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 1160474BB: *SOF Communications Equipment and Electronics 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
Total Program Element	0.894	1.392	2.225	-	2.225	2.428	2.836	2.938	1.213	Continuing	Continuing
S700: *SOF Communications Equipment and Electronics Sys*	0.894	1.392	2.225	-	2.225	2.428	2.836	2.938	1.213	Continuing	Continuing

A. Mission Description and Budget Item Justification

This program element provides for communication systems to meet emergent requirements to support Special Operations Forces (SOF). The SOF mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. SOF units require communications equipment that improves their warfighting capability without degrading their mobility. Therefore, SOF Communications Equipment and Electronics is a continuing effort to develop smaller, lighter, more efficient and more robust SOF Command, Control, Communications, and Computer (C4) capabilities.

B. Program Change Summary ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	1.922	1.392	0.785	-	0.785
Current President's Budget	0.894	1.392	2.225	-	2.225
Total Adjustments	-1.028	-	1.440	-	1.440
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.023	-			
• Other Adjustment	-1.005	-	1.440	-	1.440

Change Summary Explanation

Funding:

FY 2011: Decrease of $1.028 million due to economic assumption reductions (-$0.005 million), a congressional reduction as result of execution delays (-$1.000 million), and a transfer to Small Business Innovative Research (-$0.005 million).

FY 2012: None.

FY2013: Increase of $1.440 million due to reprogramming to support development and testing of 3G/4G technology ($1.413 million), and an economic assumption increase ($0.027 million).

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Schedule: None.

Technical: None.

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 1160474BB: *SOF Communications Equipment and Electronics Systems*	PROJECT S700: *SOF Communications Equipment and Electronics Sys*	

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
S700: *SOF Communications Equipment and Electronics Sys*	0.894	1.392	2.225	-	2.225	2.428	2.836	2.938	1.213	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

This project provides for communication systems to meet emergent requirements to support Special Operations Forces (SOF). The SOF mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. SOF units require communications equipment that improves their warfighting capability without degrading their mobility. Therefore, SOF Communications Advanced Development is a continuing effort to develop smaller, lighter, more efficient and more robust SOF Command, Control, Communications, and Computer (C4) capabilities.

United States Special Operations Command (USSOCOM) has developed an overall strategy to ensure that C4 systems continue to provide SOF with the required capabilities throughout the 21st century. USSOCOM's C4 systems comprise an integrated network of systems providing positive command and control and the timely exchange of information to all organizational echelons. The C4I systems that support this new architecture employ the latest standards and technology by transitioning from separate systems to full integration within the Global Information Grid (GIG). The GIG is a multitude of existing and projected national assets that allows SOF elements to operate with any force combination in multiple environments.

• SOF Deployable Node (SDN) is a family of satellite communications assemblages that includes the following subprograms: heavy, medium, light, and Evolutionary Technology Insertions (ETI). The SDN provides new technology for the next generation antenna capability for all systems: heavy, medium, and light. This program consists of a family of deployable super high frequency, multi-band, satellite communications assemblages capable of supporting high-capacity, voice, data, video teleconferencing and video at all levels of classification. ETIs include Satellite on the Move version A (float and ground variants).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Title: SOF Deployable Node	0.894	1.392	2.225	-	2.225
FY 2011 Accomplishments: Developed, tested, and evaluated next generation SOF Deployable Node Light manpack systems and multi-purpose baseband, and the next generation SOF Deployable Medium terminal. Tested and evaluated migration to Ka-band 1.6 meter antenna. Developed and tested next generation enhanced line of sight capability. Tested and evaluated new wideband Satellite Communications (SATCOM) systems and encryption devices.					
FY 2012 Plans:					

Exhibit R-2A, RDT&E Project Justification: PB 2013 United States Special Operations Command		DATE: February 2012
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B. Accomplishments/Planned Programs ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Continues to develop, test, and evaluate next generation light manpack systems and multi-purpose baseband, and the next generation medium terminal. ***FY 2013 Base Plans:*** Continue to develop, test, and evaluate next generation light manpack systems and multi-purpose baseband, and the next generation medium terminal. Also extend current SOF assured communications services to the tactical operator leveraging hand-held 3G/4G technology.					
Accomplishments/Planned Programs Subtotals	0.894	1.392	2.225	-	2.225

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
• PROC3: *COMMUNICATIONS EQUIPMENT AND ELECTRONICS*	77.260	166.814	99.838	0.151	99.989	115.999	106.603	117.792	107.725	Continuing	Continuing

D. Acquisition Strategy

• SOF Deployable Node is a fielded program being upgraded for next generation evolutionary technology insertions for all systems: heavy, medium, and light variants. Commercial and government agency sources will be leveraged for required certifications, functional and operational test, and acceptance support.

E. Performance Metrics

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 United States Special Operations Command			DATE: February 2012
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Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SOF Deployable Node Antenna	MIPR	AFRL:Dayton, OH	1.600	1.392	Nov 2011	2.225	Nov 2012	-		2.225	Continuing	Continuing	
		Subtotal	1.600	1.392		2.225		-		2.225			

	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	1.600	1.392		2.225		-		2.225			

Remarks

Exhibit R-4, RDT&E Schedule Profile: 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 1160474BB: *SOF Communications Equipment and Electronics Systems*	PROJECT S700: *SOF Communications Equipment and Electronics Sys*

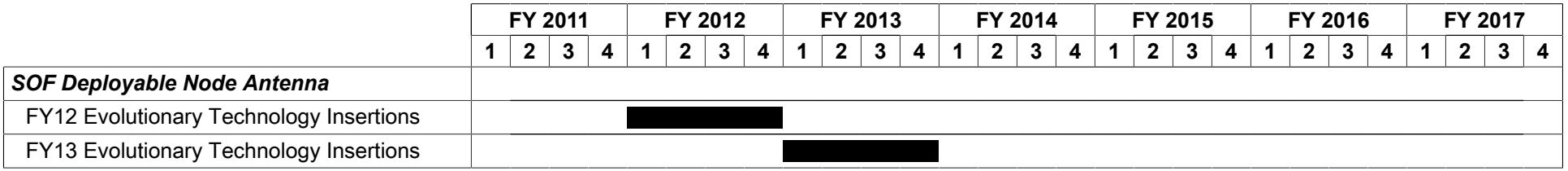

Exhibit R-4A, RDT&E Schedule Details: PB 2013 United States Special Operations Command		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 7: *Operational Systems Development*	**R-1 ITEM NOMENCLATURE** PE 1160474BB: *SOF Communications Equipment and Electronics Systems*	**PROJECT** S700: *SOF Communications Equipment and Electronics Sys*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
SOF Deployable Node Antenna				
FY12 Evolutionary Technology Insertions	1	2012	4	2012
FY13 Evolutionary Technology Insertions	1	2013	4	2013

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