

<b>CLASSIFICATION:</b>		<b>UNCLASSIFIED</b>								
<b>EXHIBIT R-2, RDT&amp;E BUDGET ITEM JUSTIFICATION</b>							<b>DATE</b> February 2008			
<b>APPROPRIATION/BUDGET ACTIVITY</b> <b>RD TEN/BA 5</b>				<b>R-1 ITEM NOMENCLATURE</b> <b>0604311N/LPD-17 CLASS SYSTEMS INTEGRATION</b>						
<b>COST (In Millions)</b>				<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
Total PE Cost				8.070	4.213	0.985	5.135	0.977	0.997	1.017
2283 / LPD-17 Class System Integration				8.070	4.213	0.985	5.135	0.977	0.997	1.017
<b>A. MISSION DESCRIPTION:</b>										
<p>The LPD 17 Class ships are functional replacements for 41 ships of four classes of amphibious ships. These new ships embark, transport, and land elements of Marine landing forces in an amphibious assault by helicopters, landing craft, and amphibious vehicles. Tactics, techniques, and tools for naval expeditionary warfare continue to evolve. The LPD 17 Class configuration must continue to adapt to this evolutionary process, because these ships are expected to be in service until almost 2050. The LPD 17 design includes systems configurations that reduce operating and support costs and facilitate operational performance improvements. The RDT&amp;E,N funding will be used for system engineering and integration efforts that will resolve obsolescence issues facing the LPD 17 class components, as well as develop further reductions in life cycle costs and will integrate performance upgrades in a rapid, affordable manner. These efforts will result in well-defined specifications and drawings in system integration design packages that provide technical baselines for follow-on ship procurements. This program is funded under Engineering and Manufacturing Development because it encompasses engineering and manufacturing development of new end items prior to production approval decision.</p>										
<b>B. PROGRAM CHANGE SUMMARY:</b>										
<b>Funding:</b>				<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>				
FY 2008 President's Budget				5.937	4.300	0.993				
FY 2009 President's Budget				8.070	4.213	0.985				
Total Adjustments				2.133	-0.087	-0.008				
Summary of Adjustments										
Misc. Adjustments				2.133	-0.087	-0.008				
<b>C. OTHER PROGRAM FUNDING SUMMARY:</b>										
<b>Line Item No. and Name</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>To Complete</b>	<b>Total Cost</b>	
BLI303600 (LPD 17 SCN)		1,497.826	103.216							
BLI303600 (LPD 17 SCN AP)	379.685	49.651								

<b>CLASSIFICATION:</b>		<b>UNCLASSIFIED</b>					
<b>EXHIBIT R-2a, RDT&amp;E PROJECT JUSTIFICATION</b>					DATE February 2008		
<b>APPROPRIATION/BUDGET ACTIVITY</b> <b>RD TEN/BA 5</b>		<b>PROGRAM ELEMENT NUMBER AND NAME</b> <b>0604311N/LPD-17 CLASS SYSTEMS INTEGRATION</b>			<b>PROJECT NUMBER AND NAME</b> <b>2283/LPD-17 Class System Integration</b>		
COST (In Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	8.070	4.213	0.985	5.135	0.977	0.997	1.017
RDT&E Articles Qty	0	0	0	0	0	0	0

**A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:**

The LPD 17 Class ships are functional replacements for 41 ships of four classes of amphibious ships. These new ships embark, transport, and land elements of Marine landing forces in an amphibious assault by helicopters, landing craft, and amphibious vehicles. Tactics, techniques, and tools for naval expeditionary warfare continue to evolve. The LPD 17 Class configuration must continue to adapt to this evolutionary process, because these ships are expected to be in service until almost 2050. The LPD 17 design includes systems configurations that reduce operating and support costs and facilitate operational performance improvements. System engineering and integration efforts that began in FY 1997 will develop further reductions in life cycle costs and will integrate performance upgrades in a rapid, affordable manner. Possible improvements include advanced sensors, advanced computers, advanced command and control software, advanced information systems technologies, and ship based logistics concepts. Cost reduction and improved performance will be accomplished through sustained modeling and simulation efforts, continued personnel reductions efforts, system performance tradeoff evaluation, and naval expeditionary warfare systems engineering. Feedback from the operational forces for integrating system configurations will be accomplished through the Naval Expeditionary Warfare Centers in Quantico, Dahlgren, and Little Creek, Virginia. These efforts will result in well-defined specifications and drawings in system integration design packages that provide technical baselines for follow-on ship procurements.

<b>CLASSIFICATION:</b>		<b>UNCLASSIFIED</b>	
<b>EXHIBIT R-2a, RDT&amp;E PROJECT JUSTIFICATION</b>			DATE February 2008
APPROPRIATION/BUDGET ACTIVITY <b>RD TEN/BA 5</b>	PROGRAM ELEMENT NUMBER AND NAME <b>0604311N/LPD-17 CLASS SYSTEMS INTEGRATION</b>	PROJECT NUMBER AND NAME <b>2283/LPD-17 Class System Integration</b>	
<b>B. ACCOMPLISHMENTS/PLANNED PROGRAM:</b>			
	FY 2007	FY 2008	FY 2009
<b>Systems Engineering/Integration</b>	3.236	3.913	0.985
RDT&E Articles Quantity	0	0	0
Continue Naval Expeditionary Warfare Systems Engineering efforts and Integration efforts for unique LPD 17 Class systems, including efforts to resolve obsolescence issues impacting the class.			
	FY 2007	FY 2008	FY 2009
<b>OT&amp;E</b>	4.834	0.300	0.000
RDT&E Articles Quantity	0	0	0
Funding allows for operational test force support, range time, procurement of rounds/targets for testing, and other related costs as defined by the Test and Evaluation Master Plan (TEMP). Operational Testing is on-going and will finish in FY 2008.			

<b>CLASSIFICATION:</b>		<b>UNCLASSIFIED</b>										
<b>EXHIBIT R-3, RDT&amp;E PROJECT COST ANALYSIS</b>										DATE February 2008		
<b>APPROPRIATION/BUDGET ACTIVITY</b> <b>RDTEN/BA 5</b>		<b>PROGRAM ELEMENT NUMBER AND NAME</b> <b>0604311N/LPD-17 CLASS SYSTEMS INTEGRATION</b>					<b>PROJECT NUMBER AND NAME</b> <b>2283/LPD-17 Class System Integration</b>					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY Cost (\$000)	FY 2007 Cost (\$000)	FY 2007 Award Date	FY 2008 Cost (\$000)	FY 2008 Award Date	FY 2009 Cost (\$000)	FY 2009 Award Date	Cost to Complete (\$000)	Total Cost (\$000)	Target Value of Contract
Systems Engineering and Integration	Various	Various	2.700	3.236	SEP-07	3.913	FEB-08	0.985	DEC-08	4.048	14.882	0.000
<b>Subtotal Product Development</b>			<b>2.700</b>	<b>3.236</b>		<b>3.913</b>		<b>0.985</b>		<b>4.048</b>	<b>14.882</b>	<b>0.000</b>
Remarks:												
<b>Subtotal Support Costs</b>			<b>0.000</b>	<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
Remarks:												
OT&E/Interoperability	WR	OPTEVFOR	6.258	4.834	NOV-06	0.300	NOV-07	0.000		0.000	11.392	0.000
<b>Subtotal Test and Evaluation</b>			<b>6.258</b>	<b>4.834</b>		<b>0.300</b>		<b>0.000</b>		<b>0.000</b>	<b>11.392</b>	<b>0.000</b>
Remarks:												
<b>Total Cost</b>			<b>8.958</b>	<b>8.070</b>		<b>4.213</b>		<b>0.985</b>		<b>4.048</b>	<b>26.274</b>	<b>0.000</b>

<b>CLASSIFICATION:</b>		<b>UNCLASSIFIED</b>																										
<b>EXHIBIT R-4, SCHEDULE PROFILE</b>			DATE February 2008																									
<b>APPROPRIATION/BUDGET ACTIVITY</b> <b>RD TEN/BA 5</b>		<b>PROGRAM ELEMENT NUMBER AND NAME</b> <b>0604311N/LPD-17 CLASS SYSTEMS INTEGRATION</b>																										
		<b>PROJECT NUMBER AND NAME</b> <b>2283/LPD-17 Class System Integration</b>																										
Fiscal Year	2007				2008				2009				2010				2011				2012				2013			
	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
<b>Acquisition Milestones</b>				IOC ★								MS III △																
<b>Test &amp; Evaluation Milestones</b>																												
Development Test																												
Operational Test					OT-IIC OPEVAL																							
Deliveries (LPD 19 - 25)				△				△				△				△				△				△				

<b>CLASSIFICATION:</b>		<b>UNCLASSIFIED</b>						
<b>EXHIBIT R-4a, SCHEDULE DETAIL</b>						DATE February 2008		
<b>APPROPRIATION/BUDGET ACTIVITY</b> <b>RD TEN/BA 5</b>		<b>PROGRAM ELEMENT NUMBER AND NAME</b> <b>0604311N/LPD-17 CLASS SYSTEMS INTEGRATION</b>			<b>PROJECT NUMBER AND NAME</b> <b>2283/LPD-17 Class System Integration</b>			
Schedule Profile		FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Operational Evaluation (OT-IIC) (OPEVAL)		1Q - 4Q	1Q - 2Q					
Lead Ship IOC			1Q					
Milestone III				4Q				