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CLASSIFICATION:

EXHIBIT R-2, RDT&I							DATE: February 2003	
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-4					R-1 ITEM NOMENCLATURE PE 0604327N Hardened Target Munitions			
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Total PE Cost	0.0	0.0	0.0	9.8	9.8	10.8	0.0	0.0
Project J2331 Hardened Target Munitions				9.8	9.8	10.8		

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

The three-year Submarine Encapsulated Launch Demonstration (SELD) of the Army's Advanced Tactical Missile System (ATACMS) missile from a Ship, Submersible, Guided Nuclear (SSGN) will demonstrate the capability for SSGN to Suppress Enemy Air Defenses (SEAD), neutralize Hardened Deeply Buried Targets (HDBT) and swiftly deal with Time Critical Targets (TCT) operating alone and in joint forces operations. This demonstration will show the flexibility that encapsulated launch systems will provide to the current SSGN-Tomahawk (TLAM) baseline by allowing for various weapon mixes; and thus, expanding and enhancing the SSGN mission capabilities.

This will be a three-year program to develop the system concept and architecture for encapsulated launch of the ATACMS payload and to integrate the technology into full-scale ATACMS missile (or Boost Test Vehicles (BTV)) launches from an SSBN that is in the process of SSGN conversion. The demonstration effort will include the design of a demonstration capsule, a "module" that will support the encapsulated missile within the launch tube, and missile/capsule/module integration. Ground tests of the encapsulated ATACMS will be performed in FY 2006, followed by the underwater launch of encapsulated ATACMS BTV in FY 2007.

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Exhibit R-2, RDTEN Budget Item Justification
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EXHIBIT R-2, RDT&E Budget Item Justification		DATE:	February 2003
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-4		R-1 ITEM NOMENCLATURE PE 0604327N- Demonstration and Validation	

B. (U) Program Change Summary:

	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY2005</u>
Previous President's Budget: (FY 2003 President's controls)	0	0	0	0
Current President's Budget: (FY 2004 Presidents controls)	0	0	0	9.8
Total Adjustments:	0	0	0	9.8
Summary of Adjustments:				
Nuclear Posture Review – Strategic Systems				10.0
Economic Assumptions				-0.2

C. (U) Other Program Funding Summary: See enclosed R-2a for each individual project data.

D. (U) Acquisition Strategy: See enclosed R-2a for each individual project data.

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EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2003
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-4	PROJECT NUMBER AND NAME Hardened Target Munitions J2331	

COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Project Cost J2331 Hardened Target Munitions	0.0	0.0	0.0	9.8	9.8	10.8	0.0	0.0
RDT&E Articles Qty								

C. (U) MISSION DESCRIPTION AND BUDGET PROJECT JUSTIFICATION:

The three-year Submarine Encapsulated Launch Demonstration (SELD) of the Army's Advanced Tactical Missile System (ATACMS) missile from a Ship, Submersible, Guided Nuclear (SSGN) will demonstrate the capability for SSGN to Suppress Enemy Air Defenses (SEAD), neutralize Hardened Deeply Buried Targets (HDBT) and swiftly deal with Time Critical Targets (TCT) operating alone and in joint forces operations. This demonstration will show the flexibility that encapsulated launch systems will provide to the current SSGN-Tomahawk (TLAM) baseline by allowing for various weapon mixes; and thus, expanding and enhancing the SSGN mission capabilities.

This will be a three-year program to develop the system concept and architecture for encapsulated launch of the ATACMS payload and to integrate the technology into two full-scale ATACMS (or Boost Test Vehicles (BTv)) launches from an SSBN that is in the process of SSGN conversion. The demonstration effort will include the design of a demonstration capsule, a "module" that will support the encapsulated missile within the launch tube, and missile/capsule/module integration. Ground tests of the encapsulated ATACMS will be performed in FY 2006, followed by the underwater launch of encapsulated ATACMS BTv in FY 2007.

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Exhibit R-2a, RDTE Project Justification
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EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2003
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-4		PROJECT NUMBER AND NAME Hardened Target Munitions J2331

B. (U) Accomplishments/Planned Program

	FY 2002	FY 2003	FY 2004	FY 2005
Submarine Encapsulated Launch Demo				9.8
RDT&E Articles Quantity				

(U) FY 2002 PLAN N/A

(U) FY 2003 PLAN N/A

(U) FY 2004 PLAN N/A

(U) FY 2005 PLAN N/A

- (U) (\$9.8) Initiate Submarine Encapsulated Launch Demonstration efforts.
FY 2005 efforts include:
 - (U) Initiate and complete capsule design development concept
 - (U) Initiate and complete Launch Environment Hydro/CFD analysis
 - (U) Initiate Capsule Test Module development design
 - (U) Initiate Missile/Capsule/Module design integration
 - (U) Identify GFE/GFI and Long Lead material needs
 - (U) Finalize Program Plans and Demo Test requirements
 - (U) Initiate cycle for Navy's technical DEMO test processes approvals

C. (U) Other Program Funding Summary: (Dollars in Thousands)

	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	Total <u>Complete</u>	Total <u>Cost</u>
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

D. (U) Acquisition Strategy: TBD

E. (U) Major Performers:

TBD

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Exhibit R-3 Cost Analysis			DATE:	February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT	PROJECT NUMBER AND NAME		
RDT&E, N BA-4	PE 0604327N Demonstration and Validation	Hardened Target Munitions J2331		

Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Ancillary Hardware Development	TBD*	TBD*	N/A					9.8	10/04	Cont.	Cont.	TBD
Subtotal Product Development								9.8				

Remarks: * The contractor(s) for this effort have not been identified. The contract vehicle will be multi-year with incentives (Incentive Fee/Award Fee) options. Specifics will be identified as part of the acquisition process and contractor selection.

Total Cost			0.0	0.0		0.0		9.8		Cont.	Cont.	

Remarks: