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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2013 Air Force **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604280F: <i>JOINT TACTICAL RADIO SYSTEMS (JTRS)</i>
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COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	0.628	-	2.594	-	2.594	29.823	21.395	22.705	22.529	Continuing	Continuing
655068: <i>Joint Tactical Radio System (JTRS)</i>	0.628	-	2.594	-	2.594	29.823	21.395	22.705	22.529	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**Note**

The Cost to Complete and Total Cost for MDAP projects in this program element are documented in the R3. The Cost to Complete and Total Cost on the R2 are entered as "Continuing" and not reflective of the total cost for MDAP projects since the R2 does not account for prior years funding.

**A. Mission Description and Budget Item Justification**

The JTRS Budget Item Justification is located in the Navy's FY 2013 President's Budget under Joint Tactical Radio System Program (PE 0604280N, BA 5). The JTRS development program is a joint program managed through the JTRS JPEO. The funding for the program resides in the Navy budget. Joint Tactical Radio System (JTRS) is the Department of Defense family of common software-defined programmable radios that will form the foundation of radio frequency information transmission for Joint Vision 2020. JTRS radios are intended to interoperate with existing radio systems and provide the warfighter with additional communications capability to access maps and other visual data, communicate via voice and video and obtain information directly from battlefield sensors. JTRS will provide internet protocol (IP)-based capability to the warfighter and will replace all existing tactical radios based on the Services' migration plans. The JTRS program is built around an open Software Communications Architecture (SCA), allowing common software waveform applications to be implemented across the family of radios to provide joint-service, allied, and coalition interoperability. JTRS is a key enabler that will provide dynamic connectivity throughout the battle space to operate within the network centric operational environment. Activities also include studies and analysis to support both current program planning and execution and future program planning.

This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full-rate production.

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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>
Previous President's Budget	0.631	180.364	64.848	-	64.848
Current President's Budget	0.628	-	2.594	-	2.594
Total Adjustments	-0.003	-180.364	-62.254	-	-62.254
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-0.003	-180.364	-62.254	-	-62.254

**Change Summary Explanation**

FY11 Congressional General Reduction of 0.003M in Other Adjustment row.

The JTRS development program is a joint program managed through the JTRS JPEO. Each of the joint services, including the Air Force, transfers its funding to the Navy's budget under Joint Tactical Radio System Program (PE 0604280N, BA 5). This annual transfer of funds to the Navy PE is the cause of the seemingly drastic change from current (\$180M in FY12, and \$65M in FY13) to future fiscal years. The reduction in funding in RDT&E predicted from FY 2013 to 2016 is based upon the anticipated maturation of program development.

**C. Accomplishments/Planned Programs (\$ in Millions)**

	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>
<b>Title:</b> JTRS	0.628	-	2.594	-	2.594
<b>Description:</b> The JTRS budget justification is located in the Navy's FY 2013 President's Budget under Joint Tactical Radio System Program (PE 0604280N, BA 5).					
<b>FY 2011 Accomplishments:</b> The JTRS budget justification is located in the Navy's FY 2011 President's Budget under Joint Tactical Radio System Program (PE 0604280N, BA 5) since the JTRS program is a joint program and the funding resides in the Navy's Budget.					
<b>FY 2012 Plans:</b>					

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>
The JTRS budget justification is located in the Navy's FY 2012 President's Budget under Joint Tactical Radio System Program (PE 0604280N, BA 5) since the JTRS program is a joint program and the funding resides in the Navy's Budget.  <b><i>FY 2013 Base Plans:</i></b> The JTRS budget justification is located in the Navy's FY 2013 President's Budget under Joint Tactical Radio System Program (PE 0604280N, BA 5) since the JTRS program is a joint program and the funding resides in the Navy's Budget.  <b><i>FY 2013 OCO Plans:</i></b> N/A					
<b>Accomplishments/Planned Programs Subtotals</b>	0.628	-	2.594	-	2.594

<b>D. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013 Base</u>	<u>FY 2013 OCO</u>	<u>FY 2013 Total</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• APAF, PE 0207423F, JTRS: <i>Other Aircraft (BP11)</i>	8.275	58.542	11.639	0.000	11.639	5.790	4.605	0.000	0.000	Continuing	Continuing
• OPAF, PE 0207423F, JTRS: <i>Tactical C-E Equipment</i>	170.673	38.567	56.229	0.000	56.229	68.756	32.837	26.161	25.597	Continuing	Continuing
• RDT&E, PE 0207423F, JTRS: <i>Advanced Comm Systems</i>	52.480	43.964	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

**E. Acquisition Strategy**

N/A

**F. Performance Metrics**

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Air Force		<b>DATE:</b> February 2012
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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Air Force		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604280F: <i>JOINT TACTICAL RADIO SYSTEMS (JTRS)</i>	<b>PROJECT</b> 655068: <i>Joint Tactical Radio System (JTRS)</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
The JTRS budget justification is located in the Navy's FY 2013 Budget under Joint Tactical Radio System Program (PE 0604280N, BA 5) since the JTRS program is a joint program.	1	2011	4	2017