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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Navy	Date: February 2015
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Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy I BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0208058N I <i>Joint High Speed Vessel (JHSV)</i>							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	37.644	0.974	-	-	-	-	-	-	-	-	-	38.618
3134: <i>Intratheater Connectors (Contract Design)</i>	37.644	0.974	-	-	-	-	-	-	-	-	-	38.618

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)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	0.986	-	-	-	-
Current President's Budget	0.974	-	-	-	-
Total Adjustments	-0.012	-	-	-	-
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.012	-			

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
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)			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
3134: Intratheater Connectors (Contract Design)	37.644	0.974	-	-	-	-	-	-	-	-	-	38.618
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

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 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)

	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: Intratheater Connectors (Contract Design)	0.974	-	-	-	-
Articles:	-	-	-	-	-
FY 2014 Accomplishments: Completed Post Delivery Test & Trials (PDT&T). Conduct FOT&E. Completed IOT&E. Completed Final Survivability Assessment Report.					
FY 2015 Plans:					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Complete FOT&E. Complete Assessment Documentation. FY 2016 Base Plans: N/A FY 2016 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	0.974	-	-	-	-

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
• SCN/3043: SCN Joint High Speed Vessel	10.332	214.000	-	-	-	-	-	-	-	-	1,313.585
• SCN/5300: SCN Joint High Speed Vessel	-	-	26.235	-	26.235	6.545	-	-	-	-	32.780

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 Initial Operational Test and Evaluation (IOT&E). Completed Live Fire Test & Evaluation (LFT&E).

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
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)					
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Ship Integration	C/CPIF	Alion/CSC : VAR	6.638	-		-		-		-		-	-	6.638	-
Systems Engineering	C/CPIF	CSC : VAR	3.984	-		-		-		-		-	-	3.984	-
Studies & Analysis	C/FP	Austal : Mobile, AL	1.300	-		-		-		-		-	-	1.300	-
Subtotal			11.922	-		-		-		-		-	-	11.922	-
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support	WR	NSWC-CD : Carderock, MD	2.000	-		-		-		-		-	-	2.000	-
Integrated Logistics Support	C/CPIF	Alion : VAR	1.276	-		-		-		-		-	-	1.276	-
Configuration/Acquisition Management	C/CPIF	Alion/CSC : VAR	2.738	-		-		-		-		-	-	2.738	-
Technical Data	WR	NSWC-CD : Carderock, MD	0.755	-		-		-		-		-	-	0.755	-
Subtotal			6.769	-		-		-		-		-	-	6.769	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test and Evaluation	WR	VAR : VAR	1.458	-	Jan 2014	-		-		-		-	-	1.458	-
Operational Test & Evaluation	WR	COTF/MCOTEA/ATEC : VAR	6.538	0.974	Jan 2014	-		-		-		-	-	7.512	-
Live Fire Test & Evaluation	WR	VAR : VAR	4.568	-	Jan 2014	-		-		-		-	-	4.568	-
Subtotal			12.564	0.974		-		-		-		-	-	13.538	-

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Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Engineering Support	C/CPIF	CSC/Alion : VAR	1.698	-		-		-		-		-	-	1.698	-
Government Engineering Support	WR	NSWC-CD/NSWC-DD : VAR	2.252	-		-		-		-		-	-	2.252	-
Program Management Support	C/CPIF	Alion/CSC : VAR	1.964	-		-		-		-		-	-	1.964	-
Travel	Various	NAVSEA : VAR	0.436	-		-		-		-		-	-	0.436	-
DAWDF	WR	Not Specified : Not Specified	0.039	-		-		-		-		-	-	0.039	-
Subtotal			6.389	-		-		-		-		-	-	6.389	-
			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			37.644	0.974		-		-		-		-	-	38.618	-
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Navy			Date: February 2015		
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	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	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
Proj 3134																												
IOC																												
TSST																												
Final Survivability Assessment																												
FOT&E																												
Complete Assessment Documentation																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy			Date: February 2015
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Proj 3134</i>				
IOC	1	2014	1	2014
TSST	1	2014	1	2014
Final Survivability Assessment	1	2014	3	2014
FOT&E	1	2014	3	2015
Complete Assessment Documentation	3	2014	4	2015