Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy

Date: March 2014

Appropriation/Budget Activity
1319: Research, Development, Test & Evaluation, Navy / BA 7: Operational Systems Development

R-1 Program Element (Number/Name)
PE 0208058N / Joint High Speed Vessel (JHSV)

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</thead>
<tbody>
<tr>
<td>Total Program Element</td>
<td>35.885</td>
<td>1.759</td>
<td>0.986</td>
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<td>38.630</td>
</tr>
<tr>
<td>3134: Intratheater Connectors (Contract Design)</td>
<td>35.885</td>
<td>1.759</td>
<td>0.986</td>
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<td>38.630</td>
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</table>

MDAP/MAIS Code: 247

* The FY 2015 OCO Request will be submitted at a later date.

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

Future joint forces will be responsive, deployable, agile, versatile, lethal, survivable and sustainable. The nation will need lift assets that can provide for assured access, decrease predictability and dwell time, and have the capacity to quickly deliver troops and equipment together in a manner that provides for unit integrity. Joint High Speed Vessel (JHSV) will provide Combatant Commanders high-speed, intra-theater sealift mobility with inherent cargo handling capability and the agility to achieve positional advantage over operational distances. Not limited to major ports, the JHSV will be able to operate in austere port environments.

**B. Program Change Summary ($ in Millions)**

<table>
<thead>
<tr>
<th>Previous President's Budget</th>
<th>FY 2013</th>
<th>FY 2014</th>
<th>FY 2015 Base</th>
<th>FY 2015 OCO</th>
<th>FY 2015 Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current President's Budget</td>
<td>1.932</td>
<td>0.986</td>
<td>-</td>
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<tr>
<td>Total Adjustments</td>
<td>-0.173</td>
<td>-</td>
<td>-</td>
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</table>

- Congressional General Reductions
- Congressional Directed Reductions
- Congressional Rescissions
- Congressional Adds
- Congressional Directed Transfers
- Reprogrammings
- SBIR/STTR Transfer
- Rate/Misc Adjustments
- Congressional General Reductions

Adjustments

**Change Summary Explanation**

Schedule: IOC and completion of FOT&E delayed due to delivery delay of the first JHSV.

Cost: Reduced FY 2013 funding for sequestration reductions
A. Mission Description and Budget Item Justification

Future joint forces will be responsive, deployable, agile, versatile, lethal, survivable, and sustainable. The nation will need lift assets that can provide for assured access, decrease predictability and dwell time, and have the capacity to quickly deliver troops and equipment together in a manner that provides for unit integrity. Joint High Speed Vessel (JHSV) will provide combatant commanders high-speed intra-theater sealift mobility with inherent cargo handling capability and the agility to achieve positional advantage over operational distances. Not limited to major ports, the JHSV will be able to operate in austere port environments. The Joint High Speed Vessel is one of three programs in the Department's "Capital Account Pilot Program."

The primary objective of the T&E program is to ensure the JHSV is effective and suitable for its intended mission. The focus will be on reducing test time and cost through an appropriate combination of DT and OT events in order to achieve compatible objectives.

DT&E efforts include modeling and simulation (M&S), design analysis, inspection, component testing, system level testing, demonstration, ship trials, and PDT&T events. The JHSV T&E Program will coordinate DT&E and OT&E to bring the lead ship to Initial Operational Capability (IOC) in the most efficient and timely manner possible.

Operational testing will include an Operational Assessment (OA), Initial Operational Test and Evaluation (IOT&E) and Follow-on Operational Test and Evaluation (FOT&E). JHSV OT&E will be conducted as Multi-service OT&E events.

The objective of Live Fire Test and Evaluation (LFT&E) is to provide a timely and reasonable assessment of the survivability of the system as it progresses through its development and prior to full-rate production. The program will utilize existing commercial and military technologies to modify commercial high-speed ferry designs for military use. LFT&E is included in OT&E.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)

<table>
<thead>
<tr>
<th>Title: Intratheater Connectors (Contract Design)</th>
<th>FY 2013</th>
<th>FY 2014</th>
<th>FY 2015</th>
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<tbody>
<tr>
<td>Articles:</td>
<td>1.759</td>
<td>0.986</td>
<td>-</td>
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FY 2013 Accomplishments:
**UNCLASSIFIED**

**Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy**

<table>
<thead>
<tr>
<th>Appropriation/Budget Activity</th>
<th>R-1 Program Element (Number/Name)</th>
<th>Project (Number/Name)</th>
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<tbody>
<tr>
<td>1319 / 7</td>
<td>PE 0208058N / Joint High Speed Vessel (JHSV)</td>
<td>3134 / Intratheater Connectors (Contract Design)</td>
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</tbody>
</table>

**B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)**

Completed 90% of Post Delivery Test & Trials (PDT&T) to evaluate the performance of the JHSV. Completed 90% of IOT&E. Started Final Survivability Assessment Report. Completed TSST.

**FY 2014 Plans:**

**FY 2015 Plans:**
N/A

**Accomplishments/Planned Programs Subtotals**

<table>
<thead>
<tr>
<th></th>
<th>FY 2013</th>
<th>FY 2014</th>
<th>FY 2015</th>
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**C. Other Program Funding Summary ($ in Millions)**

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<tr>
<td>SCN/3043: SCN Joint High Speed Vessel</td>
<td>183.268</td>
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<td>4.590</td>
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<td>SCN/5300: SCN Joint High Speed Vessel</td>
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<td>14.000</td>
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<td>14.000</td>
<td>15.889</td>
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<td>29.889</td>
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**Remarks**

**D. Acquisition Strategy**
Two-phased strategy with competitive preliminary design effort leading to downselect to a single contractor. FPI contract type will be used for detail design and construction.

**E. Performance Metrics**
Completed the test plan development for the Total Ship Survivability Trial (TSST). Completed the efforts and tasks for Operational Test & Evaluation (OT&E) and Live Fire Test & Evaluation (LFT&E) necessary to successfully begin Initial Test and Evaluation (IOT&E) in FY13
### RDT&E Schedule Profile: PB 2015 Navy

#### Exhibition R-4

**Appropriation/Budget Activity**  
1319 / 7

**R-1 Program Element (Number/Name)**  
PE 0208058N / Joint High Speed Vessel (JHSV)

**Project (Number/Name)**  
3134 / Intratheater Connectors (Contract Design)

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#### Fiscal Year

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**Acquisition Milestones**

- IOC

**DT&E/OT&E/LFT&E**

- TSST
- Final Survivability Assessment
- FOT&E
- Complete Assessment Documentation

**Legend**

- DT&E – Developmental Test and Evaluation
- OT&E – Operational Test and Evaluation
- LFT&E – Live Fire Test and Evaluation
- IOC – Initial Operational Capability
- TSST – Total Ship Survivability Trial
- FOT&E – Follow-on Operational T&E