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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2015 Navy	<b>Date:</b> March 2014
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<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0304270N / <i>Electronic Warfare Development - MIP</i>
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COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	0.625	2.841	0.153	0.332	-	0.332	0.575	0.467	0.467	0.479	Continuing	Continuing
2260: <i>Specific Emitter ID</i>	0.625	2.841	0.153	0.332	-	0.332	0.575	0.467	0.467	0.479	Continuing	Continuing

# The FY 2015 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 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO</b>	<b>FY 2015 Total</b>
Previous President's Budget	0.643	0.153	0.819	-	0.819
Current President's Budget	2.841	0.153	0.332	-	0.332
Total Adjustments	2.198	-	-0.487	-	-0.487
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	2.250	-			
• SBIR/STTR Transfer	-	-			
• Rate/Misc Adjustments	-	-	-0.487	-	-0.487
• Congressional General Reductions Adjustments	-0.052	-	-	-	-

**Change Summary Explanation**

Technical: Not applicable.

Schedule: Not applicable.

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319 / 4					R-1 Program Element (Number/Name) PE 0304270N / <i>Electronic Warfare Development - MIP</i>				Project (Number/Name) 2260 / <i>Specific Emitter ID</i>			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
2260: <i>Specific Emitter ID</i>	0.625	2.841	0.153	0.332	-	0.332	0.575	0.467	0.467	0.479	Continuing	Continuing
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		
# The FY 2015 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 2013	FY 2014	FY 2015
<b>Title:</b> SENSOR FUSION  <b>Articles:</b>  <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.  <b>FY 2013 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 2014 Plans:</b> - Continue all efforts of FY 2013.  <b>FY 2015 Plans:</b> - Continue all efforts of FY 2014.										0.885	0.048	0.100
										-	-	-
<b>Title:</b> SYSTEM AUTOMATION  <b>Articles:</b>  <b>Description:</b> This effort supports development of an autonomous surveillance system capable of providing emitter signal information to a central location.  <b>FY 2013 Accomplishments:</b>										0.971	0.052	0.132
										-	-	-

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2015 Navy		<b>Date:</b> March 2014	
<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0304270N / <i>Electronic Warfare Development - MIP</i>	<b>Project (Number/Name)</b> 2260 / <i>Specific Emitter ID</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2013</b>	<b>FY 2014</b>
<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 2014 Plans:</b></p> <ul style="list-style-type: none"> <li>- Continue all efforts of FY 2013.</li> <li>- Continue task to develop an unmanned, autonomous, remote collection and surveillance system.</li> </ul> <p><b>FY 2015 Plans:</b></p> <ul style="list-style-type: none"> <li>- Continue all efforts of FY 2014.</li> </ul>			
<p><b>Title:</b> TECHNOLOGY REFRESH &amp; COMMUNICATION ENHANCEMENT</p> <p><b>Articles:</b></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><b>FY 2013 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 2014 Plans:</b></p> <ul style="list-style-type: none"> <li>- Continue all efforts of FY 2013.</li> </ul> <p><b>FY 2015 Plans:</b></p> <ul style="list-style-type: none"> <li>- Continue all efforts of FY 2014.</li> </ul>		0.985 -	0.053 -
<b>Accomplishments/Planned Programs Subtotals</b>		2.841	0.153
<b>C. Other Program Funding Summary (\$ in Millions)</b>			
N/A			
<b>Remarks</b>			
<b>D. Acquisition Strategy</b>			
Not applicable.			

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PE 0304270N: *Electronic Warfare Development - MIP*  
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