

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)						DATE FEBRUARY 2008																																							
APPROPRIATION / BUDGET ACTIVITY RDT&E, DEFENSE-WIDE / 3			R-1 ITEM NOMENCLATURE / PROJECT NO. PE 1160472BB SOF Information and Broadcast Systems Technology Development/S225																																										
Cost (Dollars in Millions)	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Cost to Complete	Total Cost																																				
PE1160472BB			10.990	5.950	5.948	5.948	5.948	Cont.	Cont.																																				
S225, SOF Information and Broadcast Systems Technology Development			10.990	5.950	5.948	5.948	5.948	Cont.	Cont.																																				
<p><i>A new program element (PE)(1160472BB) was established beginning in FY 2009 for SOF Information and Broadcast Systems Technology Development. FY 2009-2013 resources were moved from PE 1160402BB, Special Operations Advanced Technology Development.</i></p> <p>A. Mission Description and Budget Item Justification: This Program Element (PE) conducts rapid prototyping, Advanced Technology Demonstrations (ATDs), and Advanced Concept Technology Demonstrations (ACTDs) of information and broadcast systems technology. This includes planning, analysis, evaluation, and production information systems capabilities and distribution and dissemination broadcast systems capabilities. This includes planning, analysis, evaluation, and production information systems capabilities and distribution and 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 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 a few-of-a-kind 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.</p> <p>B. Program Change Summary:</p> <table border="0"> <thead> <tr> <th></th> <th><u>FY07</u></th> <th><u>FY08</u></th> <th><u>FY09</u></th> </tr> </thead> <tbody> <tr> <td>Previous President's Budget</td> <td></td> <td></td> <td></td> </tr> <tr> <td>President's Budget</td> <td></td> <td></td> <td>10.990</td> </tr> <tr> <td>Total Adjustments</td> <td></td> <td></td> <td>10.990</td> </tr> <tr> <td> Congressional Program Reductions</td> <td></td> <td></td> <td></td> </tr> <tr> <td> Congressional Increases</td> <td></td> <td></td> <td></td> </tr> <tr> <td> Reprogrammings</td> <td></td> <td></td> <td></td> </tr> <tr> <td> Other Program Adjustments</td> <td></td> <td></td> <td>10.990</td> </tr> <tr> <td> SBIR Transfer</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>											<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	Previous President's Budget				President's Budget			10.990	Total Adjustments			10.990	Congressional Program Reductions				Congressional Increases				Reprogrammings				Other Program Adjustments			10.990	SBIR Transfer			
	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>																																										
Previous President's Budget																																													
President's Budget			10.990																																										
Total Adjustments			10.990																																										
Congressional Program Reductions																																													
Congressional Increases																																													
Reprogrammings																																													
Other Program Adjustments			10.990																																										
SBIR Transfer																																													

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)		DATE FEBRUARY 2008
APPROPRIATION / BUDGET ACTIVITY RDT&E, DEFENSE-WIDE / 3	R-1 ITEM NOMENCLATURE / PROJECT NO. PE 1160472BB SOF Information and Broadcast Systems Technology Development/S225	
<p>Funding:</p> <p>FY07: No change.</p> <p>FY08: No change.</p> <p>FY09: Increase of \$10.990 million is the result of establishing a new Program Element (PE). Funds were moved from PE 1160402BB, Special Operations Advanced Technology Development.</p> <p>Schedule: None.</p> <p>Technical: None.</p>		

Exhibit R-2a, RDT&E Project Justification		Date: FEBRUARY 2008
Appropriation/Budget Activity RDT&E BA # 3	SOF Information and Broadcast Systems Advanced Technology/Project 225	

Cost (\$ in million)	FY07	FY08	FY09	FY10	FY11	FY12	FY13
SOF Information and Broadcast Systems Advanced Technology			10.990	5.950	5.948	5.948	5.948
RDT&E Articles Quantity							

A new project was established for SOF Information and Broadcast Systems beginning in FY 2009. FY 2009-2013 resources were moved from project S200, Special Operations Special Technology.

A. Mission Description and Budget Item Justification: This project conducts rapid prototyping, Advanced Technology Demonstrations (ATDs), and Advanced Concept Technology Demonstrations (ACTDs) of information and broadcast system technology. It provides a means for demonstrating and evaluating the utility of emerging/advanced technologies in as realistic an operational environment as possible by SOF users. This project 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 project also addresses unique, joint special mission or area-specific needs for which a few-of-a-kind 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. Efforts include:

- Psychological Operations (PSYOP) “Global Reach” ACTD. Seeks technologies that will transform current PSYOP capabilities through two major objectives: 1) Exploit technologies capable of disseminating PSYOP product to reach target audiences across a variety of media into denied areas to include ranges up to 800 Nautical Miles (NM), and 2) Automate and improve PSYOP planning and analytical capability through technologies that are integrated into SOF planning systems (Cultural Analysis, Targeting, Theme Development, Media & Product Selection, Distribution & Dissemination, Measures of Effectiveness).
- PSYOP Modernization. This initiative will initiate and continue development of emergent technologies available in the marketplace to transform and modernize PSYOP planning, analysis, development, broadcast, distribution, dissemination, and feedback capabilities. This initiative will also continue development of appropriate emerging technologies initially identified by ATDs and ACTDs to transition to acquisition programs. Technologies include: multi-frequency broadcasts systems; digital broadcast capabilities; remote controlled electronic paper; near real-time command and control of unattended PSYOP systems, especially in denied areas; focused/beam speaker sound technologies; visual projection technologies; advanced commercial broadcast technologies including Amplitude Modulation (AM) and Frequency Modulation (FM) radio transmitters and antenna; television (TV) transmitter and antenna systems; internet and telephony dissemination and broadcast systems, technologies capable of disseminating PSYOP products to reach target audiences across a wide

Exhibit R-2a, RDT&E Project Justification		Date: FEBRUARY 2008
Appropriation/Budget Activity RDT&E BA # 3	SOF Information and Broadcast Systems Advanced Technology/Project 225	

variety of media into denied areas; and technologies that automate and improve Psychological Operations (PSYOP) planning and analytical capability through integrated capabilities.

B. Accomplishments/Planned Program

Cost (\$ in million)	FY07	FY08	FY09
PSYOP "Global Reach" Advanced Concept Technology Demonstration			4.970
RDT&E Articles Quantity			

FY09 Demonstrate and perform an extended user evaluation (EUE) for the broadcast payloads on Predator type Unmanned Aerial Vehicle platforms. Demonstrate and perform EUE for the broadcast payload for High Altitude Unmanned Aerial System (Global Observer or HALE). Both these EUEs will be in preparation for transition. In addition, transitions software/hardware for PSYOP Planning and Analysis System.

Cost (\$ in million)	FY07	FY08	FY09
PSYOP Modernization			6.020
RDT&E Articles Quantity			

FY09 Explore emergent technologies available in the marketplace to transform and modernize PSYOP technology capabilities across several PSYOP shortcomings to include: the Next Generation Loudspeaker System, Long Range Broadcast System, PSYOP Media Displays, and Next Generation Leaflet Delivery System. This effort will also enhance and modernize PSYOP Broadcast Systems and PSYOP Print Systems.

C. Other Program Funding Summary:

	<u>FY07</u>	<u>FY08</u>
RDT&E, S200, Special Operations Technology	7.288	5.838

D. Acquisition Strategy: N/A.