

UNCLASSIFIED

FY 2000 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: February 1999

BUDGET ACTIVITY: 4

PROGRAM ELEMENT: 0603790N

PROGRAM ELEMENT TITLE: NATO Research and Development

(U) COST: (Dollars in Thousands)

PROJECT NUMBER & TITLE	FY 1998 ACTUAL	FY 1999 ESTIMATE	FY 2000 ESTIMATE	FY 2001 ESTIMATE	FY 2002 ESTIMATE	FY 2003 ESTIMATE	FY 2004 ESTIMATE	FY 2005 ESTIMATE	TO COMPLETE	TOTAL PROGRAM
R2293	NATO Cooperative Research and Development (R&D)									
	5,526	8,852	5,461	9,053	11,670	11,748	11,948	12,447	CONT.	CONT.

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This project provides funding for the continuation of on-going research and development identification and projects between the U.S. Navy and allies under ASN(RD&A) or USD(A&T) signed international agreements in accordance with Title 10 U.S. Code Section 2350a. Many of these projects were initiated under OSD PE 0603790D in prior years.

(U) JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under DEMONSTRATION & VALIDATION because it develops and integrates hardware for experimental tests related to specific ship or aircraft applications.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. (U) FY 1998 ACCOMPLISHMENTS:

- (U) (\$1,386) Supported on-going Navy efforts on the U.S./Japanese Cooperative Material Project for Advanced Steel initiated with OSD funding.

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Budget Item Justification
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- (U) (\$1,016) Supported on-going work on the High-Speed Protocol Project with France initiated with OSD funding.
 - (U) (\$395) Provided support for negotiation of the Vector project Memorandum of Agreement between the U.S. and Germany.
 - (U) (\$99) Supported on-going work on the U.S./Norway joint project on Composite Hull Embedded Sensor System initiated with OSD funding.
 - (U) (\$1,650) Supported on-going Navy work related to the U.S./United Kingdom development of the Intercooled Recuperated (ICR) Gas Turbine Engine.
 - (U) (\$230) Supported work on the Unmanned Undersea Vehicle cooperative R&D project between the U.S. and France initiated with OSD funding.
 - (U) (\$600) Supported on-going work on the U.S./U.K. Trimaran Demonstrator Project initiated with OSD funding.
 - (U) (\$150) Supported on-going work on the U.S./Germany joint project on Computer Codes for Predicting Underwater Explosion Effects.
2. (U) FY 1999 PLAN:
- (U) (\$1,000) Support on-going work related to the U.S./United Kingdom Anti-Torpedo Torpedo cooperative R&D project.
 - (U) (\$1,600) Support on-going work related to the cooperative R&D program between the U.S. and U.K. for Trimaran Hull initiated with OSD funding.
 - (U) (\$1,150) Support on-going work on the U.S./Japanese Cooperative Material Project for Advanced Steel.
 - (U) (\$2,500) Support work on the Vector Project between the U.S. and Germany.
 - (U) (\$902) Support efforts on the High Speed Protocol Project with France.
 - (U) (\$400) Supported work on the Unmanned Undersea Vehicle cooperative R&D project between the U.S. and France initiated with OSD funding.
 - (U) (\$300) Support on-going Navy work related to the U.S./United Kingdom development of the Intercooled Recuperated (ICR) Gas Turbine Engine.
 - (U) (\$1,000) Support Norwegian Mineclearing.

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3. (U) FY 2000 PLAN:

- (U) (\$3,000) Support work on the Vector Project between the U.S. and Germany.
- (U) (\$500) Support Fiber Optic Bottom Mounted Acoustic Array.
- (U) (\$961) Support efforts on the Multilateral MOU for Interoperable Network for Secure Communications.
- (U) (\$200) Support on-going work related to the U.S./United Kingdom Anti-Torpedo Torpedo cooperative R&D project.
- (U) (\$600) Support on-going Navy efforts on the U.S./Japanese Cooperative Material Project for Advanced Steel initiated with OSD funding.
- (U) (\$100) Support work related to the Standoff Sensors for Non-Acoustic ASW with the U. K.
- (U) (\$100) Support work related to the Improved Submarine Launched Mobile Mine with Australia.

B. (U) PROGRAM CHANGE SUMMARY:

	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>
(U) FY 1999 President's Budget:	9,672	11,004	10,922
(U) Appropriated Value:	-	9,004	-
(U) Adjustments from FY 1999 PRESBUDG:	-4,146	-2,152	-5,461
(U) FY 2000 President's Budget Submission:	5,526	8,852	5,461

(U) CHANGE SUMMARY EXPLANATION:

(U) Funding: FY 1998 adjustments are due to SBIR assessment (-146), Comparability Adjustment (-1,000), and Omnibus Recession (-3,000). FY 1999 adjustments are due to Revised Economic Assumptions (-21), Civilian Personnel Underexecution (-20), General Reduction (-2,000), and Contract Advisory and Assistance Services (-111). FY 2000 adjustments are due to Undistributed Reduction (-79), NWC Rates (72), net zero realignment of funds from NATO R&D PE into project PEs to provide a single funding source for work under signed NATO Cooperative R&D International Agreements in accordance with Title 10 Section 2350a(-5,415), Civilian Pay Rates (55), Non Pay Inflation (-84), and Working Capital Fund (-10).

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(U) Schedule: Not applicable.

(U) Technical: Not applicable.

C. (U) OTHER PROGRAM FUNDING SUMMARY: Not applicable.

(U) RELATED RDT&E:

(U) PE 0603790D (NATO Cooperative Research and Development)

(U) PE 0605853N (Management, Technical and International Support)

(U) PE 0605130D (Foreign Comparative Testing)

D. (U) SCHEDULE PROFILE: Not applicable.

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Budget Item Justification
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FY 2000/2001 RDT&E,N PROGRAM ELEMENT/PROJECT COST BREAKDOWN

DATE: February 1999

BUDGET ACTIVITY: 4

PROGRAM ELEMENT: 0603790N

PROJECT NUMBER: R2293

PROGRAM ELEMENT TITLE: NATO Research and Development

PROJECT TITLE: NATO Cooperative R&D

A. (U) PROJECT COST BREAKDOWN: (\$ in thousands)

Project Cost Categories	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>
a. Cooperative Research and Development	5,526	8,852	5,461

B. (U) BUDGET ACQUISITION HISTORY AND PLANNING INFORMATION:

PERFORMING ORGANIZATIONS

Contractor/ Government Performing Activity	Contract Method/ Fund Type Vehicle	Award/ Oblig Date	Perform Activity EAC	Project Office EAC	Total FY 1997 & Prior	FY 1998 Budget	FY 1999 Budget	FY 2000 Budget	To Complete	Total Program
Product Development										
Westinghouse	C/CPAF	12/26/91			2,646	230	400	0	CONT.	CONT.
NSWC-CD	WX	1/31/97			2,500	900	1,625	180	CONT.	CONT.
Boeing					0	316	2,000	2,400		
Miscellaneous					4,235	4,080	4,827	2,881	CONT.	CONT.

Support and Management: Not applicable.

Test and Evaluation: Not applicable.

GOVERNMENT FURNISHED PROPERTY: Not applicable.

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RDT&E PE/Project Cost Breakdown
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FY 2000/2001 RDT&E,N PROGRAM ELEMENT/PROJECT COST BREAKDOWN

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PROGRAM ELEMENT: 0603790N

PROJECT NUMBER: R2293

PROGRAM ELEMENT TITLE: NATO Research and Development

PROJECT TITLE: NATO Cooperative R&D

	<u>Total</u> <u>FY 1997</u> <u>& Prior</u>	<u>FY 1998</u> <u>Budget</u>	<u>FY 1999</u> <u>Budget</u>	<u>FY 2000</u> <u>Budget</u>	<u>To</u> <u>Complete</u>	<u>Total</u> <u>Program</u>
Subtotal Product Development	9,381	5,526	8,852	5,461	CONT.	CONT.
Subtotal Support and Management	0	0	0	0	0	0
Subtotal Test and Evaluation	0	0	0	0	0	0
Total Project	9,381	5,526	8,852	5,461	CONT.	CONT.

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RDT&E PE/Project Cost Breakdown
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