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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2013 United States Special Operations Command **DATE:** February 2012

**APPROPRIATION/BUDGET ACTIVITY**

0400: *Research, Development, Test & Evaluation, Defense-Wide*  
BA 7: *Operational Systems Development*

**R-1 ITEM NOMENCLATURE**

PE 1160476BB: *SOF Tactical Radio Systems*

<b>COST (\$ 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>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	2.277	-	3.036	-	3.036	3.089	3.145	3.199	3.254	Continuing	Continuing
S725: <i>SOF Tactical Radio Systems</i>	2.277	-	3.036	-	3.036	3.089	3.145	3.199	3.254	Continuing	Continuing

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

This program element is for development of all Special Operations Forces (SOF) tactical radio programs. The SOF mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. SOF units require radio communication equipment that improves their warfighting capability without degrading their mobility. United States Special Operations Command (USSOCOM) has developed an overall strategy to ensure that Tactical Radio Systems continue to provide SOF with the required capabilities throughout the 21st century. SOF Tactical Radios provide the critical Command, Control, and Communication (C3) link between SOF Commanders and SOF Teams involved in overseas contingency operations (OCO) and training exercises. They also provide interoperability with all Services, various agencies of the U.S. Government, Air Traffic Control, commercial agencies, and allied foreign forces. Tactical Radios rapidly and seamlessly establish and maintain mobile and fixed Command and Control (C2) communications between infiltrated/operational elements and higher echelon headquarters, allowing SOF to operate with any force combination in multiple environments.

<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	2.347	-	-	-	-
Current President's Budget	2.277	-	3.036	-	3.036
Total Adjustments	-0.070	-	3.036	-	3.036
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.058	-			
• Other Adjustment	-0.012	-	3.036	-	3.036

**Change Summary Explanation**

Funding:

FY 2011: Decrease of \$.070 million due to economic assumption reductions (-\$.012 million) and a transfer to Small Business Innovative Research (-\$.058 million).

FY 2012: None.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 United States Special Operations Command		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 1160476BB: SOF Tactical Radio Systems	
<p>FY 2013: Increase of \$3.036 million due to reprogramming to develop and test DoD on-orbit capacity in order to enhance C2 capabilities (\$3.000 million), and an economic assumption increase (\$0.036 million).</p> <p>Schedule: None.</p> <p>Technical: None.</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2013 United States Special Operations Command									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 1160476BB: SOF Tactical Radio Systems				PROJECT S725: SOF Tactical Radio Systems			
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
S725: SOF Tactical Radio Systems	2.277	-	3.036	-	3.036	3.089	3.145	3.199	3.254	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
This project is for development of all SOF tactical radio programs. The SOF mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. SOF units require radio communication equipment that improves their war-fighting capability without degrading their mobility. USSOCOM has developed an overall strategy to ensure that Tactical Radio Systems continue to provide SOF with the required capabilities throughout the 21st century. Tactical Radios provide the critical C3 link between SOF Commanders and SOF Teams involved in overseas contingency operations (OCO) and training exercises. They also provide interoperability with all Services, various agencies of the U.S. Government, Air Traffic Control, commercial agencies, and allied foreign forces. Tactical Radios rapidly and seamlessly establish and maintain mobile and fixed C2 communications between infiltrated/operational elements and higher echelon headquarters, allowing SOF to operate with any force combination in multiple environments.											
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2011	FY 2012	FY 2013	
Title: SOF Tactical Communications (STC)								2.277	-	3.036	
FY 2011 Accomplishments: Continued developing and testing Low Probability of Intercept/Low Probability of Detection (LPI/LPD) transceiver board upgrades and waveforms for SOF tactical radio application.											
FY 2013 Plans: Develop and test DoD on-orbit capacity in order to enhance C2 capabilities. The STC program incorporates the Special Mission Radio System, Multi-Band Inter/Intra Team Radio, and the Multi-Band, Multi-Mission Radio.											
Accomplishments/Planned Programs Subtotals								2.277	-	3.036	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	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
• PROC1: Tactical Radio Systems	59.860	151.353	75.132	0.000	75.132	63.922	52.859	55.205	57.670	Continuing	Continuing
D. Acquisition Strategy											
N/A											
E. Performance Metrics											
N/A											

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2013 United States Special Operations Command											<b>DATE:</b> February 2012		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 1160476BB: <i>SOF Tactical Radio Systems</i>				<b>PROJECT</b> S725: <i>SOF Tactical Radio Systems</i>					

  

Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SOF Tactical Communications (STC)	MIPR	Various:Various	2.277	-		3.036	Jan 2013	-		3.036	Continuing	Continuing	
Prior Year Funding - Completed Efforts	MIPR	Technical Support Group (TSG):Norfolk, VA	56.279	-		-		-		-	0.000	56.279	
<b>Subtotal</b>			58.556	-		3.036		-		3.036			

  

	Total Prior Years Cost	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	58.556	-	3.036	-	3.036			

  

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 United States Special Operations Command	<b>DATE:</b> February 2012
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<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 1160476BB: <i>SOF Tactical Radio Systems</i>	<b>PROJECT</b> S725: <i>SOF Tactical Radio Systems</i>
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FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

<b>SOF Tactical Radios</b>	
SOF Tactical Communications (STC) Radio Development	<div style="background-color: black; width: 100px; height: 1.2em;"></div>

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 United States Special Operations Command			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 1160476BB: <i>SOF Tactical Radio Systems</i>	<b>PROJECT</b> S725: <i>SOF Tactical Radio Systems</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>SOF Tactical Radios</i></b>				
SOF Tactical Communications (STC) Radio Development	2	2013	4	2013