

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)					DATE FEBRUARY 2008																																								
APPROPRIATION / BUDGET ACTIVITY RDT&E, DEFENSE-WIDE / 7			R-1 ITEM NOMENCLATURE / PROJECT NO. PE 1160488BB SOF PSYOP/D476																																										
COST (Dollars in Millions)	FY07	FY08	FY09	FY10	FY11	FY12	FY12	Cost to Complete	Total Cost																																				
PE1160488BB			15.554	9.174	.697			Cont.	Cont.																																				
D476, PSYOPS Advanced Development			15.554	9.174	.697			Cont.	Cont.																																				
<i>A new program element (PE)(1160488BB) was established beginning in FY 2009 for SOF Psychological Operations (PSYOP). FY 2009-2013 resources were moved from PE 1160404BB, Special Operations Tactical Systems Development.</i>																																													
<p>A. Mission Description and Budget Item Justification: This program element provides for the development, test and integration of Psychological Operations (PSYOP) equipment. PSYOP are planned operations to convey selected information and indicators to foreign audiences to influence their emotions, motives, objective reasoning, and ultimately, the behavior of foreign governments, organizations, groups, and individuals. This program element funds transformational systems and equipment to conduct PSYOP in support of combatant commanders.</p> <p>B. Program Change Summary:</p> <table style="margin-left: 40px;"> <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>Current President's Budget</td> <td></td> <td></td> <td>15.554</td> </tr> <tr> <td>Total Adjustments</td> <td></td> <td></td> <td>15.554</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>15.554</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				Current President's Budget			15.554	Total Adjustments			15.554	Congressional Program Reductions				Congressional Increases				Reprogrammings				Other Program Adjustments			15.554	SBIR Transfer			
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APPROPRIATION / BUDGET ACTIVITY RDT&E, DEFENSE-WIDE / 7	R-1 ITEM NOMENCLATURE / PROJECT NO. PE 1160488BB SOF PSYOP/D476	
<p>Funding: FY07: No change. FY08: No change. FY09: A new PE (1160488BB) was established beginning in FY 2009 for SOF PSYOP. FY 2009-2013 resources were moved from PE 1160404BB, Special Operations Tactical Systems 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 # 7	PSYOP Advanced Development/Project D476	

Cost (\$ in millions)	FY07	FY08	FY09	FY10	FY11	FY12	FY13
	9.402	6.754	15.554	9.174	.697		
RDT&E Articles Quantity							

A new program element (PE) 1160488BB was established for this project beginning in FY 2009. FY 2009-2013 resources were moved from PE 1160404BB, Special Operations Tactical Systems Development.

A. Mission Description and Budget Item Justification: This project provides for the development and acquisition of Psychological Operations (PSYOP) equipment. PSYOP is planned operations to convey selected information and indicators to foreign audiences to influence their emotions, motives, objective reasoning, and ultimately, the behavior of foreign governments, organizations, groups, and individuals. This project funds transformational systems and equipment to conduct PSYOP in support of combatant commanders. The PSYOP sub-projects funded are grouped by the level of organization they support. Sub-projects include:

- PSYOP Broadcast System (POBS) consists of fixed and deployable multi-media production facilities for radio and television programming, distribution systems, and dissemination systems to provide PSYOP support to theater commanders. POBS is comprised of several interfacing systems that can stand alone or interoperate with other PSYOP systems as determined by mission requirements. POBS includes: the fixed site Media Production Center (MPC), a deployable Theater MPC (TMPC); the PSYOP Distribution System (PDS) that provides a PSYOP product distribution link to POBS systems worldwide; the Special Operations Media System (SOMS), and the transit case Fly-Away Broadcast Systems (FABS) both consisting of any combination of Amplitude Modulation (AM), Frequency Modulation (FM), Shortwave (SW), and Television (TV) transmitters and radio/TV production systems; and Long Range Broadcast System (LRBS). LRBS subsystems will include unmanned aerial vehicle (UAV) payloads, scatterable media, telephony, and Internet broadcast. PSYOP Media Displays (POMD) will consist of easily transportable, state of the art, electronic media displays designed to disseminate and direct broadcast electronic messages, which will influence foreign Target Audiences (TA), and will support the PSYOP direct broadcast mission requirements.
- Family of Loudspeakers (FOL). The FOL consists of modular amplifiers and speakers that can be interconnected to form sets of loudspeakers that will provide high quality recorded audio, live dissemination, and acoustic deception capability. FOL is transported, operated, and mounted in ground vehicles, watercraft, and rotary wing aircraft, and dismounted for ground operations (tripod/manpack). FOL replaced current AN/UIH-6 (250 watt) Public Address Systems, and AN/UIH-6A (450 watt), AEM-1492 (900 watt), and LSS-40 (AN/PIH-1) portable loudspeakers. FOL permits loudspeaker missions to be conducted over larger areas than previous equipment and

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provides a greater standoff distance for U.S. Forces/assets. The replacement for the Family of Loudspeakers (FOL) is the Next Generation Loudspeaker System (NGLS) consisting of 7 variants: NGLS - Manpack variant; NGLS - Vehicle / Watercraft variant; NGLS - Unmanned Air Vehicle (UAV) variant; NGLS -Unmanned Ground Vehicle (UGV) variant; NGLS - Scatterable Media Long Duration (SMLD) variant; NGLS - Scatterable Media Short Duration (SMSD) variant; and NGLS -Sonic Projection (focused sound) variant. The NGLS provides capability improvements to include wireless networking, improved acoustic performance, unmanned ground and air vehicle transportability, scatterable speaker, long distance sonic projection sound and solid state modular amplifiers/speakers that can be interconnected using secure wireless technology to form sets of loudspeakers that provides high quality recorded audio, live dissemination, and acoustic deception capability.

- Next Generation Leaflet Delivery System (NGLDS). The NGLDS will provide PSYOP forces a family of systems consisting of UAVs, drones, missiles, and leaflet boxes that safely and accurately disseminates variable size and weight paper and electronic leaflets to large area targets, at short (10-750 miles) and long (>750 miles) ranges. These systems can be utilized in peacetime and all threat environments across the spectrum of conflict, and are compatible with current and future U.S. aircraft.

B. Accomplishments/Planned Program

	FY07	FY08	FY09
Psychological Operations (PSYOP) Broadcast System (POBS)	9.402	6.024	8.328
RDT&E Articles Quantity			

FY07 Continued primary hardware development, system engineering, and Developmental, Test and Evaluation (DT&E) on the Long Range Broadcast System (LRBS), POBS modernization efforts, and PSYOP planning and analysis system.
 FY08 Continue primary hardware development, system engineering, and DT&E on the LRBS, POBS modernization efforts, and PSYOP planning and analysis system. Commence primary hardware and software development, systems engineering and DT&E on PSYOP Media Displays (POMD).
 FY09 Continues primary hardware development, system engineering, and DT&E on the LRBS, POBS modernization efforts, and POMD.

Exhibit R-2a, RDT&E Project Justification		Date: FEBRUARY 2008
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	FY07	FY08	FY09
Family of Loudspeakers (FOL)		0.730	4.966
RDT&E Articles Quantity			
FY08 Operational Test and Evaluation (OT&E) on Next Generation Loudspeaker System (NGLS) manpack and vehicle watercraft variants. FY09 Primary hardware and software development, systems engineering, and Developmental, Test and Evaluation (DT&E) on the sonic projection variant; and OT&E on NGLS Unmanned Ground Vehicle, NGLS Unmanned Aerial Vehicle, NGLS Scatterable Media Long Duration, and NGLS Scatterable Media Short Duration variants.			
	FY07	FY08	FY09
Next Generation Leaflet Delivery System (NGLDS)			2.260
RDT&E Articles Quantity			
FY09 Develops NGLDS variants identified by the FY08 Analysis of Alternatives and market analysis.			

C. Other Program Funding Summary:

	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>To Complete</u>	<u>Total Cost</u>
Proc, PSYOP Equipment	57.358	58.183	64.778	51.087	42.257	0.000	28.917	Cont.	Cont.

D. Acquisition Strategy:

- Psychological Operations (PSYOP) Broadcast System (POBS) consists of wide-area systems providing radio, television programming and multi-media production, distribution and dissemination support to the theater commander. POBS is comprised of several interfacing systems that can stand alone or interoperate with other PSYOP systems as determined by mission requirements. These various sub-programs are in a post-Milestone C or various stages of milestone decisions. PSYOP Media Displays consists of Electronic Media Displays, Modular Systems, Electronic Paper, and Electronic Games. The program acquires and modifies, as necessary, commercial-off-the-shelf and governmental-off-the-shelf systems and equipment to provide the system capabilities.

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- Next Generation Leaflet Delivery System (NGLDS) - The NGLDS system consists of four variants: Unmanned Aerial Vehicle (UAV) System, Drone, Missile, and Leaflet Box. The program will conduct an Alternative of Analysis; acquire and modify, as necessary, commercial-off-the-shelf and governmental-off-the-shelf (COTS/GOTS) systems and equipment to replace the legacy Leaflet Delivery System; and facilitate the additional NGLDS requirements.

The Family of Loudspeakers replacement is the Next Generation Loudspeaker System that consists of seven variants: Manpack System; Vehicle/Watercraft System; UAV System; Unmanned Ground Vehicle System; Scatterable Media Long Duration System; Scatterable Media Short Duration System; and Sonic Projection System. The program acquires and modifies, as necessary, COTS/GOTS systems and equipment to replace or enhance current system capabilities.

APPROPRIATION / BUDGET ACTIVITY			SOF PSYOP/PE1160488BB								
RDT&E DEFENSE-WIDE / 7			PSYOP Advanced Development /D476								
Actual or Budget Value (\$ in millions)											
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PYs Cost	Budget Cost FY07	Award Date FY07	Budget Cost FY08	Award Date FY08	Budget Cost FY09	Award Date FY09	To Complete	Total Program
Primary Hardware Dev	Various	Various	9.674								9.674
POBS - POMD Dev & Design	REQN	TBD						2.000	Dec-08		
POBS - Wireless Ntwkg, Media Predictors	MIPR	NAVSEA, Washington, D.C.		1.168	Jan-07	1.265	Jan-08	3.300	Dec-08		Cont.
POBS - NGLS Dev/Design	REQN	TEAMCOR, Warner Robbins, GA		2.400	Nov-07	0.964	Jan-08				
POBS - PDS Lite Dev/Design	MIPR	CERDAC, Ft Monmouth, NJ		0.951	Mar-07	0.724	Jan-08				Cont.
Systems Engineering	Various	Various	3.537								3.537
NGLDS	TBD	TBD						2.260	Dec-08		
	MIPR	NAVAIR, St. Inigoes, MD	3.500	0.451	Jul 07						3.951
Subtotal Product Dev			16.711	4.970		2.953		7.560			Cont.
Remarks:											
Development Spt											
Subtotal Spt			0.000	0.000		0.000		0.000			
Developmental Test & Eval	Various	Various	0.955								Cont.
	MIPR	Army ATC, Aberdeen Prov Gd, MD	0.758	0.766	Nov-06						Cont.
POBS - Rotary Generator	REQN	Chenega, Tampa, FL		0.120		0.487	Feb-08				
POBS - POMD Dev Test	REQN	TBD				0.566	Apr-08				
	MIPR	JITC, Ft Huachuca, AZ	1.844	0.500	Feb-07						Cont.
POBS	MIPR	NAVAIR, St. Inigoes, MD	0.140	0.651	Aug-07	0.729	Dec-07				1.520
POBS	MIPR	SPAWAR, Charleston, SC	0.446	2.395	Mar-07	0.295	Dec-07				Cont.
POBS-Payload Dev & Test	REQN	Chenega, Tampa, FL				0.994	Feb-08	3.028	Dec-08		
FOL Operational Test & Evaluation	REQN	TEAMCOR, Warner Robbins, GA				0.730	Dec-07	4.966	Dec-08		
Subtotal T&E			4.143	4.432		3.801		7.994			Cont.
Contractor Engineering Spt											
Subtotal Management											
Remarks:											
Total Cost			20.854	9.402		6.754		15.554		0.000	Cont
Remarks:											

Exhibit R-4, RDT&E Program Schedule Profile											Date: FEBRUARY 2008																	
Appropriation/Budget Activity					Program Element Number and Name											Project Number and Name												
RDT&E/7					PE1160488BB/SOF PSYOP											Project D476/PSYOP Advanced Development												
Fiscal Year	2007				2008				2009				2010				2011				2012				2013			
	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
Psychological Operations (PSYOP) Broadcast System Long Range Broadcast System (LRBS) UAV-P HW Dev & Testing	▲	▲					▲	▲	▲	▲			▲	▲			▲	▲										
POBS LRBS Scatterable Media Testing		▲				▲																						
POBS Fly-Away Broadcast System (FABS) Testing (FM & TV)	▲	▲																										
Family of Loudspeakers Next Generation Loudspeaker					▲	▲	▲	▲	▲	▲			▲	▲														
PSYOP Distribution System Light Architecture Support			▲	▲	▲	▲	▲	▲																				
FABS/Special Operations Media System B Antenna Testing				▲	▲	▲	▲	▲																				
Next Generation Leaflet Delivery System											▲	▲	▲	▲														
PSYOP Media Displays					▲	▲	▲	▲	▲	▲			▲	▲														

