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FY 2007 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET
Exhibit R-2

DATE: Feb 2006

BUDGET ACTIVITY: 04
PROGRAM ELEMENT: 0603790N
PROGRAM ELEMENT TITLE: NATO RESEARCH AND DEVELOPMENT

COST: (Dollars in Thousands)

Project Number & Title	FY 2005 Actual	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate
Total PE	10,017	10,174	9,784	10,171	10,315	10,556	10,813

2293 NATO COOPERATIVE RESEARCH AND DEVELOPMENT (R&D)	10,017	10,174	9,784	10,171	10,315	10,556	10,813
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A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: In accordance with Title 10 United States (U.S.) Code Section 2350a, this Program Element provides funding for research and development (R&D) programs 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) that also states why the project serves to increase the defense capabilities of the U.S.

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B. PROGRAM CHANGE SUMMARY:

	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
FY 2006 President's Budget Submission	10,053	10,335	10,563
Congressional Undistributed Reductions/Rescissions	-8	-161	0
Functional Realignment for OPNAV Program Support Costs	0	0	-183
FY 2005 SBIR	-30	0	0
Program Adjustments	2	0	-621
Rate Adjustments	0	0	25
FY 2007 President's Budget Submission	10,017	10,174	9,784

PROGRAM CHANGE SUMMARY EXPLANATION:

Technical: Not applicable.

Schedule: Not applicable.

C. OTHER PROGRAM FUNDING SUMMARY:

Not applicable.

D. ACQUISITION STRATEGY:

Not applicable.

E. PERFORMANCE METRICS:

The intent of the North Atlantic Treaty Organization (NATO) cooperative R&D program is to provide "start-up" funds for projects seeking allied contributions into cooperative research and development projects with the U.S. The primary metric used in the program is foreign contributions into projects supported by the program. The performance goal is met if total foreign contributions into projects exceed total NATO cooperative R&D program funds by over 100%.

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Exhibit R-2a

DATE: Feb 2006

BUDGET ACTIVITY: 04

PROGRAM ELEMENT: 0603790N

PROJECT NUMBER: 2293

PROGRAM ELEMENT TITLE: NATO RESEARCH AND DEVELOPMENT

PROJECT TITLE: NATO COOPERATIVE RESEARCH AND DEVELOPMENT (R&D)

COST: (Dollars in Thousands)

Project Number & Title	FY 2005 Actual	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate
2293 NATO COOPERATIVE RESEARCH AND DEVELOPMENT (R&D)	10,017	10,174	9,784	10,171	10,315	10,556	10,813

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 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 SSOI which also states why the project serves to increase the conventional defense capabilities of the U.S.

B. ACCOMPLISHMENTS/PLANNED PROGRAM:

	FY 2005	FY 2006	FY 2007
COOPERATIVE PROJECTS	10,017	10,174	9,784

FY 2005 Accomplishments:

- Continued to support the Advance Radar Technology Integrated System Testbed cooperative project between the U.S. and the United Kingdom (U.K.).
- Continued to support the Multilateral Memorandum of Understanding (MOU) for Interoperable Networks for Secure Communication.
- Continued to support the Submarine Sonar Advanced Processing Build - Acoustic Repaid Commercial Off the Shelf (COTS) Insertion (APB-ARCI) cooperative project between the U.S. and the U.K.
- Continued to support the Unmanned Undersea Vehicles (UUV), Intelligence, Surveillance and Reconnaissance (ISR) and Anti-Submarine Warfare (ASW) cooperative project between the U.S. and the U.K.
- Continued to support the Software Radio cooperative project between the U.S. and Japan.

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- Continued to support the Advanced Hull Materials and Structures Technology (AHM&ST) cooperative project between the U.S. and Japan.
- Continued to support the Multilateral cooperative project concerning Coalition Maritime Missile Defense BMC4I Architecture Definition.
- Continued to support the Maritime Missile Defense Modeling and Simulation cooperative project between the U.S. and the U.K.
- Continued to support the Multilateral MOU for Standard Missile.
- Continued to support the Enhanced Undersea Weapons Effectiveness and Ship Survivability through the Application of Validated Computer Codes cooperative project between the U.S. and Germany.
- Continued 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 submitted in separate SSOIs.
- Supported the Six (6) Degrees of Freedom Ship Roll cooperative project between the U.S. and Italy.
- Supported the cooperative project concerning Australia United States Phased Array Radar (AUSPAR) between the U.S. and Australia.
- Supported the cooperative project between the U.S. and Singapore regarding Multi-Statics Sonar.
- Supported the cooperative project between the U.S. and U.K. regarding Next Generation Countermeasures.
- Supported the Interoperability Study between the U.S. and the U.K.

FY 2006 Plans:

- Continue all efforts of FY05, less those noted as complete.
- Support the cooperative project between the U.S. and U.K. regarding Fiber Laser Sensors.
- Support the cooperative project between the U.S. and Japan regarding S-Bank Radar.
- Support the cooperative project between the U.S. and Japan regarding Open Architecture.
- Support the cooperative project between the U.S. and Australia regarding the Australia/U.S. Distributed Engineering Plan (AUSDEP).

FY 2007 Plans:

- Continue all efforts of FY06, less those noted as complete.

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PROJECT NUMBER: 2293

PROJECT TITLE: NATO COOPERATIVE RESEARCH AND DEVELOPMENT (R&D)

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 2007 RDT&E,N PROGRAM ELEMENT/PROJECT COST BREAKDOWN
Exhibit R-3

DATE: Feb 2006

BA: 04 PROGRAM ELEMENT: 0603790N
PROJECT 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 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>
a. Cooperative Research and Development	10,017	10,174	9,784	10,171

B. 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	<u>FY 2005</u> <u>Budget</u>	<u>FY 2006</u> <u>Budget</u>	<u>FY 2007</u> <u>Budget</u>	<u>FY 2008</u> <u>Budget</u>	To <u>Complete</u>	Total <u>Program</u>
Product Development										
NAVSEA	PD				2,448	2,070			CONT.	CONT.
NSWC	WX				889	1,600			CONT.	CONT.
NUWC	WX				815	0			CONT.	CONT.
JTRS-JPO	MP				1,200	0			CONT.	CONT.
PEO(LMW)	PD				2,350	500			CONT.	CONT.
Withhold					2					
Miscellaneous					2,313	6,004	9,784	10,171	CONT.	CONT.
Total					10,017	10,174	9,784	10,171	CONT.	CONT.

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FY 2007 RDT&E,N PROGRAM ELEMENT/PROJECT COST BREAKDOWN
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DATE: Feb 2006

BA: 04 PROGRAM ELEMENT: 0603790N
PROJECT ELEMENT TITLE: NATO Research and Development

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

Contractor/ Government Performing <u>Activity</u> Support and Management	Contract Method/ Fund Type <u>Vehicle</u>	Award/ Oblig <u>Date</u>	Perform Activity <u>EAC</u>	Project Office <u>EAC</u>	FY 2005 <u>Budget</u>	FY 2006 <u>Budget</u>	FY 2007 <u>Budget</u>	FY 2008 <u>Budget</u>	To <u>Complete</u>	Total <u>Program</u>
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Contractor/ Government Performing <u>Activity</u> Test and Evaluation	Contract Method/ Fund Type <u>Vehicle</u>	Award/ Oblig <u>Date</u>	Perform Activity <u>EAC</u>	Project Office <u>EAC</u>	FY 2005 <u>Budget</u>	FY 2006 <u>Budget</u>	FY 2007 <u>Budget</u>	FY 2008 <u>Budget</u>	To <u>Complete</u>	Total <u>Program</u>
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GOVERNMENT FURNISHED PROPERTY: Not applicable.

	FY 2005 <u>Budget</u>	FY 2006 <u>Budget</u>	FY 2007 <u>Budget</u>	FY 2008 <u>Budget</u>	To <u>Complete</u>	Total <u>Program</u>
Subtotal Product Development	10,017	10,174	9,784	10,171	CONT.	CONT.
Subtotal Support and Management	0	0	0	0	CONT.	CONT.
Subtotal Test and Evaluation	0	0	0	0	0	0
Total Project	10,017	10,174	9,784	10,171	CONT.	CONT.