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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy DATE: April 2013

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)	<b>R-1 ITEM NOMENCLATURE</b> PE 0304270N: Electronic Warfare Development - MIP
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COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	0.000	11.775	0.643	0.153	-	0.153	0.819	0.766	0.666	0.672	Continuing	Continuing
2260: Specific Emitter ID	0.000	0.625	0.643	0.153	-	0.153	0.819	0.766	0.666	0.672	Continuing	Continuing
9999: Congressional Adds	0.000	11.150	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	11.150

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

## A. Mission Description and Budget Item Justification

This project supports systems development and collection of Specific Emitter Identification (SEI) information from National Technical Means (NTM) to track commercial ships over 200 gross registered tons world-wide. Research and development will cover improvements and enhancements to Electronic Intelligence technology. This will include improved/next generation SEI technology for miniaturization and automation of hardware, national collection systems, signal processing and analysis, and de-interleaving of signals. Propagation in a multi-path signal environment will also be assessed. All work on this project will be undertaken in pursuit of goals stated by the Office of Naval Intelligence and the National Security Agency in support of the Worldwide Ship Tracking Program.

This PE is a Military Intelligence Program.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014 Base</b>	<b>FY 2014 OCO</b>	<b>FY 2014 Total</b>
Previous President's Budget	0.625	0.643	0.658	-	0.658
Current President's Budget	11.775	0.643	0.153	-	0.153
Total Adjustments	11.150	0.000	-0.505	-	-0.505
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	11.150	0.000			
• SBIR/STTR Transfer	-	-			
• Rate/Misc Adjustments	0.000	0.000	-0.505	-	-0.505

## Congressional Add Details (\$ in Millions, and Includes General Reductions)

**Project:** 9999: Congressional Adds

Congressional Add: Southeast Asia Center

FY 2012	FY 2013
11.150	-

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2014 Navy		<b>DATE:</b> April 2013	
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>		<b>R-1 ITEM NOMENCLATURE</b> PE 0304270N: <i>Electronic Warfare Development - MIP</i>	
<b><u>Congressional Add Details (\$ in Millions, and Includes General Reductions)</u></b>		<b>FY 2012</b>	<b>FY 2013</b>
Congressional Add Subtotals for Project: 9999		11.150	0.000
Congressional Add Totals for all Projects		11.150	0.000
<b><u>Change Summary Explanation</u></b> 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 4: Advanced Component Development & Prototypes (ACD&P)					R-1 ITEM NOMENCLATURE PE 0304270N: Electronic Warfare Development - MIP				PROJECT 2260: Specific Emitter ID			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
2260: Specific Emitter ID	0.000	0.625	0.643	0.153	-	0.153	0.819	0.766	0.666	0.672	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												
This project supports systems development and collection of Specific Emitter Identification (SEI) information from National Technical Means (NTM) to track commercial ships over 200 gross registered tons world-wide. Research and development will cover improvements and enhancements to Electronic Intelligence technology. This will include improved/next generation SEI technology for miniaturization and automation of hardware, national collection systems, signal processing and analysis, and de-interleaving of signals. Propagation in a multi-path signal environment will also be assessed. All work on this project will be undertaken in pursuit of goals stated by the Office of Naval Intelligence and the National Security Agency in support of the Worldwide Ship Tracking Program.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2012	FY 2013	FY 2014
Title: SENSOR FUSION  <div>Articles:</div>  <b>Description:</b> This effort supports systems development and information fusion of improved SEI technology for automation of hardware, national collection systems, signal processing and analysis, and de-interleaving of signals.  Funding reductions from FY 2013 to FY 2014 reflect realignment of funding to higher Naval priorities.  <b>FY 2012 Accomplishments:</b> - Continued task to fuse additional sources of data with SEI data for automation of hardware, national collection systems, signal processing and analysis, and de-interleaving of signals. Work toward increasing sensor fusion, collection and reporting automation helped reduce staffing and support remote access and control capability.  <b>FY 2013 Plans:</b> - Continue all efforts of FY 2012.  <b>FY 2014 Plans:</b> - Continue all efforts of FY 2013.										0.189 0	0.200 0	0.048 0
Title: SYSTEM AUTOMATION										0.219 0	0.220 0	0.052 0
										Articles:		

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Navy			<b>DATE:</b> April 2013		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>		<b>R-1 ITEM NOMENCLATURE</b> PE 0304270N: <i>Electronic Warfare Development - MIP</i>		<b>PROJECT</b> 2260: <i>Specific Emitter ID</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>			<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>
<p><b>Description:</b> This effort supports development of an autonomous surveillance system capable of providing emitter signal information to a central location.</p> <p>Funding reductions from FY 2013 to FY 2014 reflect realignment of funding to higher Naval priorities.</p> <p><b>FY 2012 Accomplishments:</b></p> <ul style="list-style-type: none"> <li>- Continued task to develop an unmanned, autonomous, remote collection and surveillance system.</li> <li>- Continued task to automate fusion of other sensor information with SEI data collection.</li> </ul> <p><b>FY 2013 Plans:</b></p> <ul style="list-style-type: none"> <li>- Continue all efforts of FY 2012.</li> </ul> <p><b>FY 2014 Plans:</b></p> <ul style="list-style-type: none"> <li>- Continue all efforts of FY 2013.</li> </ul>					
<p><b>Title:</b> TECHNOLOGY REFRESH &amp; COMMUNICATION ENHANCEMENT</p> <p><b>Description:</b> This effort improves SEI system performance, real-time communication and tactical use of SEI which will be expanded with next generation SEI technology.</p> <p>Funding reductions from FY 2013 to FY 2014 reflect realignment of funding to higher Naval priorities.</p> <p><b>FY 2012 Accomplishments:</b></p> <ul style="list-style-type: none"> <li>- Continued task to incorporate other SEI algorithms into deployed processing software.</li> <li>- Continued task on integrating advanced SEI hardware with WINSEI software to support improved SEI system performance and capabilities for tactical and technical use, and which can be expanded with next generation SEI algorithms.</li> <li>- Continued task to incorporate further message reporting formats for dissemination of SEI data and improve SEI interoperability.</li> <li>- Continued task to expand collection capability to support additional radar types.</li> </ul> <p><b>FY 2013 Plans:</b></p> <ul style="list-style-type: none"> <li>- Continue all efforts of FY 2012</li> </ul> <p><b>FY 2014 Plans:</b></p> <ul style="list-style-type: none"> <li>- Continue all efforts of FY 2013.</li> </ul>			0.217 0	0.223 0	0.053 0
<b>Accomplishments/Planned Programs Subtotals</b>			0.625	0.643	0.153

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0304270N: <i>Electronic Warfare Development - MIP</i>	<b>PROJECT</b> 2260: <i>Specific Emitter ID</i>
<b>C. Other Program Funding Summary (\$ in Millions)</b> N/A		
<b>Remarks</b>		
<b>D. Acquisition Strategy</b> Not applicable.		
<b>E. Performance Metrics</b> MIP Program.		

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2014 Navy												<b>DATE:</b> April 2013		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>						<b>R-1 ITEM NOMENCLATURE</b> PE 0304270N: <i>Electronic Warfare Development - MIP</i>				<b>PROJECT</b> 2260: <i>Specific Emitter ID</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
NRL	TBD	Not Specified:Not Specified	0.000	0.625	Jan 2012	0.643	Jan 2013	0.153	Jan 2014	-		0.153	Continuing	Continuing	Continuing
<b>Subtotal</b>			0.000	0.625		0.643		0.153		0.000		0.153			

  

	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
<b>Project Cost Totals</b>	0.000	0.625	0.643	0.153	0.000	0.153			

  

**Remarks**

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy																				DATE: April 2013					
APPROPRIATION/BUDGET ACTIVITY										R-1 ITEM NOMENCLATURE										PROJECT					
1319: Research, Development, Test & Evaluation, Navy										PE 0304270N: Electronic Warfare										2260: Specific Emitter ID					
BA 4: Advanced Component Development & Prototypes (ACD&P)										Development - MIP															

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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 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0304270N: Electronic Warfare Development - MIP	PROJECT 2260: Specific Emitter ID

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 2260				
Demonstration: Installatioon and Testing	1	2013	4	2013



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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Navy										<b>DATE:</b> April 2013		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>					<b>R-1 ITEM NOMENCLATURE</b> PE 0304270N: <i>Electronic Warfare Development - MIP</i>				<b>PROJECT</b> 9999: <i>Congressional Adds</i>			
<b>COST (\$ in Millions)</b>	<b>All Prior Years</b>	<b>FY 2012</b>	<b>FY 2013<sup>#</sup></b>	<b>FY 2014 Base</b>	<b>FY 2014 OCO <sup>##</sup></b>	<b>FY 2014 Total</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
9999: <i>Congressional Adds</i>	0.000	11.150	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	11.150
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012 <sup>##</sup> The FY 2014 OCO Request will be submitted at a later date												
<b>A. Mission Description and Budget Item Justification</b>												
The programmatic details are a higher classification level.												
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>								<b>FY 2012</b>	<b>FY 2013</b>			
<b>Congressional Add:</b> Southeast Asia Center								11.150	-			
<b>FY 2012 Accomplishments:</b> Initiated a remote sensing and data fusion effort to address maritime domain awareness in western Pacific region. Addressed cooperative maritime security issues important to US and partners in the region.												
<b>Congressional Adds Subtotals</b>								11.150	0.000			
<b>C. Other Program Funding Summary (\$ in Millions)</b>												
N/A												
<b>Remarks</b>												
<b>D. Acquisition Strategy</b>												
N/A												
<b>E. Performance Metrics</b>												
Not applicable.												

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2014 Navy												<b>DATE:</b> April 2013			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>						<b>R-1 ITEM NOMENCLATURE</b> PE 0304270N: <i>Electronic Warfare Development - MIP</i>				<b>PROJECT</b> 9999: <i>Congressional Adds</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
Need Item Text	Various	Not Specified:Not Specified	0.000	11.150	Jul 2013	0.000		0.000		-		0.000	0.000	11.150	
<b>Subtotal</b>			0.000	11.150		0.000		0.000		0.000		0.000	0.000	11.150	

  

	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
<b>Project Cost Totals</b>	0.000	11.150	0.000	0.000	0.000	0.000	0.000	11.150	

  

**Remarks**