

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy	DATE: April 2013
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APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>					PE 0203761N: <i>Rapid Technology Transition (RTT)</i>							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013[#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	39.202	32.959	25.566	13.561	-	13.561	17.165	26.234	25.918	26.359	Continuing	Continuing
3126: <i>Rapid Technology Transition (RTT)</i>	26.377	22.264	12.548	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	61.189
3173: <i>Technology Insertion Program for Savings (TIPS)</i>	5.131	7.714	12.772	13.436	-	13.436	17.037	26.143	25.818	26.255	Continuing	Continuing
3174: <i>Rapid Development and Deployment (RDD)</i>	7.694	2.981	0.246	0.125	-	0.125	0.128	0.091	0.100	0.104	Continuing	Continuing

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

A. Mission Description and Budget Item Justification

RTT programs transition technology from any source, including those not traditionally associated with defense technology. An effective and robust integration of commercial and military technologies can reduce costs and improve naval capabilities by keeping pace with the fast moving changes in technologies and operational needs. The RTT program is comprised of three elements: The Rapid Technology Transition (RTT) program, the Technology Insertion Program for Savings (TIPS), and the Rapid Development and Deployment (RDD) program. The RTT and TIPS programs are structured to bring transition deals to closure quickly, and to provide execution year funding for a rapid start, bridging the gap until the program of record can fund the completion of the technology insertion. The RDD program is structured to quickly develop a prototype solution that will be deployed in theater for Naval forces engaged in Overseas Contingency Operations (OCO).

The mission of the RTT program is to increase the rate that new, innovative, and potentially disruptive technologies are inserted into Department of Navy (DON) acquisition programs and the hands of the warfighter.

The mission of the TIPS program is to increase the rate that new cutting edge technologies are inserted into DON acquisition programs in order to significantly reduce operations and maintenance support costs.

The RDD program provides for the rapid development and fielding of prototype solutions to meet urgent operational needs. The RDD process applies when existing DON processes cannot meet urgent operational needs. Overseas Contingency Operations (OCO) have generated rapidly evolving military needs that require responsive materiel solutions.

Rapid transition opportunities occur when a sufficiently mature technology is identified that can meet a particular need on a timetable which matches that of an acquisition program, and is supported by a business case which justifies the associated cost and schedule risk. The combination of circumstances which create such opportunities can appear, and disappear, well inside the Program Objectives Memorandum (POM) cycle. These programs are designed to be proactive in identifying opportunities and to work with resource sponsors, fleet and force users, and Program Managers (PMs) in constructing viable technology transition deals one at a time.

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0203761N: <i>Rapid Technology Transition (RTT)</i>
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To ensure the widest possible awareness of emergent commercial technology opportunities, these programs interact with the industry and coordinate closely with Program Executive Offices (PEOs) and Program Managers (PMs) to maintain awareness of insertion opportunities. Utilizing existing authorities, RTT applies execution year funds where necessary to "jump-start" transitions so they can be inserted and validated by Sea Trial experiments leading directly to deployment and/or demonstrations of high risk/high payoff technologies. This Program Element is the only Navy program that addresses current, urgent requirements that are required by the fleet within a 18-24 month period. As such, planning and execution are accomplished within the same fiscal year, which causes a non-traditional financial execution profile for the program. The program therefore does not meet traditional execution benchmarks.

Higher Navy priorities result in the termination of the RTT program in 2014.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014 Base</u>	<u>FY 2014 OCO</u>	<u>FY 2014 Total</u>
Previous President's Budget	30.005	25.566	22.656	-	22.656
Current President's Budget	32.959	25.566	13.561	-	13.561
Total Adjustments	2.954	0.000	-9.095	-	-9.095
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	4.149	0.000			
• SBIR/STTR Transfer	-1.195	0.000			
• Program Adjustments	0.000	0.000	-8.972	-	-8.972
• Rate/Misc Adjustments	0.000	0.000	-0.123	-	-0.123

Change Summary Explanation

Technical: Not applicable.

Schedule: Not applicable.

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0203761N: Rapid Technology Transition (RTT)				PROJECT 3126: Rapid Technology Transition (RTT)			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
3126: Rapid Technology Transition (RTT)	26.377	22.264	12.548	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	61.189
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
The mission of the RTT project is to increase the rate that new, innovative, and potentially disruptive technologies are inserted into DON acquisition programs and the hands of the warfighter. A key aspect of the RTT project is its charter to transition technology from any source, including those not traditionally associated with defense technology. An effective and robust integration of commercial and military technologies can reduce costs and improve naval capabilities by keeping pace with the fast moving changes in technologies and operational needs. The RTT project is structured to bring transition deals to closure quickly, and to provide execution year funding for a rapid start, bridging the gap until the program of record can fund the completion of the technology insertion.												
Funding reductions from FY 2012 to FY 2014 reflect realignment of funding to higher Naval priorities.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2012	FY 2013	FY 2014
Title: RAPID TECHNOLOGY TRANSITION (RTT)										22.264	12.548	0.000
										Articles: 0	0	
FY 2012 Accomplishments: Completed the following RTT projects: - T64 Prognosis/Diagnosis Based Management (PDBM) - Integrated Laser Designator/Rangefinder for the M1A1 Tank - Integrated Variable Message Format (VMF) in the E-2 Hawkeye. - Calibration and Certification of MAC Sensors for Intelligence Data Collection - Secure Communications Controller - Tactical Transfer Cross-Domain Solution Device - Unit-Level ISR&T for DCGS-N - Multistatic Active Coherent (MAC) Operation Interface - VVoSIP and Call Management for Afloat Networks - High Gain Broadband (Graywing) Shipboard IO Antenna - Afloat Tactical Chat												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0203761N: <i>Rapid Technology Transition (RTT)</i>	PROJECT 3126: <i>Rapid Technology Transition (RTT)</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
Continued the following RTT projects: - T64 Prognosis/Diagnosis Based Management (PDBM) - Integrated Laser Designator/Rangefinder for the M1A1 Tank - Integrated Variable Message Format (VMF) in the E-2 Hawkeye. - Secure Communications Controller - VVoSIP and Call Management for Afloat Networks - Unit-Level ISR&T for DCGS-N - Tactical Transfer Cross-Domain Solution Device - Calibration and Certification of MAC Sensors for Intelligence Data Collection - High Gain Broadband (Graywing) Shipboard IO Antenna Initiated the following new RTT projects to improve naval warfighter capabilities: - Image Based Navigation for Tomahawk Block IV Cruise Missile (ImageNav) - Disruptive Tolerant Networking - Seal Delivery Vehicle (SDV) Umbilical management System (UMS) - Maritime Radar Processor (MRP) RTT - Graywing and SSEE Mods Broadband Amplifier - Fire Resistant Nanocomposite Coating - Advanced Special Communications Waveform In MARCOR Radios (ASWIMR) - CBSP VIPERSAT - Automated Transparency Refurbishment (ATR) - Naval Superstructure Cracking Due to Aluminum Sensitization FY 2013 Plans: Continue efforts from FY 2012 unless otherwise noted as completed. Initiate 3-5 new RTT projects to improve naval warfighter capabilities.			
Accomplishments/Planned Programs Subtotals		22.264	12.548
C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy Utilize existing authorities on a case-specific basis to exploit rapid technology transition opportunities.			

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0203761N: <i>Rapid Technology Transition (RTT)</i>	PROJECT 3126: <i>Rapid Technology Transition (RTT)</i>

E. Performance Metrics

The RTT program will initiate new project each year that provide for new, innovative, and potentially disruptive technology being inserted into DON acquisition programs. The RTT deals will have a greater than 80% success rate of insertion and fielding of technology into DON warfighting systems.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development						R-1 ITEM NOMENCLATURE PE 0203761N: Rapid Technology Transition (RTT)				PROJECT 3126: Rapid Technology Transition (RTT)					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Integrated Variable Message Format (VMF) in the E-2 Hawkeye	C/CPFF	Wyle Laboratories, Inc:NAWCAD Patuxent River, MD	2.000	0.000		0.000		0.000		-		0.000	0.000	2.000	
Integrated Laser Designator/Rangefinder for the M1A1 Tank	C/FFP	Night Vision and Electronics Sensors Directorate/N:10221 Burbeck Road, Ft Belvoir, VA 22060	1.850	0.000		0.000		0.000		-		0.000	0.000	1.850	
Secure Communications Controller	Various	Various:Varous	0.624	1.246	Dec 2011	0.000		0.000		-		0.000	0.000	1.870	
VVoSIP and Call Management for Afloat Networks	C/CPFF	XFEDS Inc; SSC LANT; Effecture; and SSC PAC:San Diego, CA; Charleston, SC; and Portsmouth, VA	1.375	0.625	Oct 2011	0.000		0.000		-		0.000	0.000	2.000	
Image Based Navigation for Tomahawk Block IV Cruise Missiles (ImageNav)Text	C/BA	SSCI:Woburn, MA	1.150	0.000		0.850	Dec 2012	0.000		-		0.000	0.000	2.000	
Unit-Level ISR&T for DCGS-N	C/CPFF	NMSO/BAE Systems:San Diego, CA	1.200	0.300	Oct 2011	0.000		0.000		-		0.000	0.000	1.500	
Disruptive Tolerant Networking (DTN)	SS/FFP	Raytheon BBN Technologies:Arlington, VA	1.000	0.000		0.900	Dec 2012	0.000		-		0.000	0.000	1.900	
Tactical Transfer Cross-Domain Solution Device	SS/CR	Penn State Applied Research/NRL:PA/DC	1.400	0.600	Oct 2011	0.000		0.000		-		0.000	0.000	2.000	
SDV Umbilical System	C/CPFF	OCEANEERING INT'L INC:Houston, Texas	0.860	0.000		0.350	Dec 2012	0.000		-		0.000	0.000	1.210	
Calibration and Certification of MAC	C/CPFF	ENSCO, Inc./ Lockheed Martin/	0.952	0.606	Oct 2011	0.000		0.000		-		0.000	0.000	1.558	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development						R-1 ITEM NOMENCLATURE PE 0203761N: Rapid Technology Transition (RTT)				PROJECT 3126: Rapid Technology Transition (RTT)					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Sensors for Intelligence Data Collection		NAWC/ENSCO, Inc.:NY/VA/MD													
Maritime Radar Processor (MRP)	WR	NAS Patuxent River:Patuxent River, MD	1.201	0.000		0.800	Dec 2012	0.000		-		0.000	0.000	2.001	
High Gain Broadband (Graywing) Shipboard IO Antenna	WR	SSC - Pacific Code 56380:San Diego, CA	1.000	0.900	Oct 2011	0.000		0.000		-		0.000	0.000	1.900	
Graywing and SSEE Mods Broadband Amplifier	WR	SSC-Pacific:San Diego, CA	1.000	0.000		0.000	Dec 2012	0.000		-		0.000	0.000	1.000	
Fire Resistant Nanocomposite Coating	C/CPFF	Oceanit:Honolulu, HI	0.025	0.000		0.250	Dec 2012	0.000		-		0.000	0.000	0.275	
Advanced Special Communications Mode (SCM) Waveform Into Marine Corps Radios (ASWIMR)	MIPR	Various:Various	1.200	0.000		0.700	Dec 2012	0.000		-		0.000	0.000	1.900	
Navy VIPERSAT	SS/IDIQ	Centurum:San Diego, CA	0.910	0.000		1.069	Dec 2012	0.000		-		0.000	0.000	1.979	
Automated Transparency Refurbishment (ATR)	MIPR	Army Research Lab, Aberdeen Proving Ground:Aberdeen, MD	0.000	0.000		0.851	Dec 2012	0.000		-		0.000	0.000	0.851	
Afloat Naval Tactical Chat	Various	Various:Various	0.500	1.200	Nov 2011	0.000		0.000		-		0.000	0.000	1.700	
Naval Superstructure Cracking Due to Aluminum Sensitization	C/BA	Various:NSWC Carderock	0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	
Multistatic Active Coherent (MAC) Operation Interface	C/CPFF	ENSCO, Inc.; Lockheed Martin:Endicott, NY: Manassa	0.850	1.150	Oct 2011	0.000		0.000		-		0.000	0.000	2.000	
CNO 4G Demo	Various	Various:Various	0.000	4.280	Mar 2012	0.000		0.000		-		0.000	0.000	4.280	
Future Technology Insertion Opportunities	Various	Various:Various	0.000	7.834	Dec 2011	3.900	Dec 2012	0.000		-		0.000	0.000	11.734	

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

1319: *Research, Development, Test & Evaluation, Navy*
BA 7: *Operational Systems Development*

R-1 ITEM NOMENCLATURE

PE 0203761N: *Rapid Technology Transition (RTT)*

PROJECT

3126: *Rapid Technology Transition (RTT)*

Proj 3126	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
Project 3126	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
					Oversee Execution of Deals																							
					Begin Selected Projects	FY13 Call for Proposals	FY13 Proposals Recieved																					
							FY13 Initial Evaluation																					
							FY13 Red Team Reviews																					
							FY13 ERG WG - conducts final reviews and ranking	FY13 ERG - makes selection for upcoming FY																				
								FY13 MOAs - drafted, Staffed and approved	Begin Selected FY 13 Projects																			

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0203761N: <i>Rapid Technology Transition (RTT)</i>	PROJECT 3126: <i>Rapid Technology Transition (RTT)</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3126				
Project 3126: Oversee Execution of Continuing Projects	1	2013	4	2013
Project 3126: Begin Selected FY13 Projects	1	2013	1	2013
Project 3126: FY14 Call for Proposals	2	2013	2	2013
Project 3126: FY14 Proposals Recieved	3	2013	3	2013
Project 3126: FY14 Initial Evaluation	3	2013	3	2013
Project 3126: FY14 Red Team Reviews	3	2013	3	2013
Project 3126: FY14 ERG WG - conducts final reviews and ranking	3	2013	3	2013
Project 3126: FY14 ERG - makes selection for upcoming FY	4	2013	4	2013
Project 3126: FY14 MOAs - drafted, Staffed and approved	4	2013	4	2013
Project 3126: Begin Selected FY 14 Projects	1	2014	1	2014

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0203761N: Rapid Technology Transition (RTT)				PROJECT 3173: Technology Insertion Program for Savings (TIPS)			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
3173: Technology Insertion Program for Savings (TIPS)	5.131	7.714	12.772	13.436	-	13.436	17.037	26.143	25.818	26.255	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
The mission of the Technology Insertion Program for Savings (TIPS) is to increase the rate that new cutting edge technologies are inserted into DON acquisition programs in order to significantly reduce operations and maintenance support costs. The program is structured to rapidly transition applicable commercial off-the-shelf solutions and late-stage development technologies from any source to meet an immediate need. TIPS provides execution year funding for a rapid start, bridging the gap until the program of record can fund the completion of the technology insertion.												
Funding increase from FY 2012 to FY 2013 reflect emphasis on increasing operations and support cost savings projects.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: TECHNOLOGY INSERTION PROGRAM FOR SAVINGS (TIPS)									7.714	12.772	13.436	
									Articles: 0	0	0	
FY 2012 Accomplishments:												
Completed the FY 2011 TIPS projects:												
- Tactical Environment & Role-player Station (TERS)												
- Naval Advanced Amorphous Coating (NAAC) for High Wear Decks												
- H-1 Combining Gearbox Chaffing Repair via Low Pressure Cold Spray												
- ZnBr Flow Battery Energy Storage System												
- Transportation Exploitation Tool (TET)												
Initiated the following TIPS projects:												
- Composite Patch Technology												
- Global Ammunition Strategic Positioning Model (GASPM)												
- Backscatter X-ray for F-18 Depot Level Structural Inspection												
- Revolutionary Low FOD Droque												
FY 2013 Plans:												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>		R-1 ITEM NOMENCLATURE PE 0203761N: <i>Rapid Technology Transition (RTT)</i>	PROJECT 3173: <i>Technology Insertion Program for Savings (TIPS)</i>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
Continue all FY 2012 TIPS projects. Initiate 6-8 new TIPS projects to improve naval warfighter capabilities. FY 2014 Plans: Continue efforts from FY 2013 unless otherwise noted as complete. Initiate 6-8 new TIPS projects to improve naval warfighter capabilities.			
Accomplishments/Planned Programs Subtotals		7.714	12.772
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy Utilize existing authorities on a case-specific basis to exploit rapid technology transition opportunities.			
E. Performance Metrics The TIPS program will initiate new projects each year that provide for new, innovative, and potentially disruptive technology being inserted into DON acquisition programs. The TIPS projects will have a greater than 80% success rate of insertion and fielding of technology into DON warfighting systems and/or operations and support cost efforts.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>						R-1 ITEM NOMENCLATURE PE 0203761N: <i>Rapid Technology Transition (RTT)</i>						PROJECT 3173: <i>Technology Insertion Program for Savings (TIPS)</i>			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Composite Patch Technologies for Aluminum Structures	C/BA	Various:Various	0.000	0.000		0.800	Dec 2012	0.900	Dec 2013	-		0.900	0.000	1.700	
Tactical Environment & Role-player Station (TERS)	C/BPA	NAWCTSD:Orlando, FL	0.900	0.602	Oct 2011	0.000		0.000		-		0.000	0.000	1.502	
Global Ammunition Strategic Positioning Model (GASPM)	C/BA	Various:Various	0.000	0.000		0.975	Dec 2012	1.000	Dec 2013	-		1.000	0.000	1.975	
Naval Advanced Amorphous Coating (NAAC) for High Wear Decks	MIPR	EXCET/NRL:NRL	0.500	0.150	Oct 2011	0.000		0.000		-		0.000	0.000	0.650	
Backscatter X-ray for F-18 Depot Level Structural Inspection	C/BA	Various:Various	0.000	0.000		0.850	Dec 2012	0.750	Dec 2013	-		0.750	0.000	1.600	
H-1 Combining Gearbox Chaffing Repair via Low Pressure Cold Spray	Various	Various:Various	1.100	0.600	Oct 2011	0.000		0.000		-		0.000	0.000	1.700	
Revolutionary (Low FOD) Droque	C/BA	Various:Various	0.000	0.000		1.000	Dec 2012	1.000	Dec 2013	-		1.000	0.000	2.000	
ZnBr Flow Battery Energy Storage System	MIPR	NAVFAC ESC:Port Hueneme	1.356	0.308	Oct 2011	0.000		0.000		-		0.000	0.000	1.664	
Transportation Exploitation Tool (TET)	C/CPFF	Alion Science and Technology:VA	0.800	0.850	Oct 2011	0.000		0.000		-		0.000	0.000	1.650	
Future Technology Insertion Opportunities	Various	Various:Various	0.000	4.854	Dec 2011	8.792	Dec 2012	8.173	Dec 2013	-		8.173	0.000	21.819	
Subtotal			4.656	7.364		12.417		11.823		0.000		11.823	0.000	36.260	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>						R-1 ITEM NOMENCLATURE PE 0203761N: <i>Rapid Technology Transition (RTT)</i>				PROJECT 3173: <i>Technology Insertion Program for Savings (TIPS)</i>				

Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Various	Various	Various:Various	0.475	0.350	Oct 2011	0.355	Oct 2012	1.613	Dec 2013	-		1.613	Continuing	Continuing	Continuing
Subtotal			0.475	0.350		0.355		1.613		0.000		1.613			

	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	5.131	7.714		12.772		13.436		0.000		13.436			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

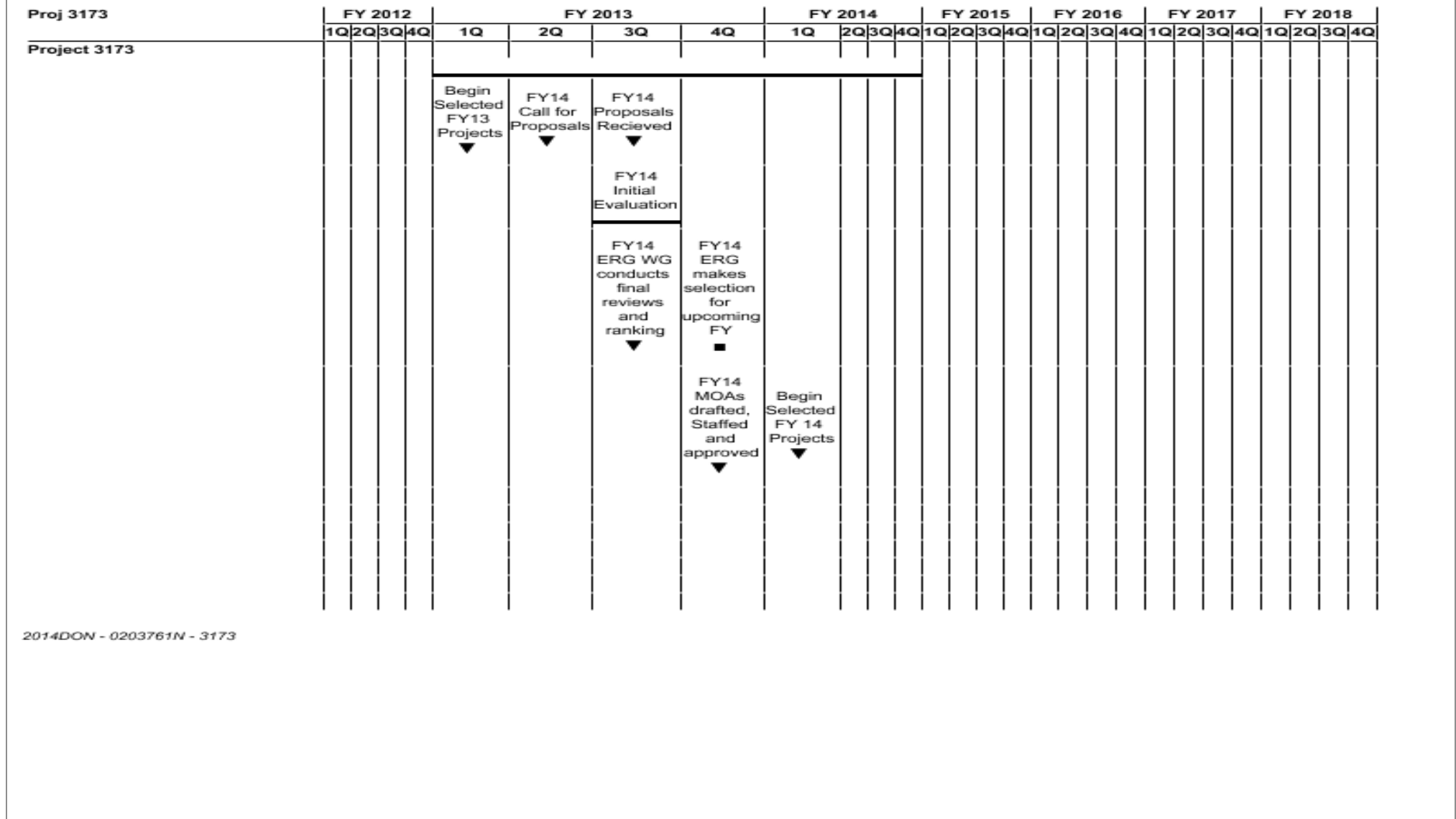
1319: Research, Development, Test & Evaluation, Navy
BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

PE 0203761N: Rapid Technology Transition (RTT)

PROJECT

3173: Technology Insertion Program for Savings (TIPS)



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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0203761N: <i>Rapid Technology Transition (RTT)</i>	PROJECT 3173: <i>Technology Insertion Program for Savings (TIPS)</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3173				
Project 3173: Oversee Execution of Projects	1	2013	4	2014
Project 3173: Begin Selected FY 13 Projects	1	2013	1	2013
Project 3173: FY14 Call for Proposals	2	2013	2	2013
Project 3173: FY14 Proposals Recieved	3	2013	3	2013
Project 3173: FY14 Initial Evaluation	3	2013	3	2013
Project 3173: FY14 ERG WG conducts final reviews and ranking	3	2013	3	2013
Project 3173: FY14 ERG makes selection for upcoming FY	4	2013	4	2013
Project 3173: FY14 MOAs drafted, Staffed and approved	4	2013	4	2013
Project 3173: Begin Selected FY 14 Projects	1	2014	1	2014

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0203761N: Rapid Technology Transition (RTT)				PROJECT 3174: Rapid Development and Deployment (RDD)			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
3174: Rapid Development and Deployment (RDD)	7.694	2.981	0.246	0.125	-	0.125	0.128	0.091	0.100	0.104	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

A. Mission Description and Budget Item Justification

Rapid Development and Deployment (RDD) provides an environment and process for rapid development and fielding of prototype solutions to meet urgent operational needs. The RDD process applies when existing DON processes cannot meet urgent operational needs. Overseas Contingency Operations (OCO) have generated rapidly evolving military needs that require responsive materiel solutions. RDD is a fast track process for application, by exception, to Navy and USMC capability needs and materiel solutions that meet the following criteria: (1) Need identified during active or incipient combat or contingency operation, or (2) Need derived from combat survivability of the warfighter or impacts the success of the mission. RDD initiates projects to deliver prototype solutions that are not readily available off-the-shelf and that can be developed, integrated with other components and systems (as necessary), tested, and fielded within 270 days of need approval. RDD provides startup funds to initiate projects that meet the above criteria while other funding is made available within the year of execution. Rapid Development and Deployment (RDD) provides an environment and process for rapid development and fielding of prototype solutions to meet urgent operational needs.

FY 2012 to FY 2013 funding reduction is due to realignment of funds for higher priority Naval needs.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2012	FY 2013	FY 2014
Title: RAPID DEVELOPMENT AND DEPLOYMENT (RDD)	2.981	0.246	0.125
Articles:	0	0	0
FY 2012 Accomplishments: Completed the following efforts: - Loud Hailer - Ship Disable Continued the following efforts: - MV-22 Traffic Collision Avoidance System (TCAS) Initiated the following effort: - V-22 Windscreen Durability Improvements FY 2013 Plans: Complete the V-22 Windscreen Durability Improvements.			

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>		R-1 ITEM NOMENCLATURE PE 0203761N: <i>Rapid Technology Transition (RTT)</i>	PROJECT 3174: <i>Rapid Development and Deployment (RDD)</i>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
Initiate shutdown of the RDD program office and integrate functions into ONR Technology Transition Office.			
FY 2014 Plans: Complete shutdown of the RDD program office and integrate functions into ONR Technology Transition Office.			
Accomplishments/Planned Programs Subtotals		2.981	0.246
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy For RDD requirements that meet the selection criteria, the virtual Rapid Development and Deployment Office (RDDO) is used to initiate projects. The RDDO is a virtual organization operating across Naval Laboratories and Warfare Centers, with interfaces and/or contractual agreements with other Military Services, Industry, Academia and the National Laboratory community. The RDDO will bring together, on demand, multi-disciplinary teams to develop and deliver rapid, innovative solutions. The RDDO will maintain visibility of available and emerging technologies from all sources that may serve as enablers to the success of RDD initiatives. The RDDO will review Urgent Combat Needs, identify and evaluate alternative solutions and provide recommendations. The RDDO will include a rapid acquisition channel, consistent with all applicable procurement regulations, for access to industry products and services as needed. For approved projects, the RDDO will select appropriate technologies, and develop, integrate, test, and deliver fieldable prototypes with the essential logistics for use by the warfighter. End users will be involved throughout the process as part of the virtual team.			
E. Performance Metrics The RDD program goal is to respond to urgent operational needs within 30 days and provide for rapid development and fielding of prototype solutions within 270 - 360 days.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>						R-1 ITEM NOMENCLATURE PE 0203761N: <i>Rapid Technology Transition (RTT)</i>						PROJECT 3174: <i>Rapid Development and Deployment (RDD)</i>			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MV-22 Traffic Collision Avoidance System (TCAS)	C/CPFF	NAVAIR:Patuxent River, MD	2.350	0.600	Oct 2011	0.000		0.000		-		0.000	0.000	2.950	
V-22 Windscreen Durability Improvements	Various	Various:Various	0.675	0.899	Oct 2011	0.246	Dec 2012	0.000		-		0.000	Continuing	Continuing	Continuing
TBD	C/BA	Not Specified:Not Specified	0.000	0.000		0.000		0.125	Dec 2013	-		0.125	0.000	0.125	
BTR Scan Eagle UUNS	Various	Various:Various	0.000	1.482	Apr 2012	0.000		0.000		-		0.000	0.000	1.482	
Subtotal			3.025	2.981		0.246		0.125		0.000		0.125			
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Rapid Development and Deployment Office	WR	Various:Various	4.669	0.000	Oct 2011	0.000		0.000		-		0.000	0.000	4.669	
Subtotal			4.669	0.000		0.000		0.000		0.000		0.000	0.000	4.669	
			All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			7.694	2.981		0.246		0.125		0.000		0.125			
Remarks															

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PE 0203761N: *Rapid Technology Transition (RTT)*
Navy

R-1 Line #169

R-1 ITEM NOMENCLATURE

PE 0203761N: *Rapid Technology Transition (RTT)*3174: *Rapid Development and Deployment (RDD)*

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0203761N: Rapid Technology Transition (RTT)	PROJECT 3174: Rapid Development and Deployment (RDD)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3174				
Project 3174: Complete MV-22 TCAS	2	2013	2	2013
Project 3174: Execute MV-22 Windscreen Durability Improvements	1	2012	4	2013