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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 United States Special Operations Command **Date:** March 2014

Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide / BA 3: Advanced Technology Development (ATD)	R-1 Program Element (Number/Name) PE 1160472BB / SOF Information and Broadcast Systems Advanced Technology
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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	18.893	4.442	-	-	-	-	-	-	-	-	-	23.335
S225: SOF Information and Broadcast Systems Adv Tech	18.893	4.442	-	-	-	-	-	-	-	-	-	23.335

The FY 2015 OCO Request will be submitted at a later date.

Note

Beginning in FY2014, this Program Element (PE) 1160472BB, SOF Information and Broadcast Systems Advanced Technology has been consolidated into SOCOM PE 1160402BB, Special Operations Advanced Technology Development.

A. Mission Description and Budget Item Justification

This Program Element (PE) conducts rapid prototyping, advanced technology demonstrations, and advanced concept technology demonstrations of information and broadcast systems technology. Includes planning, analyzing, evaluating, and production information systems capabilities and distribution/dissemination broadcast systems capabilities. It provides a means for demonstrating and evaluating the utility of emerging/advanced technologies in as realistic an operational environment as possible by Special Operations Forces (SOF) users. This PE integrates efforts with each other and conducts technology demonstrations in conjunction with joint experiments and other assessment events. Evaluation results are included in a transition package, which assists in the initiation of or insertion into an acquisition program. The PE also addresses unique, joint special mission or area-specific needs for which prototypes must be developed on a rapid response basis, or are of sufficient time sensitivity to accelerate the prototyping effort of a normal acquisition program in any phase.

B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	4.959	-	-	-	-
Current President's Budget	4.442	-	-	-	-
Total Adjustments	-0.517	-	-	-	-
• Congressional General Reductions	-0.358	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-0.007	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.152	-			

Change Summary Explanation

Funding:

PE 1160472BB: SOF Information and Broadcast Systems Advanced Tec...

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Appropriation/Budget Activity	R-1 Program Element (Number/Name)	
0400: Research, Development, Test & Evaluation, Defense-Wide I BA 3: Advanced Technology Development (ATD)	PE 1160472BB I SOF Information and Broadcast Systems Advanced Technology	
FY 2013: Decrease of \$0.517 million is due to sequestration reductions (-\$0.358 million), a congressional rescission reduction (-\$0.007 million), and a transfer of funds to Small Business Innovative Research (-\$0.152 million).		
Sequestration Impacts: The sequestration decrease required project re-scope and negotiation.		
FY 2014: None.		
Schedule: None.		
Technical: None.		

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Exhibit R-2A, RDT&E Project Justification: PB 2015 United States Special Operations Command	Date: March 2014
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Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 1160472BB / <i>SOF Information and Broadcast Systems Advanced Technology</i>	Project (Number/Name) S225 / <i>SOF Information and Broadcast Systems Adv Tech</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
S225: <i>SOF Information and Broadcast Systems Adv Tech</i>	18.893	4.442	-	-	-	-	-	-	-	-	-	23.335

The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

This project conducts rapid prototyping of information and broadcast system technology. This includes cyber capabilities that predict the best media channels to reach potential target audiences, data mining and information collections tools, propaganda and social behavior analytical tools, cultural analysis toolsets and emerging technologies that support the planning and analytical needs for the Military Information Support Operations (MISO) forces. It provides a means for demonstrating and evaluating the utility of emerging/advanced technologies in as realistic an operational environment as possible by Special Operations Forces (SOF) users. This project integrates efforts and conducts technology demonstrations in conjunction with joint experiments and other assessment events and performs market research on emerging technologies that support all phases of MISO. Evaluation results are included in a transition package, which assists in the initiation of or insertion into an acquisition program. The project also addresses unique, joint special mission or area-specific needs. Seeks technologies that will transform current MISO capabilities through two major objectives: 1) Exploit technologies capable of disseminating products to reach target audiences across a variety of media to include audiences in denied areas. 2) Automate and improve MISO planning and analytical capability through technologies that are integrated into SOF planning systems (Cultural Analysis, Targeting, Theme Development, Media & Product Selection, Distribution & Dissemination, and Measures of Effectiveness). Develops software applications that increase the efficiency and shorten the timeline to get MISO dissemination packages approved. Develops hardware/software tools that facilitate the collaboration and sharing of information and other critical data.

MISO Modernization. This initiative will initiate and continue development of emergent technologies available in the marketplace to transform and modernize MISO planning, analysis, development, broadcast, distribution, dissemination, and feedback capabilities. This initiative will also continue development of appropriate emerging technologies initially identified by Advanced Technology Demonstrations (ATDs) and Joint Capability Technology Demonstrations (JCTDs) to transition to acquisition programs. Technologies include: multi-frequency broadcast systems; digital broadcast capabilities; remote controlled electronic paper; near-real-time command and control of unattended MISO systems, especially in denied areas; focused/beam speaker sound technologies; visual projection technologies; advanced commercial broadcast technologies including amplitude modulation and frequency modulation radio transmitters and antenna; television transmitter and antenna systems; internet and telephony dissemination and broadcast systems; technologies capable of disseminating MISO products to reach target audiences across a wide variety of media into denied areas; technologies capable of unmanned, long-loiter MISO broadcast and delivery in denied and permissive environments; and technologies that automate in a collaborative environment accomplishing the seven phase MISO process (Planning, Targeting Audience Analysis, Series Development, Product Development and Design, Approval, Production/Distribution/Dissemination, and Measures of Effectiveness) through integrated capabilities.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2013	FY 2014	FY 2015
Title: MISO Modernization	4.442	-	-
FY 2013 Accomplishments:			

PE 1160472BB: *SOF Information and Broadcast Systems Advanced Tec...*

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B. Accomplishments/Planned Programs (\$ in Millions)												
Continued to transition previously developed technologies to programs of record.										FY 2013	FY 2014	FY 2015
Accomplishments/Planned Programs Subtotals										4.442	-	-
C. Other Program Funding Summary (\$ in Millions)												
Line Item	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	
• PROC1: <i>Military Information Support Operations</i>	25.188	-	-	-	-	-	-	-	-	-	25.188	
Remarks												
D. Acquisition Strategy N/A												
E. Performance Metrics N/A												