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FY 2004/2005 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET
Exhibit R-2

DATE: February 2003

BUDGET ACTIVITY: 4 PROGRAM ELEMENT: 0603790N
PROGRAM ELEMENT TITLE: NATO Research and Development

COST: (Dollars in Thousands)

PROJECT NUMBER/ TITLE	FY 2002 ACTUAL	FY 2003 ESTIMATE	FY 2004 ESTIMATE	FY 2005 ESTIMATE	FY 2006 ESTIMATE	FY 2007 ESTIMATE	FY 2008 ESTIMATE	FY 2009 ESTIMATE
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R2293 NATO Cooperative Research and Development (R&D)	12,293	11,326	11,469	11,955	12,192	12,423	12,646	12,878
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A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: In accordance with Title 10 U.S. Code Section 2350a, this PE provides funding for research and development projects with approved allies under international agreements. These funds can only be applied to work efforts in the U.S., and the Under Secretary of Defense, Acquisition and Technology (USD,A&T) must approve each international agreement. The program provides funds for multiple projects under separately approved international agreements as well as funds that support the establishment of such agreements. Each international agreement is summarized in a separate Summary Statement of Intent (SSOI) which also states why the project serves to increase the conventional defense capabilities of the U.S.

B. PROGRAM CHANGE SUMMARY:

	FY 2002	FY 2003	FY 2004	FY 2005
FY 2003 President's Budget Submission:	11,449	11,581	11,804	12,276
Adjustments from FY 2003 President's Budget:				
FY 2002 SBIR	-213			
Cong. Rescissions/Adjustments/Undist. Reductions	-58	-132		
NWCF Rate Adjustments			-6	5
Execution Adjustments	1,115			
Efficiencies at NWCF Activities			-64	-68
Pay Raise/Inflation Adjustments		-123	-265	-258
FY 2004/2005 President's Budget Submission:	12,293	11,326	11,469	11,955

PROGRAM CHANGE SUMMARY EXPLANATION:

Schedule: Not applicable
Technical: Not applicable

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FY 2004/2005 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET
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DATE: February 2003

BUDGET ACTIVITY: 4 PROGRAM ELEMENT: 0603790N
PROGRAM ELEMENT TITLE: NATO Research and Development

Project Number: R2293
Project Title: NATO
Cooperative R&D

COST: (Dollars in Thousands)

PROJECT NUMBER/ TITLE	FY 2002 ACTUAL	FY2003 ESTIMATE	FY 2004 ESTIMATE	FY 2005 ESTIMATE	FY 2006 ESTIMATE	FY 2007 ESTIMATE	FY 2008 ESTIMATE	FY 2009 ESTIMATE
R2293 NATO Cooperative R&D	12,293	11,326	11,469	11,955	12,192	12,423	12,646	12,878

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: In accordance with Title 10 U.S. Code Section 2350a, this project provides funding for research and development projects with approved allies under international agreements. These funds can only be applied to work efforts in the U.S., and the Under Secretary of Defense, Acquisition and Technology (USD,A&T) must approve each international agreement. The program provides funds for multiple projects under separately approved international agreements as well as funds that support the establishment of such agreements. Each international agreement is summarized in a separate Summary Statement of Intent (SSOI) which also states why the project serves to increase the conventional defense capabilities of the U.S.

B. ACCOMPLISHMENTS/PLANNED PROGRAM:

	FY 02	FY 03	FY 04	FY 05
Cooperative Projects	12,293	11,326	11,469	11,955

FY 2002 ACCOMPLISHMENTS:

- Supported on-going efforts on the Anti-Torpedo cooperative project between the U.S. and the United Kingdom.
- Supported Fiber Laser Sensor cooperative project between the U.S. and the United Kingdom.
- Supported the Multilateral Memorandum of Understanding (MOU) for Interoperable Networks for Secure Communication.
- Supported on-going efforts on the Multilateral MOU for LW-155 Howitzer.
- Supported the Modeling and Simulation cooperative project between the U.S and the United Kingdom.
- Supported the Naval Combat Systems Interoperability Technology cooperative project between the U.S. and the United Kingdom.
- Supported the Occupational Picture Interoperability for Coalition Warfare cooperative project between the U.S. and France.
- Supported the Dynamic Failure Prediction of Joints in Composite Sandwich Structures cooperative project between the U.S. and the Netherlands.

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- Supported the Six (6) Degrees of Freedom Ship Roll cooperative project between the U.S. and Italy.
- Supported the Software Radio cooperative project between the U.S. and Japan.
- Supported the Multilateral MOU for Standard Missile Family.
- Supported the Surface Ship Torpedo Defense cooperative project between the U.S. and the United Kingdom.
- Supported the Vulnerability of Torpedo to Underwater Explosions cooperative project between the U.S. and Germany.
- Supported the Unmanned Undersea Vehicle for Mine Countermeasures cooperative project between the U.S. and the United Kingdom.
- Supported the Fiber Optic Bottom Mounted Acoustic Array cooperative project between the U.S. and the United Kingdom.

FY 2003 PLANS:

- Continue to provide support for the identification and development of MOUs with one or more approved major allies for the purpose of conducting cooperative research and development projects on defense equipment and munitions. These international agreements (MOUs) are approved by USD,A&T and are summarized in separate SSOIs.

FY 2004 PLANS:

- Continue to provide support for the identification and development of MOUs with one or more approved major allies for the purpose of conducting cooperative research and development projects on defense equipment and munitions. These international agreements (MOUs) are approved by USD,A&T and are summarized in separate SSOIs.

FY 2005 PLANS:

- Continue to provide support for the identification and development of MOUs with one or more approved major allies for the purpose of conducting cooperative research and development projects on defense equipment and munitions. These international agreements (MOUs) are approved by USD,A&T and are summarized in separate SSOIs.

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C. OTHER PROGRAM FUNDING SUMMARY:

NAVY RELATED RDT&E:

PE 0605853N (Management, Technical and International Support)

NON-NAVY RELATED RDT&E:

PE 0605130D (Foreign Comparative Testing)

D. ACQUISITION STRATEGY: Not applicable

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FY 2004/2005 RDT&E,N PROGRAM ELEMENT/PROJECT COST BREAKDOWN
Exhibit R-3

DATE: February 2003

BUDGET ACTIVITY: 4 PROGRAM ELEMENT: 0603790N
PROGRAM ELEMENT TITLE: NATO Research and Development

Project Number: R2293
Project Title: NATO
Cooperative R&D

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

Project Cost Categories	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
a. Cooperative Research and Development	12,293	11,326	11,469	11,955

B. BUDGET ACQUISITION HISTORY AND PLANNING INFORMATION:

PERFORMING ORGANIZATIONS

Contractor/ Government Performing <u>Activity</u>	Contract Method/ Fund Type <u>Vehicle</u>	Award/ Oblig <u>Date</u>	Perform Activity <u>EAC</u>	Project Office <u>EAC</u>	<u>FY 2002</u> <u>Budget</u>	<u>FY 2003</u> <u>Budget</u>	<u>FY 2004</u> <u>Budget</u>	<u>FY 2005</u> <u>Budget</u>	To <u>Complete</u>	Total <u>Program</u>
Product Development										
NAVSEA	PD				1,370	2,500	2,000		CONT.	CONT.
NSWC-CD	WX				1,005	900	500		CONT.	CONT.
NUWC	WX				571	450	500		CONT.	CONT.
Miscellaneous					6,582	5,976	6,769	11,955	CONT.	CONT.
NAVAIR	WX				1,115					

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Contractor/ Government Performing <u>Activity</u>	Contract Method/ Fund Type <u>Vehicle</u>	Award/ Oblig <u>Date</u>	Perform Activity <u>EAC</u>	Project Office <u>EAC</u>	FY 2002 <u>Budget</u>	FY 2003 <u>Budget</u>	FY 2004 <u>Budget</u>	FY 2005 <u>Budget</u>	To <u>Complete</u>	Total <u>Program</u>
Support and Management										
NRL	WX				280					
SPAWAR	PD				1,370	1,500	1,700			

Contractor/ Government Performing <u>Activity</u>	Contract Method/ Fund Type <u>Vehicle</u>	Award/ Oblig <u>Date</u>	Perform Activity <u>EAC</u>	Project Office <u>EAC</u>	FY 2002 <u>Budget</u>	FY 2003 <u>Budget</u>	FY 2004 <u>Budget</u>	FY 2005 <u>Budget</u>	To <u>Complete</u>	Total <u>Program</u>
Test and Evaluation										

GOVERNMENT FURNISHED PROPERTY: Not applicable.

	FY 2002 <u>Budget</u>	FY 2003 <u>Budget</u>	FY 2004 <u>Budget</u>	FY 2005 <u>Budget</u>	To <u>Complete</u>	Total <u>Program</u>
Subtotal Product Development	10,643	9,826	9,769	11,955	CONT.	CONT.
Subtotal Support and Management	1,650	1,500	1,700		CONT.	CONT.
Subtotal Test and Evaluation	0	0	0		0	0
Total Project	12,293	11,326	11,469	11,955	CONT.	CONT.

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R-1 Line Item No. 78

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R-4a Schedule Profile - Item No. 78

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Exhibit R-4a, Schedule Detail
(Exhibit R-4a, page 2 of 2)