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FY 2008/2009 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET
Exhibit R-2

DATE: February 2007

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

COST: (Dollars in Thousands)

Project Number & Title	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate
Total PE	9,912	9,741	9,934	10,135	10,383	10,630	10,828	11,032
2293 NATO COOPERATIVE RESEARCH AND DEVELOPMENT (R&D)	9,912	9,741	9,934	10,135	10,383	10,630	10,828	11,032

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 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
FY 2007 President's Budget Submission	10,174	9,784	10,171	10,315
Congressional Undistributed Reductions/Rescissions	4	-43	0	0
Functional Realignment for OPNAV Program Support Costs	-180	0	0	0
Non-Pay Inflation Adjustments	0	0	-16	22
Program Adjustments	0	0	-228	-212
Rate Adjustments	0	0	7	10
SBIR Assessment	-86	0	0	0
FY 2008/FY 2009 President's Budget Submission	9,912	9,741	9,934	10,135

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: February 2007

BUDGET ACTIVITY: 04
 PROGRAM ELEMENT: 0603790N PROGRAM ELEMENT TITLE: NATO RESEARCH AND DEVELOPMENT
 PROJECT NUMBER: 2293 PROJECT TITLE: NATO COOPERATIVE RESEARCH AND DEVELOPMENT (R&D)

COST: (Dollars in Thousands)

Project Number & Title	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate
2293 NATO COOPERATIVE RESEARCH AND DEVELOPMENT (R&D)	9,912	9,741	9,934	10,135	10,383	10,630	10,828	11,032

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 2006	FY 2007	FY 2008	FY 2009
COOPERATIVE PROJECTS	9,912	9,741	9,934	10,135

FY 2006 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 Advanced Hull Materials and Structures Technology (AHM&ST) cooperative project between the U.S. and Japan.

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PROGRAM ELEMENT: 0603790N

PROGRAM ELEMENT TITLE: NATO RESEARCH AND DEVELOPMENT

PROJECT NUMBER: 2293

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

- Continued to support the multilateral cooperative project concerning Coalition Maritime Missile Defense BMC4I Architecture Definition.
- Continued to support the multilateral cooperative project concerning Maritime Missile Defense Modeling and Simulation.
- 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 cooperative project between the U.S. and Australia regarding Multiplexed Fiber Laser Sensors.
- Supported the cooperative project between the U.S. and Japan regarding S-Bank Radar.
- Supported the cooperative project between the U.S. and Japan regarding Open Architecture.
- Supported the cooperative project between the U.S. and Australia regarding the Australia/U.S. Distributed Engineering Plan (AUSDEP).

FY 2007 Plans:

- Continue to support FY06 projects, and similar projects.
- Initiate support for the multilateral cooperative project regarding Maritime Missile Defense Modeling and Simulation.
- Initiate support for the multilateral cooperative project regarding Open Architecture Radar Interface Standard Project (OARIS).
- Initiate support for the cooperative project between the U.S. and Germany regarding Torpedo Countermeasures ELF Sensor System.
- Initiate support for the cooperative project between the U.S. and the U.K. regarding Torpedo Guidance and Control.
- Initiate support for the cooperative project between the U.S. and the Netherlands regarding Failure Prediction of Composite and Hybrid Naval Structures (DYCOSS 3D).

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PROGRAM ELEMENT TITLE: NATO RESEARCH AND DEVELOPMENT

PROJECT NUMBER: 2293

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

- Initiate support for the cooperative project between the U.S. and Singapore regarding Comprehensive Maritime Awareness (CMA) Joint Capability Technology Demonstration.
- Initiate support for the cooperative project between the U.S. and the Republic of Korea regarding Low Cost Guided Imaging Rocket.
- Initiate support for the cooperative project between the U.S. and Singapore regarding Infrared Hyperspectral Imaging at Wavelengths Beyond 3um.

FY 2008 Plans:

- Continue to support FY07 projects, and similar projects.

FY 2009 Plans:

- Continue to support FY08 projects, and similar projects.

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 2008/2009 RDT&E,N PROGRAM ELEMENT/PROJECT COST BREAKDOWN DATE: February 2007
Exhibit R-3

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 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
a. Cooperative Research and Development	9,912	9,741	9,934	10,135

B. BUDGET ACQUISITION HISTORY AND PLANNING INFORMATION:

PERFORMING ORGANIZATIONS

<u>Contractor/ Government Performing Activity</u>	<u>Contract Method/ Fund Type Vehicle</u>	<u>Award/ Oblig Date</u>	<u>Perform Activity EAC</u>	<u>Project Office EAC</u>	<u>FY 2006 Budget</u>	<u>FY 2007 Budget</u>	<u>FY 2008 Budget</u>	<u>FY 2009 Budget</u>	<u>To Complete</u>	<u>Total Program</u>
Product Development										
NAVSEA	PD				5,013	4,100			CONT.	CONT.
NSWC	WX				51	950			CONT.	CONT.
NUWC	WX				2,681	950			CONT.	CONT.
SPAWAR	WX				194				CONT.	CONT.
Withhold					61					
Miscellaneous					1,912	3,741	9,934	10,135	CONT.	CONT.
Total					9,912	9,741	9,934	10,135	CONT.	CONT.

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FY 2008/2009 RDT&E,N PROGRAM ELEMENT/PROJECT COST BREAKDOWN
Exhibit R-3

DATE: February 2007

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>	<u>FY 2006</u> Budget	<u>FY 2007</u> Budget	<u>FY 2008</u> Budget	<u>FY 2009</u> Budget	<u>To</u> <u>Complete</u>	<u>Total</u> <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>	<u>FY 2006</u> Budget	<u>FY 2007</u> Budget	<u>FY 2008</u> Budget	<u>FY 2009</u> Budget	<u>To</u> <u>Complete</u>	<u>Total</u> <u>Program</u>
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GOVERNMENT FURNISHED PROPERTY: Not applicable.

	<u>FY 2006</u> Budget	<u>FY 2007</u> Budget	<u>FY 2008</u> Budget	<u>FY 2009</u> Budget	<u>To</u> <u>Complete</u>	<u>Total</u> <u>Program</u>
Subtotal Product Development	9,912	9,741	9,937	10,135	CONT.	CONT.
Subtotal Support and Management	0	0	0	0	CONT.	CONT.
Subtotal Test and Evaluation	0	0	0	0	0	0
Total Project	9,912	9,741	9,934	10,135	CONT.	CONT.