW capabilities via a series of block upgrades to the AN/SLQ-32(V) system, and field EW improvements to keep pace with the ASMD threat. | | | | | | | | | | | |
| 2190 - The Offboard Active Decoy (NULKA) is a joint cooperative program between the United States and Australia that developed an active offboard decoy that utilizes a broadband radio frequency repeater mounted atop a hovering rocket. NULKA is designed to counter a wide variety of present and future radar guided Anti-Ship Missiles (ASMs) by radiating a large radar cross section while flying a ship-like trajectory. The United States developed the electronic payload and fire control system, while Australia developed the hovering rocket. | | | | | | | | | | | |
| 3227 - SEWIP Block 2 is expected to be a separate program to develop an upgraded antenna, receiver, and combat system interface for SLQ-32. The upgrades are necessary in order to pace the threat, improving detection, accuracy, and mitigation of Electromagnetic Interference (EMI). Beginning in FY11, development of SEWIP Block 3 will commence to add Electronic Attack capability to the SLQ-32. | | | | | | | | | | | |

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Navy | | DATE: February 2010 |
| APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD) | R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW) | |
| FY11 from previous President's Budget is shown as zero because no FY11-15 data was presented in President's Budget 2010. | | |

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|--|-----------------------|-------------------------|------------------------------|---|-------------------------------|-------------------------|-------------------------|---|-------------------------|-------------------------|-------------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy | | | | | | | | DATE: February 2010 | | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i> | | | | R-1 ITEM NOMENCLATURE PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/ EW)</i> | | | | PROJECT 0954: <i>Shipboard EW Improvement Program</i> | | | |
| COST (\$ in Millions) | FY 2009 Actual | FY 2010 Estimate | FY 2011 Base Estimate | FY 2011 OCO Estimate | FY 2011 Total Estimate | FY 2012 Estimate | FY 2013 Estimate | FY 2014 Estimate | FY 2015 Estimate | Cost To Complete | Total Cost |
| 0954: <i>Shipboard EW Improvement Program</i> | 24.464 | 21.135 | 13.386 | 0.000 | 13.386 | 19.935 | 20.206 | 17.525 | 17.294 | Continuing | Continuing |
| Quantity of RDT&E Articles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| A. Mission Description and Budget Item Justification <p>The Surface Electronic Warfare Improvement Program (SEWIP) provides enhanced Electronic Warfare (EW) capabilities to existing and new ship combat systems to improve Anti Ship Missile Defense (ASMD), counter-targeting and counter surveillance capabilities, as well as improved situational awareness. The SEWIP employs an evolutionary acquisition and incremental development strategy to upgrade surface EW capabilities via a series of block upgrades to the AN/SLQ-32(V) system, and field EW improvements to keep pace with the ASMD threat. SEWIP will provide required EW capabilities and will incorporate technology advances as they become available to provide incremental upgrades and improvements in performance.</p> <p>SEWIP Block 1 is segmented into Block 1A, and Block 1B. Block 1A upgrades the AN/SLQ-32 pulse-processing computers and the display console allowing the system to more quickly identify threats and better display the information to the operator. Block 1A Electronic Surveillance Enhancements (ESE) pulse processing computers and the Improved Control and Display (ICAD) Human System Interface (HSI) console partially open the electronic warfare system architecture to support subsequent EW capability upgrades. Block 1B adds adjunct sensors for special signal intercept, including Specific Emitter Identification (SEI), and High Gain High Sensitivity (HGHS) (Block 1B3), a critical improvement for threat correlation, situational awareness, and extending the battle space.</p> | | | | | | | | | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | | | | | | |
| | | | | | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total | |
| Block 1B1/1B2 SEI | | | | | | 1.121 | 0.000 | 0.000 | 0.000 | 0.000 | |
| <i>FY 2009 Accomplishments:</i> Completed development of Improved Control and Display(ICAD)-integrated SEI (Block 1B2), adding capability to the AN/SLQ-32B(V) System. | | | | | | | | | | | |
| Block 1B3 | | | | | | 18.761 | 17.264 | 10.535 | 0.000 | 10.535 | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD) | R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/ EW) | PROJECT 0954: Shipboard EW Improvement Program | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | |
| | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| FY 2009 Accomplishments: Commenced Engineering and Manufacturing Development (E&MD) of the High Gain High Sensitivity (HGHS) adjunct sensor. FY 2010 Plans: Continue E&MD of the HGHS subsystem, commence integration with the 1B2-enhanced AN/SLQ-32B(V) system. FY 2011 Base Plans: Complete E&MD by taking delivery of Engineering Development Models (EDMs). Commence integrated testing of EDMs. | | | | | |
| V(4) Electronic Surveillance Enhancements (ESE) FY 2009 Accomplishments: Commenced development of V(4) ESE upgrade providing proven Block 1A (V)3 ESE processing adapted to the aircraft carrier variant of SLQ-32. FY 2010 Plans: Continue development of V(4) ESE upgrade. FY 2011 Base Plans: At-sea testing of V(4) ESE upgraded SLQ-32(V)4 system. | 4.456 | 3.871 | 2.851 | 0.000 | 2.851 |
| DAWF FY 2009 Accomplishments: Funded the DoD Acquisition Workforce Fund | 0.126 | 0.000 | 0.000 | 0.000 | 0.000 |
| Accomplishments/Planned Programs Subtotals | 24.464 | 21.135 | 13.386 | 0.000 | 13.386 |

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|---|---------|---------|-----------------|--|------------------|---------|---------|---|---------------------|---------------------|------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy | | | | | | | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD) | | | | R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/ EW) | | | | PROJECT 0954: Shipboard EW Improvement Program | | | |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | |
| Line Item | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total | FY 2012 | FY 2013 | FY 2014 | FY 2015 | Cost To Complete | Total Cost |
| • 0204228N/2312: OPN BA-2 AN/ SLQ-32(V) | 22.788 | 31.171 | 49.677 | 0.000 | 49.677 | 78.268 | 78.386 | 93.808 | 138.938 | Continuing | Continuing |
| • 24575N & 72827N/1C2C: OMN BA-1 AN/SLQ-32(V) | 5.633 | 5.601 | 8.622 | 0.000 | 8.622 | 11.688 | 11.873 | 11.981 | 12.217 | Continuing | Continuing |
| D. Acquisition Strategy | | | | | | | | | | | |
| The Surface EW Improvement Program (SEWIP) will develop Block upgrades to SLQ-32 based on integrating technology advances and adding functional capabilities in an incremental fashion. Each Block and sub-Block will be developed and contracted in an individual yet coordinated and overlapping fashion. | | | | | | | | | | | |
| E. Performance Metrics | | | | | | | | | | | |
| Successfully achieve Block 1B3 Milestone C / Low Rate Initial Production (LRIP) Decision Review (DR). | | | | | | | | | | | |
| Successfully complete Block 1B3 Operational Evaluation (OPEVAL). | | | | | | | | | | | |
| Successfully achieve Block 1B3 Full Rate Production (FRP) Decision Review (DR). | | | | | | | | | | | |

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|--|------------------------------|--------------------------------------|---------------------------|---------|--|-----------------|---------------|----------------|---------------|---|---------------------|------------|--------------------------------|--|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Navy | | | | | | | | | | DATE: February 2010 | | | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD) | | | | | R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/ EW) | | | | | PROJECT 0954: Shipboard EW Improvement Program | | | | |
| Product Development (\$ in Millions) | | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract | |
| Ancillary Hardware Development | C/TBD | Not Specified Not Specified | 151.420 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 151.420 | Continuing | |
| ESE Development | SS/CPFF | Northrop Grumman Goleta, CA | 10.307 | 2.592 | Feb 2010 | 1.006 | Nov 2010 | 0.000 | | 1.006 | Continuing | Continuing | Continuing | |
| ICAD Development | SS/CPFF | GD-AIS Fairfax, VA | 11.747 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 11.747 | Continuing | |
| ESE Development (Block 1A) | SS/CPFF | Northrop Grumman Goleta, CA | 0.471 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.471 | Continuing | |
| System Integrator | C/CPAF | GD-AIS Fairfax, VA | 13.798 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 13.798 | Continuing | |
| 1B Development | SS/CPIF | GD-AIS Fairfax, VA | 68.583 | 10.089 | Nov 2009 | 1.375 | Nov 2010 | 0.000 | | 1.375 | Continuing | Continuing | Continuing | |
| Q-70 Mods | C/CPFF | LM-EAGAN Eagan, MN | 3.491 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 3.491 | Continuing | |
| Block 2 Study/ Development | C/CPIF | BAE & Others Various | 0.336 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.336 | Continuing | |
| Subtotal | | | 260.153 | 12.681 | | 2.381 | | 0.000 | | 2.381 | | | | |
| Remarks | | | | | | | | | | | | | | |
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| Support (\$ in Millions) | | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract | |
| Block 1 Integrated Logistics Support | WR | NSWC Crane, DD, NRL Various | 9.612 | 1.000 | Nov 2009 | 0.978 | Nov 2010 | 0.000 | | 0.978 | Continuing | Continuing | Continuing | |
| Block 1 Government Engineering Support | WR | NSWC Crane, DD, NRL Various | 33.398 | 4.616 | Nov 2009 | 2.814 | Nov 2010 | 0.000 | | 2.814 | Continuing | Continuing | Continuing | |
| Block 2 Integrated Logistics Support | WR | NSWC Crane, DD, NRL Various | 0.540 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.540 | Continuing | |
| Block 2 Government Engineering Support | WR | NSWC Crane, DD, NRL Various | 2.496 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 2.496 | Continuing | |
| Subtotal | | | 46.046 | 5.616 | | 3.792 | | 0.000 | | 3.792 | | | | |
| Remarks | | | | | | | | | | | | | | |
| Test and Evaluation (\$ in Millions) | | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract | |
| Block 1 Integration and Test | WR | NSWC Crane, DD, NRL Various | 0.853 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.853 | Continuing | |
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|--|------------------------|---|------------------------|---|------------|--------------|------------|---|------------|---------------|----------------------------|------------|--------------------------|--------------------|------------------------|--------------------------------|------------------------|---------|--|--------------|--|-------------|--|---------------|------------------|------------|--------------------------|------|------------|------|------------|------|------------|------|---------------------------------|-----------|-----------------|-------|-------|--|-------|--|-------|--|-------|-------|-------|------------|------------------------------------|----|-----------------------------|--------|-------|--|-------|--|-------|--|-------|-------|--------|------------|------------------------------------|----|---|-------|-------|----------|-------|----------|-------|--|-------|------------|------------|------------|------------------------------------|----|-----------------------------|-------|-------|----------|-------|----------|-------|--|-------|------------|------------|------------|-----------------------------------|----|-----------------------------|-------|-------|--|-------|--|-------|--|-------|-------|-------|------------|-----------------|--|--|--------|-------|--|-------|--|-------|--|-------|--|--|--|
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| Test and Evaluation (\$ in Millions) <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th rowspan="2">Cost Category Item</th> <th rowspan="2">Contract Method & Type</th> <th rowspan="2">Performing Activity & Location</th> <th rowspan="2">Total Prior Years Cost</th> <th colspan="2">FY 2010</th> <th colspan="2">FY 2011 Base</th> <th colspan="2">FY 2011 OCO</th> <th>FY 2011 Total</th> <th rowspan="2">Cost To Complete</th> <th rowspan="2">Total Cost</th> <th rowspan="2">Target Value of Contract</th> </tr> <tr> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> </tr> </thead> <tbody> <tr> <td>Developmental Test & Evaluation</td> <td>C/Various</td> <td>Various Various</td> <td align="right">8.958</td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">8.958</td> <td>Continuing</td> </tr> <tr> <td>Block 1A Test Planning/ T&E Events</td> <td>WR</td> <td>NSWC Crane, DD, NRL Various</td> <td align="right">11.036</td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">11.036</td> <td>Continuing</td> </tr> <tr> <td>Block 1B Test Planning/ T&E Events</td> <td>WR</td> <td>NSWC Crane, DD, NRL, NAVAIR, OPTEVFOR, NSWC PHD Various</td> <td align="right">9.048</td> <td align="right">0.280</td> <td>Nov 2009</td> <td align="right">0.925</td> <td>Nov 2010</td> <td align="right">0.000</td> <td></td> <td align="right">0.925</td> <td>Continuing</td> <td>Continuing</td> <td>Continuing</td> </tr> <tr> <td>(V)4 ESE Test Planning/ T&E Events</td> <td>WR</td> <td>NSWC Crane, DD, NRL Various</td> <td align="right">0.542</td> <td align="right">0.386</td> <td>Nov 2009</td> <td align="right">3.937</td> <td>Nov 2010</td> <td align="right">0.000</td> <td></td> <td align="right">3.937</td> <td>Continuing</td> <td>Continuing</td> <td>Continuing</td> </tr> <tr> <td>Block 2 Test Planning/ T&E Events</td> <td>WR</td> <td>NSWC Crane, DD, NRL Various</td> <td align="right">0.941</td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">0.941</td> <td>Continuing</td> </tr> <tr> <td align="right" colspan="3">Subtotal</td><td align="right">31.378</td><td align="right">0.666</td><td></td><td align="right">4.862</td><td></td><td align="right">0.000</td><td></td><td align="right">4.862</td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | Cost To Complete | Total Cost | Target Value of Contract | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Developmental Test & Evaluation | C/Various | Various Various | 8.958 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 8.958 | Continuing | Block 1A Test Planning/ T&E Events | WR | NSWC Crane, DD, NRL Various | 11.036 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 11.036 | Continuing | Block 1B Test Planning/ T&E Events | WR | NSWC Crane, DD, NRL, NAVAIR, OPTEVFOR, NSWC PHD Various | 9.048 | 0.280 | Nov 2009 | 0.925 | Nov 2010 | 0.000 | | 0.925 | Continuing | Continuing | Continuing | (V)4 ESE Test Planning/ T&E Events | WR | NSWC Crane, DD, NRL Various | 0.542 | 0.386 | Nov 2009 | 3.937 | Nov 2010 | 0.000 | | 3.937 | Continuing | Continuing | Continuing | Block 2 Test Planning/ T&E Events | WR | NSWC Crane, DD, NRL Various | 0.941 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.941 | Continuing | Subtotal | | | 31.378 | 0.666 | | 4.862 | | 0.000 | | 4.862 | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | Cost To Complete | Total Cost | Target Value of Contract | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Developmental Test & Evaluation | C/Various | Various Various | 8.958 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 8.958 | Continuing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Block 1A Test Planning/ T&E Events | WR | NSWC Crane, DD, NRL Various | 11.036 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 11.036 | Continuing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Block 1B Test Planning/ T&E Events | WR | NSWC Crane, DD, NRL, NAVAIR, OPTEVFOR, NSWC PHD Various | 9.048 | 0.280 | Nov 2009 | 0.925 | Nov 2010 | 0.000 | | 0.925 | Continuing | Continuing | Continuing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (V)4 ESE Test Planning/ T&E Events | WR | NSWC Crane, DD, NRL Various | 0.542 | 0.386 | Nov 2009 | 3.937 | Nov 2010 | 0.000 | | 3.937 | Continuing | Continuing | Continuing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Block 2 Test Planning/ T&E Events | WR | NSWC Crane, DD, NRL Various | 0.941 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.941 | Continuing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | | 31.378 | 0.666 | | 4.862 | | 0.000 | | 4.862 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|-----------------------------------|---|-------------------------------|---|-------------------|---------------------|-------------------|---|-------------------|----------------------|----------------------------|-------------------|---------------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Navy | | | | | | | | | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i> | | | | R-1 ITEM NOMENCLATURE PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/ EW)</i> | | | | PROJECT 0954: <i>Shipboard EW Improvement Program</i> | | | | | |
| | | | | | | | | | | | | | |
| Management Services (\$ in Millions) | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Block 1 Program Management | C/FFP | SEAPORT Various | 28.202 | 1.516 | Jan 2010 | 1.598 | Nov 2010 | 0.000 | | 1.598 | 0.000 | 31.316 | Continuing |
| Block 1 Program Management Support | WR | NSWC Crane, DD, NRL Various | 14.894 | 0.556 | Nov 2009 | 0.653 | Nov 2010 | 0.000 | | 0.653 | Continuing | Continuing | Continuing |
| Block 1 Travel | WR | NAVSEA Program Office Travel Washington, D.C. | 0.705 | 0.100 | Nov 2009 | 0.100 | Nov 2010 | 0.000 | | 0.100 | Continuing | Continuing | Continuing |
| Block 2 Program Management Support | C/FFP | SEAPORT Various | 0.023 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.023 | Continuing |
| Block 2 Program Management Support | WR | NSWC Crane, DD, NRL Various | 0.823 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.823 | Continuing |
| Block 2 Travel | WR | NAVSEA Program Office Travel Washington, D.C. | 0.050 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.050 | Continuing |
| Block 1 DoD Acquisition Workforce Fund | Various/ Various | Various Various | 0.126 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.126 | Continuing |
| Subtotal | | | 44.823 | 2.172 | | 2.351 | | 0.000 | | 2.351 | | | |
| Remarks | | | | | | | | | | | | | |
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|---|-----------------------------------|----------------|---|-------------------------|--|---|----------------------------|--------------------------|-----------------------------|-------------------|---|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Navy | | | | | | | DATE: February 2010 | | | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i> | | | R-1 ITEM NOMENCLATURE PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/ EW)</i> | | | PROJECT 0954: <i>Shipboard EW Improvement Program</i> | | | | | |
| | | | | | | | | | | | |
| | Total Prior Years Cost | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | 382.400 | 21.135 | | 13.386 | | 0.000 | | 13.386 | | | |
| Remarks | | | | | | | | | | | |
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Exhibit R-4, RDT&E Schedule Profile: PB 2011 Navy

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

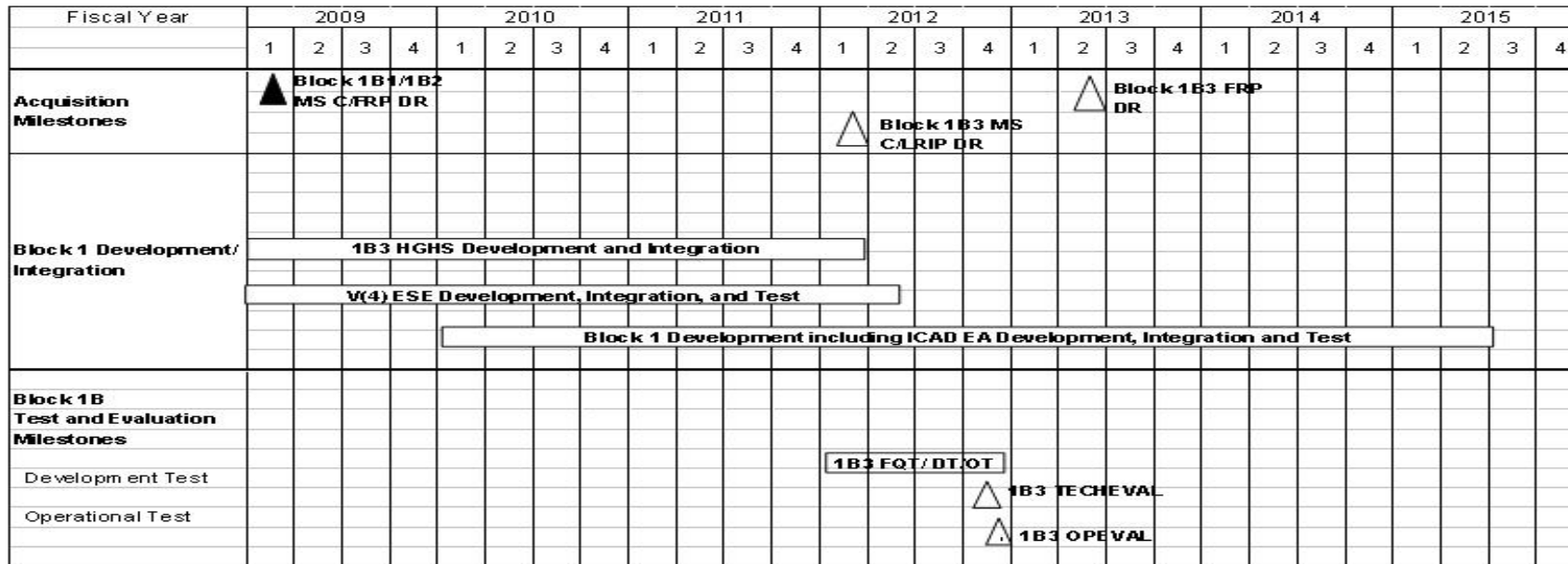
1319: Research, Development, Test & Evaluation, Navy
BA 5: Development & Demonstration (SDD)

R-1 ITEM NOMENCLATURE

PE 0604757N: Ship Self Def (Engage: Soft Kill/
EW)

PROJECT

0954: Shipboard EW Improvement Program



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|---|---|---|----------------------------|
| Exhibit R-4A, RDT&E Schedule Details: PB 2011 Navy | | | DATE: February 2010 |
| APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i> | R-1 ITEM NOMENCLATURE PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/ EW)</i> | PROJECT 0954: <i>Shipboard EW Improvement Program</i> | |

Schedule Details

| Event | Start | | End | |
|--|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| Block 1B1/1B2 MS C/FRP DR | 1 | 2009 | 1 | 2009 |
| 1B3 HGHS Development and Integration | 1 | 2009 | 1 | 2012 |
| V(4) ESE Development, Integration, and Test | 1 | 2009 | 2 | 2012 |
| Block 1 Development including ICAD EA Development, Integration, and Test | 1 | 2010 | 2 | 2015 |
| Block 1B3 MS C/LRIP DR | 1 | 2012 | 1 | 2012 |
| 1B3 FQT & DT/OT | 1 | 2012 | 4 | 2012 |
| Block 1B3 TECHEVAL | 4 | 2012 | 4 | 2012 |
| Block 1B3 OPEVAL | 4 | 2012 | 4 | 2012 |
| Block 1B3 MS C/FRP | 2 | 2013 | 2 | 2013 |

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|---|-----------------------|-------------------------|------------------------------|---|-------------------------------|-------------------------|-------------------------|--|-------------------------|-------------------------|----------------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy | | | | | | | | DATE: February 2010 | | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i> | | | | R-1 ITEM NOMENCLATURE PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/ EW)</i> | | | | PROJECT 2190: <i>NULKA Decoy</i> | | | |
| COST (\$ in Millions) | FY 2009 Actual | FY 2010 Estimate | FY 2011 Base Estimate | FY 2011 OCO Estimate | FY 2011 Total Estimate | FY 2012 Estimate | FY 2013 Estimate | FY 2014 Estimate | FY 2015 Estimate | Cost To Complete | Total Cost |
| 2190: <i>NULKA Decoy</i> | 2.995 | 4.777 | 5.291 | 0.000 | 5.291 | 4.389 | 3.558 | 3.689 | 3.630 | Continuing | Continuing |
| Quantity of RDT&E Articles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| A. Mission Description and Budget Item Justification The Offboard Active Decoy (NULKA) is a joint cooperative program between the United States and Australia that developed an active offboard decoy that utilizes a broadband radio frequency repeater mounted atop a hovering rocket. NULKA is designed to counter a wide variety of present and future radar guided Anti-Ship Missiles (ASMs) by radiating a large radar cross section while flying a ship-like trajectory. The United States developed the electronic payload and fire control system, while Australia developed the hovering rocket. Future efforts involve development of the capability for high value unit protection. | | | | | | | | | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | | | | | | |
| | | | | | | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| NULKA Decoy Subsystem <i>FY 2009 Accomplishments:</i> Evaluated updated threat information and current tactics to verify continued NULKA effectiveness. <i>FY 2010 Plans:</i> NULKA decoy subsystem integration and improvements to include Effectiveness Studies, Engineering Studies and Fly Out Tactics. <i>FY 2011 Base Plans:</i> NULKA decoy subsystem integration and improvements to include Effectiveness Studies, Engineering Studies and Fly Out Tactics. | | | | | | | 1.100 | 1.600 | 1.600 | 0.000 | 1.600 |
| NULKA Decoy Enhancements | | | | | | | 1.880 | 0.430 | 0.691 | 0.000 | 0.691 |

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|---|--|--|---------|------------------------------|----------------|------------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy | | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD) | | R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/ EW) | | PROJECT 2190: NULKA Decoy | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | |
| | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| FY 2009 Accomplishments: Investigated NULKA Electromagnetic Compatibility (EMC) payload design changes to facilitate interoperability between NULKA and emerging own force emitters. | | | | | | |
| FY 2010 Plans: Continue design and development efforts aimed at increasing the interoperability between NULKA and emerging surface ship radars. | | | | | | |
| FY 2011 Base Plans: Continue the development of NULKA decoy enhancements to include increased duty cycle and Electromagnetic Compatibility (EMC). | | | | | | |
| NULKA Software | | 0.000 | 2.747 | 3.000 | 0.000 | 3.000 |
| FY 2010 Plans: Upgrade Launching System software to provide CVN protection capability. | | | | | | |
| FY 2011 Base Plans: Upgrade Launching System software to provide CVN protection capability. | | | | | | |
| DoD Acquisition Workforce Fund (DAWF) | | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 |
| FY 2009 Accomplishments: Funded the DAWF | | | | | | |
| Accomplishments/Planned Programs Subtotals | | 2.995 | 4.777 | 5.291 | 0.000 | 5.291 |

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|--|---------|---------|-----------------|--|------------------|---------|---------|------------------------------|---------------------|---------------------|------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy | | | | | | | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD) | | | | R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/ EW) | | | | PROJECT 2190: NULKA Decoy | | | |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | |
| Line Item | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total | FY 2012 | FY 2013 | FY 2014 | FY 2015 | Cost To Complete | Total Cost |
| • OPN/5530: Anti-Ship Missile Decoy System | 37.759 | 33.525 | 36.588 | 0.000 | 36.588 | 35.971 | 37.083 | 35.875 | 55.605 | 0.000 | 699.693 |
| • OMN/12CR0 (1C2C): Nulka | 3.381 | 4.671 | 4.547 | 0.000 | 4.547 | 4.295 | 4.628 | 4.693 | 4.843 | 0.000 | 31.058 |
| D. Acquisition Strategy | | | | | | | | | | | |
| NULKA is a joint cooperative program between United States and Australia in full rate production. | | | | | | | | | | | |
| E. Performance Metrics | | | | | | | | | | | |
| Successfully complete critical design review (CDR) for MK 53 Decoy Launch System (DLS) upgrade for CVN class. | | | | | | | | | | | |
| Successfully complete first-of-class testing of MK 53 DLS upgrade for CVN. | | | | | | | | | | | |
| NULKA will complete Decoy Launch Processor (DLP) software version 6_5 Beta 1 for CVN 68 ship class. | | | | | | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Navy | | | | | | | | | | | DATE: February 2010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|--------------------------------|------------------------|---|------------|--------------|------------|--|------------|---------------|----------------------------|------------|--------------------------|--------------------|------------------------|--------------------------------|------------------------|---------|--|--------------|--|-------------|--|---------------|------------------|------------|--------------------------|------|------------|------|------------|------|------------|------|------------------------------|----|------------------------------|-------|-------|----------|-------|----------|-------|--|-------|------------|------------|------------|------------------------------|------|-----------------------|-------|-------|----------|-------|----------|-------|--|-------|------------|------------|------------|---------------------|----|--------------------|--------|-------|----------|-------|----------|-------|--|-------|------------|------------|------------|---------------------|----|---------------------|-------|-------|--|-------|--|-------|--|-------|-------|-------|------------|--------------------------|-------|-----------|-------|-------|--|-------|--|-------|--|-------|-------|-------|------------|---------------------|----|----------------------------|-------|-------|----------|-------|----------|-------|--|-------|------------|------------|------------|---------------------|----|---------|-------|-------|--|-------|--|-------|--|-------|-------|-------|------------|---------------------|----|---------------|-------|-------|----------|-------|----------|-------|--|-------|------------|------------|------------|-----------------|--|--|--------|-------|--|-------|--|-------|--|-------|--|--|--|
| APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i> | | | | R-1 ITEM NOMENCLATURE PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/ EW)</i> | | | | PROJECT 2190: <i>NULKA Decoy</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Product Development (\$ in Millions) <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th rowspan="2">Cost Category Item</th> <th rowspan="2">Contract Method & Type</th> <th rowspan="2">Performing Activity & Location</th> <th rowspan="2">Total Prior Years Cost</th> <th colspan="2">FY 2010</th> <th colspan="2">FY 2011 Base</th> <th colspan="2">FY 2011 OCO</th> <th>FY 2011 Total</th> <th rowspan="2">Cost To Complete</th> <th rowspan="2">Total Cost</th> <th rowspan="2">Target Value of Contract</th> </tr> <tr> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> </tr> </thead> <tbody> <tr> <td>Primary Hardware Development</td> <td>WR</td> <td>Lockheed Martin Sippican, MA</td> <td align="right">5.956</td> <td align="right">0.409</td> <td>Oct 2009</td> <td align="right">0.450</td> <td>Oct 2010</td> <td align="right">0.000</td> <td></td> <td align="right">0.450</td> <td>Continuing</td> <td>Continuing</td> <td>Continuing</td> </tr> <tr> <td>Primary Hardware Development</td> <td>MIPR</td> <td>BAE Systems Australia</td> <td align="right">6.142</td> <td align="right">0.743</td> <td>Oct 2009</td> <td align="right">0.500</td> <td>Oct 2010</td> <td align="right">0.000</td> <td></td> <td align="right">0.500</td> <td>Continuing</td> <td>Continuing</td> <td>Continuing</td> </tr> <tr> <td>Systems Engineering</td> <td>WR</td> <td>NRL Washington, DC</td> <td align="right">12.537</td> <td align="right">1.350</td> <td>Oct 2009</td> <td align="right">1.700</td> <td>Oct 2010</td> <td align="right">0.000</td> <td></td> <td align="right">1.700</td> <td>Continuing</td> <td>Continuing</td> <td>Continuing</td> </tr> <tr> <td>Systems Engineering</td> <td>WR</td> <td>NWAD China Lake, CA</td> <td align="right">0.120</td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">0.120</td> <td>Continuing</td> </tr> <tr> <td>Mk 53 System Eng Changes</td> <td>C/FFP</td> <td>Sechan PA</td> <td align="right">0.150</td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">0.150</td> <td>Continuing</td> </tr> <tr> <td>Systems Engineering</td> <td>WR</td> <td>NSWC Dahlgren Dahlgren, VA</td> <td align="right">1.743</td> <td align="right">1.225</td> <td>Oct 2009</td> <td align="right">2.069</td> <td>Oct 2010</td> <td align="right">0.000</td> <td></td> <td align="right">2.069</td> <td>Continuing</td> <td>Continuing</td> <td>Continuing</td> </tr> <tr> <td>Systems Engineering</td> <td>WR</td> <td>NSMA VA</td> <td align="right">0.360</td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">0.360</td> <td>Continuing</td> </tr> <tr> <td>Systems Engineering</td> <td>WR</td> <td>NSWC Crane IN</td> <td align="right">4.228</td> <td align="right">0.700</td> <td>Oct 2009</td> <td align="right">0.250</td> <td>Oct 2010</td> <td align="right">0.000</td> <td></td> <td align="right">0.250</td> <td>Continuing</td> <td>Continuing</td> <td>Continuing</td> </tr> <tr> <td align="right" colspan="3">Subtotal</td><td align="right">31.236</td><td align="right">4.427</td><td></td><td align="right">4.969</td><td></td><td align="right">0.000</td><td></td><td align="right">4.969</td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | Cost To Complete | Total Cost | Target Value of Contract | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Primary Hardware Development | WR | Lockheed Martin Sippican, MA | 5.956 | 0.409 | Oct 2009 | 0.450 | Oct 2010 | 0.000 | | 0.450 | Continuing | Continuing | Continuing | Primary Hardware Development | MIPR | BAE Systems Australia | 6.142 | 0.743 | Oct 2009 | 0.500 | Oct 2010 | 0.000 | | 0.500 | Continuing | Continuing | Continuing | Systems Engineering | WR | NRL Washington, DC | 12.537 | 1.350 | Oct 2009 | 1.700 | Oct 2010 | 0.000 | | 1.700 | Continuing | Continuing | Continuing | Systems Engineering | WR | NWAD China Lake, CA | 0.120 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.120 | Continuing | Mk 53 System Eng Changes | C/FFP | Sechan PA | 0.150 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.150 | Continuing | Systems Engineering | WR | NSWC Dahlgren Dahlgren, VA | 1.743 | 1.225 | Oct 2009 | 2.069 | Oct 2010 | 0.000 | | 2.069 | Continuing | Continuing | Continuing | Systems Engineering | WR | NSMA VA | 0.360 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.360 | Continuing | Systems Engineering | WR | NSWC Crane IN | 4.228 | 0.700 | Oct 2009 | 0.250 | Oct 2010 | 0.000 | | 0.250 | Continuing | Continuing | Continuing | Subtotal | | | 31.236 | 4.427 | | 4.969 | | 0.000 | | 4.969 | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | Cost To Complete | Total Cost | Target Value of Contract | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Primary Hardware Development | WR | Lockheed Martin Sippican, MA | 5.956 | 0.409 | Oct 2009 | 0.450 | Oct 2010 | 0.000 | | 0.450 | Continuing | Continuing | Continuing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Primary Hardware Development | MIPR | BAE Systems Australia | 6.142 | 0.743 | Oct 2009 | 0.500 | Oct 2010 | 0.000 | | 0.500 | Continuing | Continuing | Continuing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems Engineering | WR | NRL Washington, DC | 12.537 | 1.350 | Oct 2009 | 1.700 | Oct 2010 | 0.000 | | 1.700 | Continuing | Continuing | Continuing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems Engineering | WR | NWAD China Lake, CA | 0.120 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.120 | Continuing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mk 53 System Eng Changes | C/FFP | Sechan PA | 0.150 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.150 | Continuing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems Engineering | WR | NSWC Dahlgren Dahlgren, VA | 1.743 | 1.225 | Oct 2009 | 2.069 | Oct 2010 | 0.000 | | 2.069 | Continuing | Continuing | Continuing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems Engineering | WR | NSMA VA | 0.360 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.360 | Continuing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systems Engineering | WR | NSWC Crane IN | 4.228 | 0.700 | Oct 2009 | 0.250 | Oct 2010 | 0.000 | | 0.250 | Continuing | Continuing | Continuing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | | 31.236 | 4.427 | | 4.969 | | 0.000 | | 4.969 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Navy | | | | | | | | | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD) | | | | R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill//EW) | | | | PROJECT 2190: NULKA Decoy | | | | | |
| Support (\$ in Millions) | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Development Support | WR | NRL Washington, DC | 1.314 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 1.314 | Continuing |
| Software Development | WR | NSWC Dahlgren Dahlgren, VA | 2.527 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 2.527 | Continuing |
| Subtotal | | | 3.841 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 3.841 | |
| Remarks | | | | | | | | | | | | | |
| Test and Evaluation (\$ in Millions) | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Developmental Test & Evaluation | WR | NSWC Dahlgren Dahlgren, VA | 0.700 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.700 | Continuing |
| Developmental Test & Evaluation | WR | NRL Washington, DC | 1.181 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 1.181 | Continuing |
| Test Assets | WR | NRL Washington, DC | 0.701 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.701 | Continuing |
| Test Support | WR | BAE Systems Australia | 0.050 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.050 | Continuing |
| Subtotal | | | 2.632 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 2.632 | |
| Remarks | | | | | | | | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Navy | | | | | | | | | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i> | | | | R-1 ITEM NOMENCLATURE PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/ EW)</i> | | | | PROJECT 2190: <i>NULKA Decoy</i> | | | | | |
| Management Services (\$ in Millions) | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Program Management Support | C/FFP | SEAPORT Various | 0.847 | 0.300 | Oct 2009 | 0.270 | Oct 2010 | 0.000 | | 0.270 | Continuing | Continuing | Continuing |
| Travel | WR | NAVSEA Program Office Travel Washington, DC | 0.478 | 0.050 | Oct 2009 | 0.052 | Oct 2010 | 0.000 | | 0.052 | Continuing | Continuing | Continuing |
| DoD Acquisition Workforce Fund (DAWDF) | Various/ Various | Various Various | 0.015 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.015 | Continuing |
| Subtotal | | | 1.340 | 0.350 | | 0.322 | | 0.000 | | 0.322 | | | |
| Remarks | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | Total Prior Years Cost | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | 39.049 | 4.777 | | 5.291 | | 0.000 | | 5.291 | | | |
| Remarks | | | | | | | | | | | | | |
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| Exhibit R-4, RDT&E Schedule Profile: PB 2011 Navy | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY | | R-1 ITEM NOMENCLATURE | | PROJECT | |
| 1319: <i>Research, Development, Test & Evaluation, Navy</i> | | PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/</i> | | 2190: <i>NULKA Decoy</i> | |
| BA 5: <i>Development & Demonstration (SDD)</i> | | <i>EW)</i> | | | |

| Fiscal Year | 2009 | | | | 2010 | | | | 2011 | | | | 2012 | | | | 2013 | | | | 2014 | | | | 2015 | | | |
|------------------------------|------|---|---|---|------|---|---|---|------|---|---|---|------|---|---|---|------|---|---|---|------|---|---|---|------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Acquisition Milestones | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Production Milestones | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test & Evaluation Milestones | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Development Test | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operational Test | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2011 Navy | | | DATE: February 2010 |
| APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i> | R-1 ITEM NOMENCLATURE PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/ EW)</i> | PROJECT 2190: <i>NULKA Decoy</i> | |

Schedule Details

| Event | Start | | End | |
|-----------------------------|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| LPD 20 OT | 1 | 2009 | 1 | 2009 |
| USCG DEEPWATER DT | 3 | 2009 | 3 | 2009 |
| CVN DLP SOFTWARE | 1 | 2010 | 3 | 2011 |
| LHA 6 INSTALL CERTIFICATION | 2 | 2012 | 2 | 2012 |
| CVN CLASS DT | 3 | 2012 | 3 | 2012 |

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|--|---------------------------|-----------------------------|--------------------------------------|---|---------------------------------------|-----------------------------|-----------------------------|--|-----------------------------|-----------------------------|-----------------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy | | | | | | | | DATE: February 2010 | | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i> | | | | R-1 ITEM NOMENCLATURE PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/ EW)</i> | | | | PROJECT 3227: <i>SEWIP Increment 2</i> | | | |
| COST (\$ in Millions) | FY 2009 Actual | FY 2010 Estimate | FY 2011 Base Estimate | FY 2011 OCO Estimate | FY 2011 Total Estimate | FY 2012 Estimate | FY 2013 Estimate | FY 2014 Estimate | FY 2015 Estimate | Cost To Complete | Total Cost |
| 3227: <i>SEWIP Increment 2</i> | 23.342 | 62.614 | 65.848 | 0.000 | 65.848 | 107.464 | 115.910 | 127.608 | 51.067 | Continuing | Continuing |
| Quantity of RDT&E Articles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| A. Mission Description and Budget Item Justification <p>The SEWIP Block 2 program is developing an upgraded antenna, receiver, and combat system interface for SLQ-32. The upgrades are necessary in order to pace the threat, improving detection, accuracy, and mitigation of Electromagnetic Interference (EMI). Beginning in FY11, development of SEWIP Block 3 will commence to add Electronic Attack capability. Future Budget Submissions will report SEWIP Block 3 RDT&E under a separate PU, in PE 0604757N.</p> <p>NOTE: FY 11 funding was reduced to fund higher Navy priorities.</p> | | | | | | | | | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | | | | | | |
| | | | | | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total | |
| SEWIP Increment 2 | | | | | | 23.205 | 62.614 | 61.133 | 0.000 | 61.133 | |
| <i>FY 2009 Accomplishments:</i> Awarded contract, commenced preliminary design of the SEWIP Block 2 system. | | | | | | | | | | | |
| <i>FY 2010 Plans:</i> Commence Engineering and Manufacturing Development (E&MD) of the SEWIP Block 2 system. | | | | | | | | | | | |
| <i>FY 2011 Base Plans:</i> Continue E&MD of SEWIP Block 2. Commence integrated testing. | | | | | | | | | | | |
| SEWIP Block 3 | | | | | | 0.000 | 0.000 | 4.715 | 0.000 | 4.715 | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy | | | | | | | DATE: February 2010 | | | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD) | | | R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/ EW) | | | PROJECT 3227: SEWIP Increment 2 | | | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | | | | | | |
| | | | | | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total | |
| FY 2011 Base Plans: Conduct Technology Maturation demonstration and testing in support of technology transition from the Office of Naval Research. | | | | | | | | | | | |
| DoD Acquisition Workforce Fund FY 2009 Accomplishments: Funded the DoD Acquisition Workforce Fund | | | | | | 0.137 | 0.000 | 0.000 | 0.000 | 0.000 | |
| Accomplishments/Planned Programs Subtotals | | | | | | 23.342 | 62.614 | 65.848 | 0.000 | 65.848 | |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | |
| Line Item | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total | FY 2012 | FY 2013 | FY 2014 | FY 2015 | Cost To Complete | Total Cost |
| • 0204228N/2312: OPN BA-2 AN/ SLQ-32(V) | 22.788 | 31.171 | 49.677 | 0.000 | 49.677 | 78.268 | 78.386 | 93.808 | 138.938 | Continuing | Continuing |
| D. Acquisition Strategy | | | | | | | | | | | |
| The Surface EW Improvement Program (SEWIP) will develop Block upgrades to SLQ-32 based on integrating technology advances and adding functional capabilities in an incremental fashion. Each Block and sub-Block will be developed and contracted in an individual yet coordinated and overlapping fashion. | | | | | | | | | | | |
| E. Performance Metrics | | | | | | | | | | | |
| Successfully achieve Block 2 Milestone B. | | | | | | | | | | | |
| Successfully achieve Block 2 MS C / Low Rate Initial Production (LRIP) Decision Review (DR). | | | | | | | | | | | |
| Successfully complete Block 2 Initial Operational Test & Evaluation (IOT&E). | | | | | | | | | | | |
| Successfully achieve Block 2 Full Rate Production (FRP) Decision Review (DR). | | | | | | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Navy | | | | | | | | | | | DATE: February 2010 | | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD) | | | | | R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/ EW) | | | | | PROJECT 3227: SEWIP Increment 2 | | | | |
| Product Development (\$ in Millions) | | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract | |
| Block 2 E&MD | C/CPIF | Lockheed Martin Syracuse, NY | 3.261 | 46.570 | Jan 2010 | 43.786 | Jan 2011 | 0.000 | | 43.786 | Continuing | Continuing | Continuing | |
| Block 2 Preliminary Development | C/CPIF | Lockheed Martin Syracuse, NY | 16.305 | 3.005 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 19.310 | Continuing | |
| Block 3 Technology Development | C/TBD | TBD TBD | 0.000 | 0.000 | | 0.420 | Jan 2011 | 0.000 | | 0.420 | Continuing | Continuing | Continuing | |
| Subtotal | | | 19.566 | 49.575 | | 44.206 | | 0.000 | | 44.206 | | | | |
| Remarks | | | | | | | | | | | | | | |
| Support (\$ in Millions) | | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract | |
| Block 2 Integrated Logistics Support | WR | NSWC Crane, DD, NRL, APL Various | 0.739 | 0.621 | Nov 2009 | 1.146 | Nov 2010 | 0.000 | | 1.146 | Continuing | Continuing | Continuing | |
| Block 2 Government Engineering Support | WR | NSWC Crane, DD, NRL, APL Various | 3.414 | 2.869 | Nov 2009 | 4.955 | Nov 2010 | 0.000 | | 4.955 | Continuing | Continuing | Continuing | |
| Block 3 Integrated Logistics Support | WR | NSWC Crane, DD, NRL, APL Various | 0.000 | 0.000 | | 0.418 | Nov 2010 | 0.000 | | 0.418 | Continuing | Continuing | Continuing | |
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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Navy | | | | | | | | | | | DATE: February 2010 | | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD) | | | | R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/ EW) | | | | PROJECT 3227: SEWIP Increment 2 | | | | | | |
| Support (\$ in Millions) | | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract | |
| Block 3 Government Engineering Support | WR | NSWC Crane, DD, NRL, APL Various | 0.000 | 0.000 | | 1.638 | Nov 2010 | 0.000 | | 1.638 | Continuing | Continuing | Continuing | |
| Subtotal | | | 4.153 | 3.490 | | 8.157 | | 0.000 | | 8.157 | | | | |
| Remarks | | | | | | | | | | | | | | |
| Test and Evaluation (\$ in Millions) | | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract | |
| Block 2 Test Planning/ T&E Events | WR | NSWC Crane, DD, NRL Various | 0.182 | 2.492 | Nov 2009 | 3.143 | Nov 2010 | 0.000 | | 3.143 | Continuing | Continuing | Continuing | |
| Subtotal | | | 0.182 | 2.492 | | 3.143 | | 0.000 | | 3.143 | | | | |
| Remarks | | | | | | | | | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Navy | | | | | | | | | | | DATE: February 2010 | | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i> | | | | R-1 ITEM NOMENCLATURE PE 0604757N: <i>Ship Self Def (Engage: Soft Kill//EW)</i> | | | | PROJECT 3227: <i>SEWIP Increment 2</i> | | | | | | |
| Management Services (\$ in Millions) | | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract | |
| Block 2 Program Management Support | C/FFP | SEAPORT Various | 1.094 | 2.645 | Jan 2010 | 3.503 | Nov 2010 | 0.000 | | 3.503 | Continuing | Continuing | Continuing | |
| Block 2 Program Management Support | WR | NSWC Crane, DD, PHD, NRL Various | 2.709 | 4.312 | Nov 2009 | 4.500 | Nov 2010 | 0.000 | | 4.500 | Continuing | Continuing | Continuing | |
| Block 2 Travel | WR | NAVSEA Program Office Travel Washington, DC | 0.054 | 0.100 | Nov 2009 | 0.100 | Nov 2010 | 0.000 | | 0.100 | Continuing | Continuing | Continuing | |
| Block 3 Program Management Support | C/TBD | TBD TBD | 0.000 | 0.000 | | 2.239 | Nov 2010 | 0.000 | | 2.239 | Continuing | Continuing | Continuing | |
| Block 2 DoD Acquisition Workforce Fund | Various/ Various | Various Various | 0.137 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.137 | Continuing | |
| Subtotal | | | 3.994 | 7.057 | | 10.342 | | 0.000 | | 10.342 | | | | |
| Remarks | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | Total Prior Years Cost | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | Cost To Complete | Total Cost | Target Value of Contract | |
| Project Cost Totals | | | 27.895 | 62.614 | | 65.848 | | 0.000 | | 65.848 | | | | |
| Remarks | | | | | | | | | | | | | | |

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Exhibit R-4, RDT&E Schedule Profile: PB 2011 Navy

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

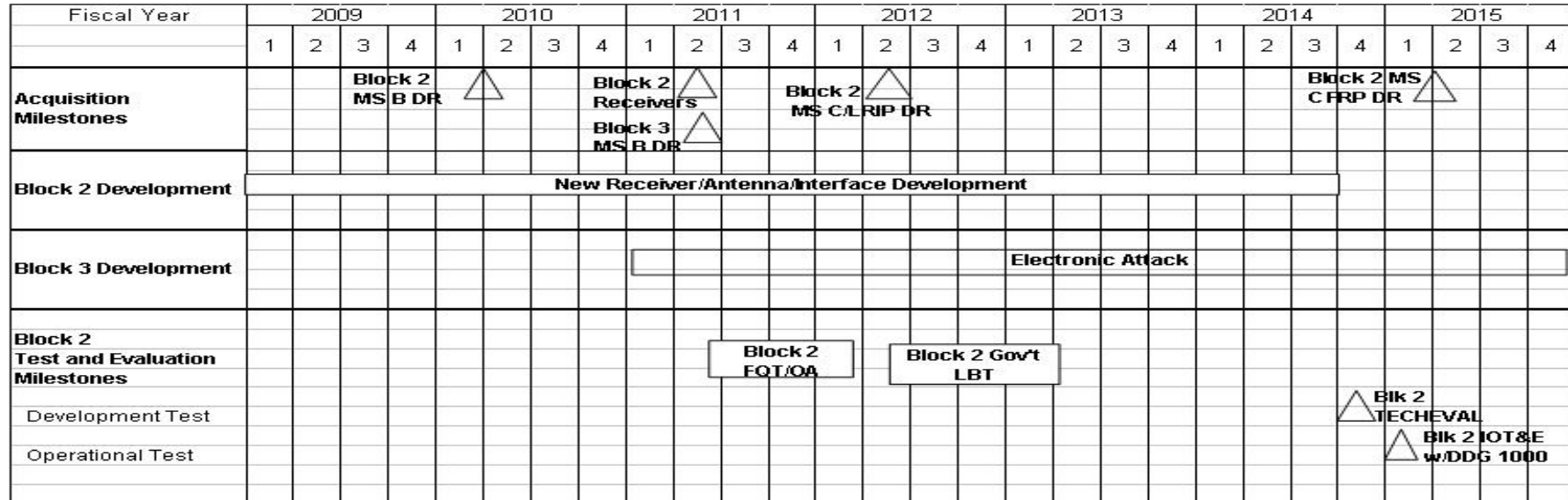
1319: Research, Development, Test & Evaluation, Navy
BA 5: Development & Demonstration (SDD)

R-1 ITEM NOMENCLATURE

PE 0604757N: Ship Self Def (Engage: Soft Kill/
EW)

PROJECT

3227: SEWIP Increment 2



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|---|---|--|----------------------------|
| Exhibit R-4A, RDT&E Schedule Details: PB 2011 Navy | | | DATE: February 2010 |
| APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i> | R-1 ITEM NOMENCLATURE PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/ EW)</i> | PROJECT 3227: <i>SEWIP Increment 2</i> | |

Schedule Details

| Event | Start | | End | |
|--|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| Block 2 MS B DR | 1 | 2010 | 2 | 2010 |
| Block 2 New Receiver/Antenna/Interface Development | 1 | 2009 | 3 | 2014 |
| Block 3 Electronic Attack | 1 | 2011 | 4 | 2015 |
| Block 2 Receivers | 2 | 2011 | 2 | 2011 |
| Block 3 MS B DR | 2 | 2011 | 2 | 2011 |
| Block 2 FQT/OA | 2 | 2011 | 1 | 2012 |
| Block 2 MS C/LRIP DR | 2 | 2012 | 2 | 2012 |
| Block 2 Gov't LBT | 2 | 2012 | 2 | 2013 |
| Block 2 TECHEVAL | 4 | 2014 | 4 | 2014 |
| Block 2 IOT&E w/DDG | 1 | 2015 | 1 | 2015 |
| Block 2 MS C FRP DR | 1 | 2015 | 2 | 2015 |

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|---|-----------------------|-------------------------|------------------------------|---|-------------------------------|-------------------------|-------------------------|---|-------------------------|-------------------------|-------------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy | | | | | | | | DATE: February 2010 | | | |
| APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i> | | | | R-1 ITEM NOMENCLATURE PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/ EW)</i> | | | | PROJECT 9999: <i>Congressional Adds</i> | | | |
| COST (\$ in Millions) | FY 2009 Actual | FY 2010 Estimate | FY 2011 Base Estimate | FY 2011 OCO Estimate | FY 2011 Total Estimate | FY 2012 Estimate | FY 2013 Estimate | FY 2014 Estimate | FY 2015 Estimate | Cost To Complete | Total Cost |
| 9999: <i>Congressional Adds</i> | 6.383 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 30.079 |
| Quantity of RDT&E Articles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| A. Mission Description and Budget Item Justification congressional add B. Accomplishments/Planned Program (\$ in Millions) | | | | | | | | | | | |
| | | | | | | | FY 2009 | FY 2010 | | | |
| Congressional Add: Nulka Decoy System and Mk 53 Decoy Launch System <i>FY 2009 Accomplishments:</i> Developed capability improvements for shipboard radars. | | | | | | | 1.596 | 0.000 | | | |
| Congressional Add: Shipboard Electronic Warfare Sustainment Training <i>FY 2009 Accomplishments:</i> Developed the capability to perform synthetic training for the SEI and HGHS. | | | | | | | 3.191 | 0.000 | | | |
| Congressional Add: Accelerated Improvement for Active Surface Electro <i>FY 2009 Accomplishments:</i> Developed display enhancements for the active variants of the AN/SLQ-32(V) system similar to those already provided for passive variants. | | | | | | | 1.596 | 0.000 | | | |
| Congressional Adds Subtotals | | | | | | | 6.383 | 0.000 | | | |

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|---|---|---|
| Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy | | DATE: February 2010 |
| APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i> | R-1 ITEM NOMENCLATURE PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/ EW)</i> | PROJECT 9999: <i>Congressional Adds</i> |
| C. Other Program Funding Summary (\$ in Millions) N/A | | |
| D. Acquisition Strategy N/A | | |
| E. Performance Metrics Congressional Adds | | |

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