

United States Special Operations Command

Fiscal Year (FY) 2009 Budget Estimates

February 2008



Procurement, Defense-Wide

UNITED STATES SPECIAL OPERATIONS COMMAND

PROCUREMENT DOCUMENTATION FOR THE FISCAL YEAR (FY) 2009 BUDGET ESTIMATE

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UNITED STATES SPECIAL OPERATIONS COMMAND

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ORGANIZATIONS

160th SOAR	160th Special Operations Aviation Regiment
AFSOC	Air Force Special Operations Command
ARSOA	Army Special Operations Aviation
CERDEC	Communications-Electronics Research, Development and Engineering Center
DARPA	Defense Advanced Research Projects Agency
DTRA	Defense Threat Reduction Agency
FDA	Federal Drug Administration
MARSOC	Marine Special Operations Command
NAVSPECWARCOM	Naval Special Warfare Command
PMA-275	V-22 Joint Program Office
SOFSA	Special Operations Forces Support Facility
1SOW	1 Special Operations Wing
TSOC	Theater Special Operations Command
USASOC	United States Army Special Operations Command
USSOCOM	United States Special Operations Command

ACRONYMS

A2C2S	Army Aviation Command & Control System
AA	Anti-Armor
ACTD	Advanced Concepts Technology Demonstration
ADM-NVG	Advanced Digital Multi-Spectral Night Vision Goggle
ADP	Automated Data Processing
ADRAC	Altitude Decompression Sickness Risk Assessment Computer
ADSS	Adaptive Deployable Sensor Suite
AFCS	Auto Flight Control System
AGE	Arterial Gas Embolism
AHRS	Attitude Heading Reference System
ALE	Automatic Link Establishment
ALGL	Autonomous Landing Guidance System
ALGS	Advanced Lightweight Grenade Launcher
ALLTV	All Light Level Television
AMP	Avionics Modernization Program
AMR	Anti-Materiel Rifle
AOPBS	Aircraft Occupant Ballistic Protection System
ARAP	ASDS Reliability Action Panel
AS&C	Advanced Systems Concept
ASD	Assistant Secretary of Defense
ASDS	Advanced Sea, Air, Land Delivery System
ASE	Aircraft Survivability Equipment
ASICD	Application Specific Integrated Circuit Development
ASM	Anti Structural Munitions
ATACMS	Army Tactical Missile System
ATD	Advanced Technology Demonstration
ATD/TB	AC-130U Gunship Aircrew Training Devices/Testbed
ATL	Advanced Tactical Laser
ATM	Asynchronous Transfer Mode
ATPIAL	Advanced Tactical Precision Illuminator Aiming Laser
ATPS	Advanced Tactical Parachute System
ATV	All Terrain Vehicle
AWE	Aircraft, Weapons, Electronics
BALCS	Body Armor Load Carriage System

ACRONYMS

BFT	Blue Force Tracking
BIO	Basic Input Output
BLOS	Beyond Line-of-Site
BLOSEM	Below Line-of-Site Electronic Support Measures
BMATT	Brief Multimission Advanced Tactical Terminal
BOIP	Basis of Issue Plan
BUD/S	Basic Underwater Demolition School
C2	Command and Control
C3I	Command, Control, Communications, and Intelligence
C4	Command, Control, Communications, and Computers
C4I	Command, Control, Communications, Computers, and Intelligence
C4IAS	Command, Control, Communications, Computers, and Intelligence Automation System
CAAP	Common Avionics Architecture for Penetration
CAAS	Common Avionics Architecture Systems
CAPS	Counter-Proliferation Analysis and Planning System
CBN	Chemical, Biological and Nuclear
CCCEKIT	Combat Casualty Care Equipment Kit
CCD	Coherent Change Detection
CCD	Charged Coupled Device (Forward Looking Infrared Radar Only)
CDR	Critical Design Review
CERP	Capital Equipment Replacement Plan
CESE	Civil Engineering Support Equipment
CFE	Contractor Furnished Equipment
CINC	Commander in Chief
CLR	Combat Loss Replacement
CMNS	Combat Mission Needs Statement
CMS	Combat Mission Simulator
CNVD	Clip-On Night Vision Device
COIL	Chemical Oxygen Iodine Laser
COMSEC	Communications Security
CONOPS	Concept of Operations
COTS	Commercial-Off-The-Shelf
COW	Cost of War
CP	Counter-Proliferation

ACRONYMS

CPAF	Cost Plus Award Fee
CS	Confined Space (Light Anti-Armored Weapons)
CS	Combat Swimmer
CSAR	Combat Survivor Evader Locator
CSEL	Combat Search and Rescue
CSOLO	Commando Solo
CW	Center Wing
DAGR	Defense Advanced Global Positioning System Receiver
DAMA	Demand Assured Multiple Access
DARPA	Defense Advanced Research Projects Agency
DAS	Distributed Aperture System
DCGS	Data Common Ground/Surface System
DCS	Decompression Sickness
DDR&E	Director, Defense Research & Engineering
DDS	Dry Deck Shelter
DERF	Defense Emergency Response Fund
DHEA	Dehydroepiandrosterone
DIAM	Data Interface Acquisition Module
DIRCM	Directional Infrared Countermeasures
DMCS	Deployable Multi-Channel SATCOM
DMS	Diminished Manufacturing Sources (ASDS)
DMS	Defense Message System
DMT/DMR	Distributed Mission Training/Distributed Mission Rehearsal
DPPC	Deployable Print Production Center
DT	Development and Test
DTT	Desk Top Trainer
DUSD	Deputy Under Secretary of Defense
EA	Evolutionary Acquisition
ECM	Electronic Countermeasures
ECO	Engineering Change Order
ECOS	Enhanced Combat Optical Sights
ECP	Engineering Change Proposal
EDM	Engineering Development Model
EFP	Explosively Forced Penetrator

ACRONYMS

EGLM	Enhanced Grenade Launcher Module
EIR	Embedded Integrated Broadcast System Receiver
EIRS	Enhanced Infrared Suppression
EMD	Engineering and Manufacturing Development
ENTR	Embedded National Tactical Receiver
EOIR	Electro-Optical Infrared
EPRO	Environmental Protection
ESA	Enhanced Situational Awareness
ETCAS	Enhanced Traffic Alert and Collision Avoidance System
ETI	Evolutionary Technology Insertion
EW	Electronic Warfare
EWAISF	Electronic Warfare Avionics Integrated Systems Facility
EWO	Electronic Warfare Officer
FAA	Federal Aviation Administration
FABS	Fly-Away Broadcast System
FCD	Field Computing Devices
FCT	Foreign Comparative Testing
F&DR	Fielding & Deployment Release
FFE	Fire From Enclosure
FLIR	Forward Looking Infrared Radar
FMBS	Family of Muzzle Brake Suppressors
FNM	Foreign & Nonstandard Materiel
FOL	Family of Loud Speakers
FPM	Flight Performance Model
FSOV	Family of SOF Vehicles
FSW	Family of Sniper Weapons
FW	Fixed Wing
FSDS	Family of Sniper Detection Systems
GBS	Global Broadcasting System
GDS	Gunfire Detection System
GEO	Geological
GFE	Government Furnishment Equipment
GMV	Ground Mobility Vehicles
GM-VAS	Ground Mobility Visual Augmentation Systems

ACRONYMS

GOTS	Government-Off-the-Shelf
GPK	Gunner Protection Kit
GPS	Global Positioning System
GSK	Ground Signal Intelligence Kit
H-SUV	Hardened-Sport Utility Vehicle
HE	High Explosive
HEI	High Explosive Incendiary
HF	High Frequency
HFTTL	Hostile Forces Tagging, Tracking, and Locating
HLA	High Level Architecture
HMMWV	High Mobility Multi-purpose Wheeled Vehicle
HPFOTD	High Power Fiber Optic Towed Decoys
HPMMR	High Performance Multi-Mission Radio (PRC-117F)
HPS	Human Patient Simulator
HRLMD	Hydrographic Reconnaissance Littoral Mapping Device
HSB	High Speed Boat
HSR	Heavy Sniper Rifle
IAS/CMS	Integration Avionics System/Cockpit Management System
IBR	Intelligence Broadcast Receiver
IBS	Integrated Broadcast Service
IC	Interim Configuration
ICAD	Integrated Control and Display
ICLS	Interim Contractor Logistics Support
ICS	Interim Contractor Support
IDAP	Integrated Defensive Armed Penetrator
IDAS	Interactive Defensive Avionics Subsystem
IDS	Infrared Detection System
IED	Improvised Explosive Devices
IFF	Identify Friend or Foe
ILM	Improved Limpet Mine
IM	Insensitive Munitions
IMFP	Integrated Multi-Function Probe
ILS	Integrated Logistics Support
INFOSEC	Information Security

ACRONYMS

INOD	Improved Night/Day Observation/Fire Control Device
INS	Inertial Navigation System
IOC	Initial Operational Capability
IPT	Integrated Product Team
IR	Infrared
IRCM	Infrared Countermeasures
ISR	Intelligence Surveillance and Reconnaissance
ISSMS	Improved SOF Manpack System
ISOCA	Improved Special Operations Communications Assemblage
ITMP	Integrated Technical Management Plan
IWIS	Integrated Warfare Info System
JBS	Joint Base Station
JCIDS	Joint Capabilities Integration and Development System
JCS	Joint Chiefs of Staff
JDISS	Joint Deployable Intelligence Support System
JEM	Joint Enhanced Multi-Purpose Inter/Intra Team Radio
JMPS	Joint Mission Planning System
JOS	Joint Operational Stocks
JSOAC	Joint Special Operations Aviation Components
JSOTFS	Joint Special Operations Task Force
JSTAR	Joint Surveillance and Target Attack Radar System
JTC	Joint Terminal Control
JTRS	Joint Tactical Radio System
JTWS	Joint Threat Warning System
LASIK	Laser-Assisted IN-Situ Keratomileusis
LAN/WAN	Local Area Network/Wide Area Network
LASAR	Light Assault Attack Reconfigurable Simulator
LAW	Light Anti-Armored Weapons
LBJ	Low Band Jammer
LCMP	Life Cycle Management Plan
LCMR	Lightweight Counter Mortar Radar
LDS	Leaflet Delivery System
LEP	Lightweight Environmental Protection
LMG	Lightweight Machine Gun

ACRONYMS

LOS	Line of Sight
LPD	Low Probability of Detection
LPI	Low Probability of Intercept
LPI/D	Low Probability of Intercept/Detection
LPI/LPD	Low Probability of Intercept/Low Probably of Detection
LRBS	Long Range Broadcast System
LRV	Light Reconnaissance Vehicle
LSV	Logistics Support Vehicle
LTAV	Lightweight Tactical All Terrain Vehicle
LTD	Laser Target Designator
LTDR	Laser Target Designator/Rangefinder
LTI	Lightweight Thermal Imager
LWC	Littoral Warfare Craft
LWCM	Lightweight Counter-Mortar
M4MOD	M4A1 SOF Carbine Accessory Kit
MAAWS	Multi-Purpose Anti-Armor/Anti-Personnel Weapons System
MANPAD	Man Portable Air Defense System
MATT	Multi-mission Advanced Tactical Terminal
MBITR	Multi-Band Inter/Intra Team Radio
MBLT	Machine Based Language Translator
MBMMR	Multi-Band/Multi-Mission Radio
MBSS	Maritime Ballistic Survival System
MCAR	MC-130 Air Refueling
MCADS	Maritime Craft Air Drop System
MCU	Multipoint Conferencing Unit
MDNA	Mini Day/Night Sight
MELB	Mission Enhancement Little Bird
MET	Meteorological
MICH	Modular Integrated Communications Helmet
MK V	Mark V
MMB	Miniature Multiband Beacon
MOA	
MONO-HUD	Monocular Head Up Display
MPARE	Mission Planning, Analysis, Rehearsal and Execution

ACRONYMS

MPC	Media Production Center
MPK	Mission Planning Kits
MRD	Mission Rehearsal Device
NAVSCIATTS	Naval Small Craft Instructor and Technical Training School
NBC	Nuclear, Biological, and Chemical
NBOE	Non-Gasoline Burning Outboard Engine
NDI	Non-Developmental Item
NET	New Equipment Training
NISH	National Institute of Severly Handicapped
NM	Nautical Miles
NOSC	Network Operations Systems Center
NRE	Non-Recurring Engineering
NSCV	Non Standard Commercial Vehicle
NSSS	National Systems Support to SOF
NSW	Naval Special Warfare
NVD	Night Vision Devices
NVEO	Night Vision Electro-Optic
OA/CW	Obstacle Avoidance/Cable Warning
OBESA	On-Board Enhanced Situational Awareness
OEF	Operation Enduring Freedom
OGA	Other Government Agencies
OIF	Operation Iraqi Freedom
OMB	Office of Management and Budget
OMMS	Organizational Maintenance Manual Sets
OPEVAL	Operational Evaluation
ORD	Operational Requirements Document
OT	Operational Test
OT&E	Operational Test and Evaluation
QOT&E	Qualification Test and Evaluation/Qualification Operational Test and Evaluation
P3I	Pre-Planned Product Improvement
PAI	Primary Aircraft Inventory
PAM	Penetration Augmented Munition
PARD	Passive Acoustic Reflection Device
PC	Personal Computer

ACRONYMS

PC	Patrol Coastal
PDR	Preliminary Design Review
PDS	Psychological Operations Distribution System
PDM	Program Decision Memorandum
PFPS	Portable Flight Planning System
PGCB	Precision Guided Canister Bomb
PGSE	Peculiar Ground Support Equipment
PLTD	Precision Laser Targeting Device
PM	Program Manager
PM-MCD	Project Manager for Mines, Countermeasures and Demolitions
POBS	Psychological Operations Broadcasting System
POPAS	PSYOP Planning and Analysis System
POMD	Psychological Operations Media Display
POPS	Psychological Operations Print System
PPHE	Pre-Fragmented Programmable High Explosive
PRK	Photo Refractive Keratectomy
PRTV	Production Representative Test Vehicle
PSR	Precision Sniper Rifle
PSYOP	Psychological Operations
PTLD	Precision Target Locator Designator
PTT	Part Task Trainer
RAA	Required Assets Available
RAMS	Remote Activated Munitions System
RF	Radio Frequency
RGB	Red, Green, Blue
RIB	Rigid Inflatable Boat
RIS	Radio Integration System
RMWS	Remote Miniature Weather System
ROAR	Rover Over the Horizon Augmented Reconnaissance
ROSES	Reduced Optical Signature Emissions System
RPUAS	Rucksack Portable Unmanned Aircraft System
RSTA	Reconnaissance Surveillance Target Acquisition
RW	Rotary Wing
RWR	Radar Warning Receivers

ACRONYMS

SAFC	Special Applications for Contingencies
SAGIS	SOF Air-Ground Interface Simulator
SAHRV	Semi-Autonomous Hydrographic Reconnaissance Vehicle
SATCOM	Satellite Communication
SBIR	Small Business Innovative Research
SBR	System Baseline Review
SBUD	Simulator Block Update
SCAR	SOF Combat Assault Rifle
SCI	Sensitive Compartmented Information
SDD	System Design and Development
SDS	Sniper Detection System
SDN-M	SOF Deployable Node-Medium
SDV	Sea, Air, Land (SEAL) Delivery Vehicle
SEAL	Sea, Air, Land
SEALION	Sea, Air, Land, Insertion Observation Neutralization
SIE	SOF Information Enterprise
SIGINT	Signals Intelligence
SIL	Systems Integration Lab
SIPE	Swimming Induced Pulmonary Edema
SIRCM	Suite of Infrared Countermeasures
SIRFC	Suite of Integrated Radar Frequency Countermeasures
SKOS	Sets, Kits and Outfits
SLAM	Selectable Lightweight Attack Munition
SLEP	Service Life Extension Program
SMAX	Special Operations Command Multipurpose Antenna, X-Band
SMG	SOF Machine Gun
SMRS	Special Mission Radio System
SO	Special Operations
SOC	Special Operations Craft
SOC	Special Operations Command
SOC-R	Special Operations Craft-Riverine
SOCRATES	Special Operations Command, Research, Analysis and Threat Evaluation System
SOEP	Special Operations Eye Protection
SOF	Special Operations Forces

ACRONYMS

SOFDK	SOF Demolition Kit
SOFIV	SOF Intelligence Vehicle
SOFLAM	SOF Laser Marker
SOFLRD	SOF Laser Range Finder and Designator
SOFPARS	SOF Planning and Rehearsal System
SOFTAPS	SOF Tactical Advanced Parachute System
SOFTACS	SOF Tactical Assured Connectivity System
SOIS	Special Operations Intelligence System
SOJICC	Special Operations Joint Interagency Collaboration Center
SOLL	Special Operations Low Level
SOMPE	Special Operations Mission Planning Environment
SOMROV	Special Operations Miniature Robotic Vehicle
SOMS-B	Special Operations Media Systems B
SOPMOD	SOF Peculiar Modification
SOPMODM-4	SOF Peculiar Modification-M4 Carbine
SOST	Special Operations Special Technology
SOTD	Special Operations Technology Development
SOTVS	Special Operations Tactical Video System
SOVAS HHI	Special Operations Visual Aumentation System Hand Held Imagers
SPEAR	SOF Personal Equipment Advanced Requirements
SPIKE	Shoulder Fired Smart Round
SPR	Special Purpose Rifle
SRC	Systems Readiness Center
SRC	Special Reconnaissance Capabilities
SRTC	Short Infrared Sensor
SSR	Sniper Support Rifle
SSGN	Nuclear Guided Missile Submarine
SSSAR	Solid State Synthetic Aperture Radar
S&T	Science & Technology
START	Special Threat Awareness receiver/Transmitter
STD	Swimmer Transport Device
SW	Short-Wave
SWALIS	Special Warfare Automated Logistic Information System
SWIR	Short-Wave Infrared Sensor

ACRONYMS

SWORDS	Special Weapons Observation and Remote Direct-Action System
SYDET	Sympathetic Detonator
TACLAN	Tactical Local Area Network
TAT	To-Accompany Troops
TCCC	Tactical Combat Casualty Care
TACTICOMP	Tactical Computer
TCV	Transit Case Variant
TDFD	Time Delay Firing Device
TDE	Technology Development Exploitation
TPE	Theater Provided Equipment
TPED	Tactical Processing, Exploitation, and Dissemination
TEI	Technology Exploitation Initiative
TRR	Test Readiness Review
TRS	Tactical Radio System
TTHM	Titanium Tilting Helmet Mount
TT&L	Tagging, Tracking & Locating
UARRSI	Universal Aerial Refueling Receptacle Slipaway
UAS	Unmanned Aerial System
UAV	Unmanned Aerial Vehicle
UBA	Underwater Breathing Apparatus
UHF	Ultra High Frequency
UHMS	Undersea and Hyperbaric Medicine Society
UK	United Kingdom
US	United States
UTC	Unit Type Code
UV	Unmanned Vehicles
UVT	Unmanned Vehicle Targeting
VBL	Visible Bright Lights
VESTA	Vibro-Electronic Signature Target Analysis
VHF	Very High Frequency
VSD	Variable Speed Drogue
VSAT	Very Small Aperture Terminal
VSWMCM	Very Shallow Water Mine Countermeasures
VTC	Video Teleconferencing

ACRONYMS

WIFI	Wireless Fidelity
WIRED	Wind Tunnel Integrated Real Time In the Cockpit/Real Time Out of the Cockpit Experiments and Demonstrations
WMD	Weapons of Mass Destruction
WSADS	Wind Supported Air Delivery System

PROCUREMENT PROGRAM

Appropriation: Procurement, Defense -Wide

FEBRUARY 2008

Millions of Dollars

	<u>Item Nomenclature</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
<u>P-1</u>	<u>AVIATION PROGRAMS</u>				
47	ROTARY WING UPGRADES AND SUSTAINMENT	103.552	72.996	51.950	65.781
48	MC-130H AIR REFUELING SYSTEM	1.516			
49	MH-47 SERVICE LIFE EXTENSION PROGRAM	100.272	95.240	63.667	38.905
50	MH-60 SOF MODERNIZATION PROGRAM	91.533	76.238	98.163	144.340
51	NON-STANDARD AVIATION		22.361	39.172	39.805
52	SOF TANKER RECAPITALIZATION		18.439	36.286	44.687
53	SOF U-28			7.659	3.655
54	MC-130H, COMBAT TALON II	107.687	38.043		
55	CV-22 SOF MOD	195.151	213.759	162.971	152.629
56	AC-130U GUNSHIP ACQUISITION	0.902			
57	C-130 MODIFICATIONS	101.268	118.744	47.018	21.386
58	AIRCRAFT SUPPORT	0.911	1.313	1.347	1.371
	<u>SHIPBUILDING</u>				
59	ADVANCED SEAL DELIVERY SYSTEM (ASDS)	12.578	10.549	5.760	5.911
60	MK8 MOD1 SEAL DELIVERY VEHICLE	2.463	8.692	7.061	1.487
	<u>AMMUNITION PROGRAMS</u>				
61	SOF ORDNANCE REPLENISHMENT	96.586	84.246	67.083	83.742
62	SOF ORDNANCE ACQUISITION	80.694	65.929	5.540	0.496

PROCUREMENT PROGRAM

Appropriation: Procurement, Defense -Wide

FEBRUARY 2008

Millions of Dollars

	<u>Item Nomenclature</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
<u>P-1</u>	<u>OTHER PROCUREMENT PROGRAMS</u>				
63	COMMUNICATIONS EQUIPMENT AND ELECTRONICS	150.824	175.877	67.220	57.496
64	SOF INTELLIGENCE SYSTEMS	49.099	116.796	54.122	72.081
65	SMALL ARMS AND WEAPONS	192.184	201.397	15.689	30.089
66	CLASSIFIED PROGRAM ²				
67	MARITIME EQUIPMENT MODIFICATIONS	2.798	2.932	1.265	1.966
68	SPECIAL APPLICATIONS FOR CONTINGENCIES	9.569	11.966	12.484	12.419
69	SOF COMBATANT CRAFT SYSTEMS	30.080	20.499	18.795	16.393
70	SPARES AND REPAIR PARTS	5.016	3.626	3.272	2.552
71	SPECIAL PROGRAM ²				
72	TACTICAL VEHICLES	269.942	26.998	3.702	
73	MISSION TRAINING AND PREPARATIONS SYSTEMS	22.201	69.541	34.151	20.424
74	COMBAT MISSION REQUIREMENTS	186.305	19.865	21.593	22.088
75	MILCON COLLATERAL EQUIPMENT	6.578	12.416	11.722	8.317
76	UNMANNED VEHICLES	189.634	52.609	27.194	17.553
77	CLASSIFIED PROGRAM GDIP ²				
78	SOF AUTOMATION SYSTEMS			55.248	42.879
79	SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES ¹			15.862	19.872

PROCUREMENT PROGRAM

Appropriation: Procurement, Defense -Wide

FEBRUARY 2008

Millions of Dollars

<u>Item Nomenclature</u>		<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
<u>P-1</u>	<u>OTHER PROCUREMENT PROGRAMS (Cont)</u>				
80	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE ¹			25.892	16.661
81	SOF SOLDIER PROTECTION & SURVIVAL SYSTEMS			15.455	41.980
82	SOF VISUAL AUGMENTATION, LASER, & SENSOR SYSTEM			30.201	32.136
83	SOF TACTICAL RADIO SYSTEMS			33.966	51.614
84	SOF MARITIME EQUIPMENT	2.644	6.926	13.450	2.822
85	DRUG INTERDICTION	3.659			
86	MISCELLANEOUS EQUIPMENT	18.861	17.525	15.331	9.125
87	SOF OPERATIONAL ENHANCEMENTS ¹	520.494	401.118	315.443	282.167
88	PSYOP EQUIPMENT	57.358	58.183	64.778	51.087
¹ - Details are classified and will be provided under separate cover.					
² - Funding levels and details are classified and will be provided under separate cover.					
TOTAL PROCUREMENT		2,627.004	2,034.749	1,458.743	1,424.377

EXHIBIT P-1R Procurement Program - Reserve Components

UNITED STATES SPECIAL OPERATIONS COMMAND

(\$ in Millions)

Appropriation: Procurement

Date: February 2008

Budget Activity: 2

P-1 LINE ITEM

FY 2007

FY 2008

FY 2009

PSYOP Equipment (CSOLO)

Reserve
National Guard 24.781

C-130 Modifications

ECUPG (CSOLO)

Reserve
National Guard 0.390 0.998

Small Arms and Weapons

MK13 300 WINMAG Sniper Rifle

Reserve
National Guard 0.605

MK47 Advanced Lightweight Grenade Launcher (ALGL)

Reserve
National Guard 1.008

Total Reserve
Total National Guard **25.386** **0.390** **2.006**

Notes:

FY07-10 funding for Reserve Component in the PSYOP line item was transferred during the QDR 2005.

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
ROTARY WING UPGRADES AND SUSTAINMENT

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	1,761.016	103.552	72.996	51.950	65.781	55.143	74.287	76.978

MISSION AND DESCRIPTION: Special Operations Forces (SOF) provides organic aviation support for worldwide contingency operations and low-intensity conflicts. The specialized aircraft for these missions must be capable of worldwide rapid deployment, operations, and undetected penetration of hostile areas. These aircraft must be capable of operating at extended ranges under adverse weather conditions to infiltrate, provide logistics for, reinforce, and extract SOF. The Rotary Wing Upgrades and Sustainment P-1 line item provides for ongoing survivability, reliability, maintainability, and operational upgrades as well as procurement appropriation sustainment costs for fielded rotary wing aircraft and subsystems. These include: Rotary Wing Avionics and Navigation Modifications, Rotary Wing Sensor Modifications, Active Rotary Wing Survivability System Modifications, Passive Rotary Wing Survivability System Modifications, MH-60 Modifications, MH-47 Modifications, Weapons Modifications, A/MH-6 Modifications and MH-53 Modifications. The associated RDT&E funds are in Program Elements 1160404BB and 1160482BB.

1. Rotary Wing Avionics and Navigation Modifications. This program funds the replacement of the current Mission Processor and Multi-Function Display with open systems architecture processors and displays for all Army Special Operations Aviation (ARSOA) aircraft. This program provides an open systems (Modular Avionics) software backbone that runs the Enhanced Situational Awareness (ESA) system. Modular Avionics integrates and procures a modular Intelligence Broadcast Receiver (IBR) and a modular replacement for obsolete Attitude Heading Reference System (AHRS) and an embedded Digital Map for all ARSOA aircraft. The program upgrades the current embedded Global Positioning System (GPS)/Inertial Navigation System (INS) with an all-in-view GPS card in accordance with Global Area Navigation System/Global Airspace Traffic Management requirements. The program integrates and qualifies an airborne multi-band radio compatible with a ground communications radio [Multiband Inter/Intra Team Radio (MBITR)] onto the ARSOA fleet of aircraft. The program funds upgraded survival radios to communicate with components during search and rescue operations [AN/ARS-6(V) 12 Personnel Locator System (PLS)]. The program integrates and qualifies the Secure Real Time Video (SRTV) that provides full motion video from ground or air assets to enable real time threat assessment and to maximize mission effectiveness and survivability. Program increased by FY 2005 and FY 2006 Congressional adds.

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
ROTARY WING UPGRADES AND SUSTAINMENT

2. Rotary Wing Sensor Modifications. The program qualifies and procures a "next generation" Forward Looking Infrared Radar (FLIR) (attack, light assault, heavy assault) for the entire Army Special Operations Aviation (ARSOA) fleet. The program procures a Low Probability of Intercept/Low Probability of Detection (LPI/LPD) radar altimeter and a color weather mode capability into the current Multi-Mode Radar (MMR).

FY2009 PROGRAM JUSTIFICATION: Procures and installs "next generation" FLIR for the ARSOA fleet.

3. Active Rotary Wing Survivability System Modifications. This program funds the procurement of a fully integrated, modular and adaptable suite of active aircraft survivability equipment on ARSOA aircraft in order to increase combat effectiveness and potential for mission accomplishment. The Suite of Integrated Radio Frequency Countermeasures (SIRFC) provides state-of-the-art radar warning receivers and technologically advanced radar-jamming capabilities for increased threat detection, enhanced situational awareness and defensive countermeasures. This program qualifies and procures the Reduced Optical Signature Emission Solution (ROSES) reducing aircraft illumination against advanced infrared-guided missiles. Low visibility of the aircraft lessens the exposure to enemy ground fire. Program increased by FY 2007 Supplemental and an FY 2007 Congressional add.

FY2009 PROGRAM JUSTIFICATION: Procures and installs the SIRFC system on the MH-47 Primary Aircraft Inventory (PAI). See the P-3a exhibit for details. Procures and installs interim solution for ROSES on the MH-47 PAI.

4. Passive Rotary Wing Survivability System Modifications. This program funds the procurement of passive aircraft survivability equipment for Army Special Operations Aviation (ARSOA). The Infrared (IR) Exhaust suppression system provides advanced IR suppressors for the MH-47. This system reduces the aircraft's signature, making them less susceptible to the threat of missile systems. Program increased by FY 2005 and FY

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APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
ROTARY WING UPGRADES AND SUSTAINMENT

2006 Congressional adds.

5. MH-60 Modifications. Modifications include MH-60 Altitude Hold, Army Engineering Change Proposal (ECP) modifications due to the unique configuration of SOF aircraft, SOF peculiar ECPs, and low-cost modifications. Low-cost modifications are minor modifications to SOF-unique equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission enhancements.

FY2009 PROGRAM JUSTIFICATION: Funds various low-cost modifications.

6. Rotary Wing Weapons Modification. Funds the qualification and procurement of Integrated Defensive Armed Penetrators (IDAP) and procures a modernized weapon system to the currently fielded M-134 Mini-Gun for the MH-60, MH-47 and A/MH-6 platforms. The IDAP will increase capability with a dual Mono-Heads Up Display (HUD) and a 1760 weapons system. The weapons modernization program includes replacement of the M-134 and battery to a lighter, more reliable, and more maintainable system with improved suppressive fire capability. Program increased by an FY 2007 Congressional add and FY 2007 Title IX funds.

7. MH-47 Modifications. This program funds modifications to Army Common ECPs, SOF peculiar ECPs, Safety of Flight Directives, and Block Upgrades to incorporate maturing technologies for the MH-47 aircraft, and low-cost modifications. Low-cost modifications are minor modifications to SOF-unique equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission enhancements.

FY2009 PROGRAM JUSTIFICATION: Funds various low-cost modifications.

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 PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
 ROTARY WING UPGRADES AND SUSTAINMENT

8. A/MH-6 Modifications. Funds upgrades and modifications to the A/MH-6 Mission Enhanced Little Bird (MELB), component miniaturizations, SOF peculiar Engineering Change Proposals (ECPs), and low-cost modifications. This program funds and integrates a replacement Lightweight Hellfire (LWHF) Launcher and control system and an infrared exhaust suppressor for A/MH-6M aircraft to provide a passive countermeasure capability compatible with the aircraft's higher performance engine. This program will modify and qualify an Army provided Armed Reconnaissance Helicopter (ARH) as a potential replacement platform for the A/MH-6M SOF helicopter fleet. Low-cost modifications are minor modifications to SOF-unique equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission enhancements.

FY2009 PROGRAM JUSTIFICATION: Funds various low-cost modifications and begins the LWHF modification. See the P-3a exhibit for LWHF details.

9. MH-53 Upgrades. Funds reliability, maintainability, and parts obsolescence upgrades. Program increased by FY 2004 Supplemental funding.

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APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2P-1 ITEM NOMENCLATURE
ROTARY WING UPGRADES AND SUSTAINMENT

MODIFICATION SUMMARY

<u>DESCRIPTION</u>	<u>Prior Years</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>
1. Mission Processor Upgrade	55.365	11.048				20.198		
2. Multi-Function Display	40.447	3.186	1.287					
3. Modular Avionics	129.876	3.983	9.730					
4. MH6/47/60 Mission Equipment - Secure Real Time Video						.056	5.962	6.860
5. Next Generation FLIR	197.026	13.053	12.175	1.124	2.451	4.128	26.140	22.182
6. MH-47-60 SIRFC	121.676	37.427	37.200	33.260	33.212			
7. MH6/47/60 Mission Equipment - Reduced Optical Signature Emissions Solution				3.767				3.516
8. MH-60 Altitude Hold	26.607	2.256						
9. MH-60 Low Cost Modifications	53.829		4.735	2.108	8.032	2.196	2.244	2.294
10. A/MH6/47/60 Mission Equipment - Aircraft Occupant Ballistic Protection					9.785	10.101	5.354	1.134
11. Weapons Modernization		13.894	4.472					
12. MH-47 Block Upgrades						8.850	29.738	29.738
13. MH-47 Low Cost Modifications	81.351		1.712	2.799	2.855	2.915	2.979	3.044
14. A/MH-6 Low Cost Modifications	5.240	4.417	1.685	1.757	1.792	1.830	1.870	1.911
15. A/MH-6 Mission Enhanced Little Bird	23.988	13.833						
16. A/MH-6 SOF Modification - Infrared Exhaust Suppressor					4.870	4.869		

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APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
ROTARY WING UPGRADES AND SUSTAINMENT

MODIFICATION SUMMARY

<u>DESCRIPTION</u>	<u>Prior Years</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>
17. A/MH-6 SOF Modification - Lightweight Hellfire Launcher				7.135	2.784			
18. A/MH-6 Potential Replacement								6.299
SUBTOTAL FOR MODS	735.405	103.097	72.996	51.950	65.781	55.143	74.287	76.978

DESCRIPTION/JUSTIFICATION: This program provides for the SIRFC capability. SIRFC is the next generation of Radio Frequency (RF) detection and countermeasures for Army Special Operations Aviation (ARSOA) MH-47 and MH-60 aircraft. It replaces current obsolete RF Aircraft Survivability Equipment (ASE) systems that provide inadequate ARSOA RF threat detection, awareness, and countermeasures capability. SIRFC passively detects and actively counters radar-guided missile systems for ARSOA aircraft. SIRFC is a critical component of ARSOA deep, clandestine penetration capabilities; the state-of-the-art Radar Warning Receiver (RWR) provides enhanced situational awareness, and the advanced radar-jamming components provide defensive capabilities required to defeat RF threats identified in the United States Special Operations Command (USSOCOM) Threat Environment Description. Jammers consist of both Line Replacable Unit LRU-2, High Power Remote Transmitters (HPRT), and LRU-3 Electronic Countermeasures. A-Kit installation costs are funded within the MH-47G SLEP and B-Kits are installed organically with no installation funds required. The MH-47 trainer aircraft (8) do not require B-kits. The MH-60 aircraft have a validated requirements document, but is currently unfunded.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The SIRFC Milestone C Acquisition Decision Memorandum was signed by the Milestone Decision Authority on 16 September 2005. The SIRFC Low-Rate Initial Production Contract was awarded in November 2005. Initial Operational Test & Evaluation (IOT&E) was completed September 2007, with full-rate production decision scheduled for March 2008.

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Yrs		FY06		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E (funded by the Army)																					0	0.0
PROC																					0	0.0
MH-47G A Kits *Note 1			1	0.4	17	8.6	9	4.5	4	2.0	9	4.5									40	20.0
MH-47G Radar Warning Receiver (RWR) B-kits (LRIP in FY05)	22	38.8			7	12.8	10	18.3	8	15.0	6	11.4									53	96.3
MH-47G Electronic Countermeasures B kits (LRU-3 Jammers) (LRIP in FY05)	11	9.2			4	3.8	12	10.5	12	10.7	14	12.6									53	46.8
NRE		58.3		8.8		4.7		0.4													0	72.2
Testing		2.0		2.7		0.5		2.0		1.9		1.0									0	10.1
MH-47G SIRFC Fielding Support *Note 2				1.5		7.0		1.5		3.7		1.9									0	15.6
MH-47G RWR Spares										1	1.8										1	1.8
MH-47G Jammer Spares																					0	0.0
Army (P-2 provided B kits)	2																				2	0.0
DERF (Non-add)	2	9.8																			0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
Install Cost	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Proc	37.0	118.1	1	13.4	28	37.4	31	37.2	24	33.3	30	33.2	0	0.0	0	0.0	0	0.0	0	0.0	149	262.8

Note: 1. A-Kits (21) were co-funded with MH-47 SLEP. Actual installation A-Kits costs are reflected for FY07

Note: 2. FY07 MH-47 SIRFC Fielding Support funds integration, testing, test equipment, initial depot lay-in/ Aviation Unit Maintenance (AVUM) sparing, training, and software.

MODELS OF SYSTEMS AFFECTED: A/MH-6M

TYPE MODIFICATION: Mission Capability

MODIFICATION TITLE: A/MH-6 Lightweight Hellfire Launcher

DESCRIPTION/JUSTIFICATION: This program modifies/adapts, qualifies, procures, and integrates existing electronic technologies similar to those being investigated for the Army's Armed Reconnaissance Helicopter and/or the unmanned Predator air vehicle and M299 LWHF system. Program replaces the obsolete and unsupportable SOF-unique electronics of the current A/MH-6M LWHF system, and resolves the maintainability and supportability issues associated with the aging and declining capability of the current A/MH-6M LWHF system. 51 A-kits are required to modify all 51 A/MH-6M aircraft and 8 B-kits are required to support the unit's Hellfire mission requirements. Without this program, the A/MH-6M will eventually lose its capability to support the USSOCOM directed Mission Essential Task List (METL) Hellfire mission.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Yrs		FY06		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		TOTAL			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
RDTE																					0	0.0		
PROC																						0	0.0	
First Article Integration										0.5												0	0.5	
Acceptance Testing										1.5												0	1.5	
Cockpit Software Mods										2.6												0	2.6	
A-Kit Hardware									51	1.8												51	1.8	
B-Kit Hardware										0.7												0	0.7	
Initial Sparing											0.2											0	0.2	
System Engineering Support											0.9											0	0.9	
Manual Updates											0.2											0	0.2	
Special Tools / Test Equip											0.2											0	0.2	
Training											0.1											0	0.1	
																						0	0.0	
																						0	0.0	
																						0	0.0	
																						0	0.0	
																						0	0.0	
Install Cost	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	51	1.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	51	1.2
Total Proc	0	0.0	0	0.0	0	0.0	0	0.0	51	7.1	0	2.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	51	9.9

Exhibit P-3a, Individual Modification (Continued)

MODELS OF SYSTEMS AFFECTED: A/MH-6M

MODIFICATION TITLE: A/MH-6 Lightweight Hellfire Launcher

INSTALLATION INFORMATION: Contractor Field Teams

METHOD OF IMPLEMENTATION: Installation at operational location

ADMINISTRATIVE LEADTIME: 3 months

PRODUCTION LEADTIME: 12 months

CONTRACT DATES:	Prior Year:	Current Year :	Budget Year 1: Oct 09	Budget Year 2:
DELIVERY DATES:	Prior Year:	Current Year:	Budget Year 1: Jan 10 - Mar 11	Budget Year 2:

(\$ in Millions)

	Prior Yrs		FY06		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		Total			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
PYS																								
FY06																						0	0.0	
FY07																						0	0.0	
FY08																						0	0.0	
FY09											51	1.2										51	1.2	
FY10																						0	0.0	
FY11																						0	0.0	
FY12																						0	0.0	
FY13																						0	0.0	
To Complete																						0	0.0	
	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	51	1.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	51	1.2

Installation Schedule

	PY	FY08				FY09				FY10				FY11				FY12			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In										13	13	13	12								
Out											13	13	13	12							

	FY13				TC	Total
	1	2	3	4		
In						51
Out						51

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APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
MC-130H AIR REFUELING SYSTEM

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	24.892	1.516						

MISSION AND DESCRIPTION: The MC-130H Air Refueling System (MCARS) line item funded the production and installation of a state of the art refueling system on the Combat Talon II aircraft. The MCARS with its variable drag drogue can refuel all SOF rotary wing aircraft including the CV-22 without landing to reconfigure. The key feature of this system is the MK-32B-902-E refueling pod, which is electronically controlled and operated. Production was completed in FY 2007. The associated RDT&E funds are in Program Element 1160403BB. P

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
MH-47 SERVICE LIFE EXTENSION PROGRAM

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	235.838	100.272	95.240	63.667	38.905	7.668		

MISSION AND DESCRIPTION: Army Special Operations Aviation (ARSOA) provides organic aviation support to Special Operations Forces (SOF) for worldwide contingency operations and low-intensity conflicts. ARSOA is authorized 61 highly specialized MH-47 aircraft capable of worldwide rapid deployment operations and penetration of hostile areas for these missions. The aircraft are capable of operating at extended ranges under adverse weather conditions and harsh environments deep in enemy territory. They are used to infiltrate, provide logistics for, reinforce, and extract SOF. Currently, the MH-47 is the SOF platform of choice in executing the Global War on Terror. The MH-47 Service Life Extension Program (SLEP) procurement line item provides for airframe improvements by reducing vibration, changing the design of high crack propagation areas, reducing susceptibility to corrosion, implementing transportability improvements, and addressing equipment obsolescence issues. The MH-47 airframe has been in service since the 1960's and the SLEP is designed to extend the average life of the aircraft.

The SLEP funds the non-recurring and recurring engineering, manufacturing, and parts and materials required, as well as Integrated Logistics Support to include spares, publications, and supplies support. This program will provide ARSOA with a single heavy assault airframe type, the MH-47G. Program increased by FY 2006, FY 2007, and FY 2008 supplemental funding. Prior year RDT&E was in Program Element 1160404BB.

FY2009 PROGRAM JUSTIFICATION: Procures SOF peculiar MH-47 conversion kit parts and installations for the MH-47 SLEP. See the P-3a exhibit for details.

FY 2007 funding total included \$22.000 million received in supplemental.

FY 2008 funding total includes \$34.400 million received in Division L of the Consolidated Appropriations Act, 2008 (P.L. 110-161).

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APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
MH-47 SERVICE LIFE EXTENSION PROGRAM

MODIFICATION SUMMARY

<u>DESCRIPTION</u>	<u>Prior Years</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>
1. MH-47 Service Life Extension Program	235.838	100.272	95.240	63.667	38.905	7.668		

SUBTOTAL FOR MODS

235.838 100.272 95.240 63.667 38.905 7.668

MODELS OF SYSTEMS AFFECTED: MH-47

TYPE MODIFICATION: SLEP

MODIFICATION TITLE: MH-47 Service Life Extension Program (SLEP)

DESCRIPTION/JUSTIFICATION: This program provides the MH-47 fleet a service life extension executed through spiral development with Block Upgrades (BGAD 2.0 - 2.2). The Original Equipment Manufacturer (OEM) provides a rebuilt base airframe, restarts the airframe life, and standardizes the MH-47 fleet to one configuration. Thirty-five U.S. Army CH-47s were remanufactured to the MH-47G baseline configuration. Nine MH-47D and eighteen MH-47E's (includes one MH-47G training loss replacement) are scheduled for remanufacture and delivery as baseline MH-47Gs from the OEM. Subsequent block upgrade modifications beyond the OEM baseline are accomplished at the Special Operations Forces Support Activity (SOFSA), Blue Grass Army Depot. Without a service life extension program, operational availability of the Army Special Operations Aviation (ARSOA) MH-47 fleet will decrease the prosecution of the War on Terror at multiple locations. Additionally, the operational support costs for the existing fleet will increase, operational readiness rates will decline beyond acceptable limits, and airframes may not remain viable until a replacement aircraft is developed and fielded. To upgrade to the SOA MH-47G configuration, the inducted aircraft (CH-47D, MH-47D, MH-47E) require significant modifications of various combinations of the following major ARSOA airframe items: Long Range Fuel Tanks, Multimode Radar, Aerial Refueling Boom, Extended Nose, ARSOA-unique communication/navigation equipment, aircraft survivability equipment, and weapons systems.

System Engineering/Non-Recurring Engineering (NRE): Includes funding for non-recurring engineering and SOF recurring costs for the incorporation of Army-common system on the ARSOA aircraft.

Integrated Logistics Support: This funding supports publications for a new series of aircraft (MH-47G), updates for multiple software releases to support the mandatory transition to Interactive Electronic Technical Manuals (IETM), and training costs. Boeing production and SOFSA kits include installation costs.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Lot 1 Contract Award - Dec 02, Lot 2 Contract Award - Dec 03, DD250 Lot 1 ACFT 1 - Oct 04,

Lot 3 Contract Award - Jan 05, Lot 4 Contract Award - Dec 05, Lot 5 Contract Award - Mar and Jun 07, Lot 6 Award - Jan 08.

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Yrs		FY06		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E		14.1																			0	14.1
PROC																					0	0.0
CH-47D Remanufactured Equipment		78.9																			0	78.9
MH-47D Remanufactured Equipment		17.4		1.8																	0	19.2
MH-47E Remanufactured Equipment				4.7		5.5		5.5													0	15.7
																					0	0.0
ECP/NRE		83.9		14.2				0.7		1.5		3.7		7.7							0	111.7
Systems Engineering								2.5		1.7											0	4.2
CH-47D Conversion Kits *Note 1	31	98.6	1	6.6	1	6.7															33	111.9
MH-47D Conversion Kit *Note 2	4	12.8	5	12.8																	9	25.6
MH-47E Conversion Kit					5	13.3	6	15.6	6	15.0											17	43.9
																					0	0.0
Integrated Logistics Support																					0	0.0
Publications (IETMs)		17.3		6.4		6.9		4.9		4.8		4.8									0	45.1
Training				1.7		0.2															0	1.9
																					0	0.0
MH-47E Demod ECP (Qty = 6)												30.4									0	30.4
																					0	0.0
Production Cost (Quantities Non-Add) *Note 3	37	291.4	6	38.0	6	38.9	6	31.6	6	40.7											61	440.6
MH-47G Replacement Aircraft (Quantities Non-Add) *Note 4					1	28.8	2	34.4													3	63.2
																					0	0.0
Other Prior Year Items	2	5.6		3.0																	2	8.6
																					0	0.0
Install Cost	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Proc	37	605.9	6	89.2	7	100.3	8	95.2	6	63.7	0	38.9	0	7.7	0	0.0	0	0.0	0	0.0	61	1000.9

*Note 1 - FY06 and FY07 CH-47D Conversion Kits each include \$4.1 million of Title IX funding for battlefield loss conversion of a CH-47D to a MH Configuration.

*Note 2 - FY06 MH-47D Conversion Kits includes an increase of \$2.7 for spare parts price escalation.

*Note 3 - Original SLEP performed by Boeing; the quantities of aircraft listed do not add to the bottom lines quantities that represent the number of SOF modification kits purchased for the baseline aircraft.

*Note 4 - Funding from FY07 and FY08 Supplemental for MH-47G Replacement Aircraft

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
MH-60 SOF MODERNIZATION PROGRAM

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	100.350	91.533	76.238	98.163	144.340	182.280	195.976	88.776

MISSION AND DESCRIPTION: Army Special Operations Aviation (ARSOA) provides organic aviation support to Special Operations Forces (SOF) for worldwide contingency operations and low-intensity conflicts. ARSOA utilizes 72 highly specialized MH-60 aircraft capable of worldwide rapid deployment operations and penetration of hostile areas for these missions. The aircraft are capable of operating at extended ranges under adverse weather conditions and harsh environments deep in enemy territory. They are used to infiltrate, provide logistics for, reinforce, and extract SOF. The MH-60 SOF Modernization Program procurement line item provides funding for SOF peculiar engineering and modifications to convert the U.S. Army common UH-60M into the SOF configured MH-60M. The MH-60M program will provide ARSOA with a single model, zero time fleet of aircraft prepared to support SOF into the foreseeable future. The Alternate Engine Program (AEP) and installation of SOF Mission Equipment Packages are part of the MH-60 program. No associated RDT&E funds.

MH-60 SOF Modernization Program. This program funds the procurement and installation of all SOF peculiar items associated with the MH-60 aircraft. This program also funds the Non-recurring Engineering (NRE) to convert a conventional U.S. Army UH-60M into the SOF unique MH-60M configuration, as well as the NRE effort for the incorporation and procurement of the AEP.

FY2009 PROGRAM JUSTIFICATION: Procures SOF peculiar MH-60 conversion kit materials, installations and associated integrated logistics support for the MH-60 aircraft. Procures contractor furnished materials. See P3-A exhibit for details.

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APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
MH-60 SOF MODERNIZATION PROGRAM

MODIFICATION SUMMARY

<u>DESCRIPTION</u>	<u>Prior Years</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>
1. MH-60 SOF Modernization Program	100.350	91.533	76.238	98.163	144.340	182.280	195.976	88.776
SUBTOTAL FOR MODS	100.350	91.533	76.238	98.163	144.340	182.280	195.976	88.776

MODELS OF SYSTEMS AFFECTED: MH-60

TYPE MODIFICATION: Added Capability

MODIFICATION TITLE: MH-60 SOF Modernization Program

DESCRIPTION/JUSTIFICATION: This program modifies one prototype UH-60M and 72 US Army production UH-60M "Baseline" aircraft into a common MH-60M configuration. The MH-60M configuration will include improvements over the existing MH-60 fleet including Dual Digital Automatic Flight Controls, General Electric YT706-GE-700/SOF engines, wide chord main rotor blades, Common Avionics Architecture System, Common Missile Warning System with Improved Counter Measures Dispenser, and improved aircraft survivability equipment. The aircraft will be certified to 24,500 lbs and this program will result in a common Army Special Operations Aviation MH-60 platform, providing savings in operations and sustainment costs. The existing MH-60K/L is not capable of providing the performance necessary to support Special Operations Force missions in high altitude, high temperature, high gross weight-operations. The wide chord blades and higher horsepower engines on the MH-60M provide the critically needed performance for high, hot, heavy missions commonly required to fight the War on Terrorism. The MH-60M prototype is developed from the Army's first UH-60M prototype and will be used for engine integration testing to exercise the full rate engine production decision in FY07.

Delivery of the first two UH-60M "Baseline" aircraft occurs in FY07. Modification of MH-60M aircraft is based on the Army's delivery of UH-60M in the "Baseline" configuration to the US Army Special Operations Command (USASOC) as approved in the basis of issue plan.

Modifications begin fourth quarter FY07.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Program Initiation (Milestone B) 2nd Qtr FY05, Production Decision (Milestone C) 4Q FY07

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Yrs		FY06		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDTE		5.9																			0	5.9
PROC																					0	0.0
																					0	0.0
Production Support		4.4		0.2		0.7		0.9		1.5		1.5		1.5		1.5		1.5			0	13.7
Systems Engineering		3.4		4.1		5.9		9.3		8.5		7.2		5.9		4.8					0	49.1
Systems Integration		74.2		7.3		9.0		14.5		7.0		3.3		1.9							0	117.2
Integrated Logistical Support		11.6		6.3		5.0		5.6		7.5		11.7		16.1		14.3		8.9			0	87.0
Government Furnished Equipment (GFE)		8.8		8.0		12.2		12.0		22.0		20.6		21.2		45.3					0	150.1
GFE - Engines	4.0	10.3			35	30.0			3	2.7	28	25.9	32	30.5	32	31.5	12	12.2			146	143.1
GFE - Engine Spares	2.0	5.2			11	9.4			1	0.9	8	7.3	10	9.4	9	8.8	3	3.0			44	44.0
Manufacturing and Kitting						11.0		6.6		12.0		14.3		16.0		12.0					0	71.9
Engineering Changes		3.5						2.5		3.3		3.3		4.3		4.2		4.1			0	25.2
Aircraft De-Mods														9.9		8.0		9.9			0	27.8
																					0	0.0
																					0	0.0
Install Cost	0	0	0	0.0	2	8.3	6	24.8	8	32.8	12	49.2	16	65.6	16	65.6	12	49.2	0	0.0	72	295.5
Total Proc	6.0	121.4	0	25.9	46	91.5	0	76.2	4	98.2	36	144.3	42	182.3	41	196.0	15	88.8	0	0.0	190	1,024.6

* Note: Prior year includes \$46.9M that was in the Rotary Wing Upgrades and Sustainment P-1 line item prior to FY 2006.

MODELS OF SYSTEMS AFFECTED: MH-60

INSTALLATION INFORMATION: Install schedule of modification from UH-60M to MH-60M. "In" is defined as manufacturing/work in progress; "Out" is defined as delivered to SOAR(A).

METHOD OF IMPLEMENTATION: Contractor and BGAD Mod Line

ADMINISTRATIVE LEADTIME:

PRODUCTION LEADTIME: 12 Months

CONTRACT DATES:	Prior Year: N/A	Current Year: N/A	Budget Year 1: Various	Budget Year 2: Various
DELIVERY DATES:	Prior Year: N/A	Current Year: N/A	Budget Year 1: Various	Budget Year 2: Various

(\$ in Millions)

	Prior Yrs		FY06		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		TOTAL			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
PYS																						0	0.0	
FY06																							0	0.0
FY07					2	8.3																	2	8.3
FY08							6	24.8															6	24.8
FY09									8	32.8													8	32.8
FY10											12	49.2											12	49.2
FY11													16	65.6									16	65.6
FY12															16	65.6							16	65.6
FY13																	12	49.2						
To Complete																							0	0.0
Total	0	0.0	0	0.0	2	8.3	6	24.8	8	32.8	12	49.2	16	65.6	16	65.6	12	49.2	0	0.0	72	295.5		

Installation Schedule

	PY	FY08				FY09				FY10				FY11				FY12				FY13			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In	2	1	2	1	2	2	2	2	2	3	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4
Out				2	1	2	2	2	2	2	2	2	3	2	3	4	3	5	4	4	4	4	4	4	4

					TC	Total
	1	2	3	4		
In						72
Out					9	72

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
NON-STANDARD AVIATION

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY			4	6	6	4		
COST (In Millions \$)			22.361	39.172	39.805	32.562		

MISSION AND DESCRIPTION: Funds the procurement, sustainment, and logistical support of Non-Standard Aviation (NSAV) assets required to support Theater Special Operations Command mobility requirements world-wide. Program includes short takeoff and landing light and medium category mobility intra-theater cargo aircraft. Dedicated Special Operations NSAV assets are required to provide the flexible, rapid, short suspense operational movement of small special operations teams needed in support of Global War on Terrorism mission requirements. NSAV assets will also provide increased SOF flexibility and capability in supporting austere and remote locations that are not serviced by reliable and safe commercial aviation service. No associated RDT&E funds.

FY 2009 PROGRAM JUSTIFICATION: Funds MFP-11 costs associated with the procurement of six NSAV aircraft and associated initial spares in FY 2009.

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2008		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SOF TANKER RECAPITALIZATION					
	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)			18.439	36.286	44.687	54.439	95.439	78.792
<p>MISSION AND DESCRIPTION: The Special Operations Forces (SOF) Tanker line funds the recapitalization of aging MC-130E/P airframes to perform clandestine or low visibility, single- or multi-ship low-level missions intruding politically-sensitive or hostile territory to provide air refueling for special operations helicopters and CV22 aircraft. Secondary missions include airdrop of leaflets, small special operations teams, resupply bundles and combat rubber raiding craft. Additional capabilities include low-light navigation and in-flight refueling as a receiver. The Air Force will procure and field basic aircraft, common support equipment, and trainers for USSOCOM. USSOCOM funds the procurement of SOF-peculiar systems such as MC-unique publications, more robust generators, defensive systems, situational awareness systems, navigation systems, crew provisions, and aerial refueling system modifications. The associated RDT&E funds are in the Program Element 1160429BB.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Continues non-recurring engineering and integration. Initiates production-line SOF-peculiar upgrades.</p>								

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
SOF U-28

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)				7.659	3.655	.592	1.195	1.278

A new P-1 Line Item was established beginning in FY 2009 for Special Operations Forces (SOF) U-28 aircraft modifications. The aircraft were purchased with FY 2005 and FY 2007 Supplemental funds in the Unmanned Vehicle P-1.

MISSION AND DESCRIPTION: The U-28 line funds modifications to the SOF U-28 aircraft to meet evolving mission requirements. There are no associated RDT&E funds.

FY 2009 PROGRAM JUSTIFICATION: Retrofits six operational U-28s and one training aircraft with a second sensor, bringing it to the full Block 20 configuration.

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
SOF U-28

MODIFICATION SUMMARY

<u>DESCRIPTION</u>	<u>Prior Years</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>
1. U28 Block 20 Retrofit				7.659	3.655	.592	1.195	1.278
SUBTOTAL FOR MODS				7.659	3.655	.592	1.195	1.278

Exhibit P-3a, Individual Modification (Continued)

MODELS OF SYSTEMS AFFECTED: U-28

MODIFICATION TITLE: U-28A Block 20 Retrofit & Low Cost Mods

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: Contractor and Depot Installation

ADMINISTRATIVE LEADTIME: 1 months

PRODUCTION LEADTIME: Initially 6 months

CONTRACT DATES:	Prior Year: N/A	Current Year: Dec 07	Budget Year 1: Nov 08	Budget Year 2: Nov 09
DELIVERY DATES:	Prior Year: N/A	Current Year: Dec 08	Budget Year 1: May 09	Budget Year 2: May 10

(\$ in Millions)

	Prior Yrs		FY06		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		TOTAL				
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$			
PYS																						0	0.0		
FY06																							0	0.0	
FY07																							0	0.0	
FY08																							0	0.0	
FY09									7	2.7													7	2.7	
FY10																							0	0.0	
FY11																							0	0.0	
FY12																							0	0.0	
FY13																							0	0.0	
To Complete																							0	0.0	
Total		0	0.0	0	0.0	0	0.0	0	0.0	7	2.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	2.7

Installation Schedule

	PY's	FY08				FY09				FY10				FY11				FY12				FY13			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In						2	3	2																	
Out						1	3	3																	

	TC	Total
In		7
Out		7

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2008		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE MC-130H, COMBAT TALON II					
	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	1,903.330	107.687	38.043				2.974	2.974
<p>MISSION AND DESCRIPTION: The Combat Talon II line item funds the production and sustainment of a Special Operations Forces (SOF)-unique avionics suite that has been integrated into a C-130H airframe. The MC-130H Combat Talon II mission is to conduct night, adverse weather, low-level, long-range operations in hostile or denied airspace to infiltrate, re-supply, refuel, or exfiltrate SOF and equipment. The associated RDT&E funds were in Program Element 1160404BB. The P-1 line is comprised of the following programs:</p> <ol style="list-style-type: none"> 1. MC-130H Sustainment. Funded ongoing efforts associated with providing post production support and resolving parts obsolescence. Beginning in FY2008, MC-130H Sustainment funding was merged into C-130 Low-Cost Modifications under the C-130 Modifications P-1 line item. 2. MC-130H Plus Twelve. Program funds the conversion of seven C-130H2 and five C-130H2 Combat Loss Replacement (CLR) aircraft into MC-130H Combat Talon II configuration. This program was formerly known as the Plus Ten program, re-designated the Plus Twelve program with the addition of two CLR aircraft in FY 2005. In FY2006, this program was restructured into a spiral approach following the delay in the C-130 Avionics Modernization Program/Common Avionics Architecture for Penetration. The initial spiral delivers a tanker capability designated as MC-130W Combat Spear. Seven C-130H2 aircraft conversions in addition to the five CLR aircraft complete the initial MC-130W spiral. The final spiral to convert MC-130Ws into MC-130H Combat Talon II penetrating aircraft will occur after the USAF addresses MC-130H/W avionics modernization issues. Non-recurring engineering for final spiral conversion is projected to begin in FY 2012. 								

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
CV-22 SOF MOD

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY	9	3	5	6	5	5	5	5
COST (In Millions \$)	360.453	195.151	213.759	162.971	152.629	151.910	154.251	175.721

MISSION AND DESCRIPTION: The CV-22 Special Operations Forces (SOF) Modification line item funds the SOF variant of the V-22 vertical lift, multi-mission aircraft. The CV-22 will provide long range, high speed infiltration, exfiltration, and resupply to Special Forces teams in hostile, denied, and politically sensitive areas. The Navy is the lead service for the joint V-22 program and is responsible for managing and funding the development of the MV-22, as well as the Block 0 portion of the CV-22. USSOCOM is responsible for funding the development of the SOF-peculiar portions of the Block 10, 20, and subsequent increments of the CV-22. The Air Force will procure and field 50 CV-22 aircraft and support equipment for USSOCOM, conduct Initial Operational Test and Evaluation, and provide Type I training. USSOCOM funds the procurement of SOF peculiar systems, e.g., terrain following radar, electronic and infrared warfare suite, etc. The Air Force funds 85% of the procurement cost for CV-22 training systems; USSOCOM funds 15%. The Air Force and Navy will utilize joint training facilities at Marine Corps Air Station in New River, NC to conduct all maintenance training and initial V-22 aircrew qualification training. CV-22 SOF-peculiar aircrew mission training will be conducted at the 71st Special Operations Squadron at Kirtland AFB, NM. Follow-on unit training will be accomplished at each operational location. USSOCOM funds SOF-peculiar modifications to fielded aircraft. The first major modification will upgrade the initial aircraft to full Block 10 capability. Minor modifications to correct deficiencies, upgrade equipment, and address obsolescence issues include but are not limited to RF countermeasures, situational awareness sensors, terrain following/terrain avoidance radar, Satellite Communications, and the flight director. Program increased by FY 2007 Supplemental Funds. The associated RDT&E funds are in Program Element 1160421BB.

FY 2009 PROGRAM JUSTIFICATION: Funds MFP-11 costs associated with the production of six CV-22 aircraft in FY 2009 as well as the next increment of the USSOCOM share of long-lead parts and materiel in support of the Joint V-22 multi-year procurement program. Also funds peculiar mission kits, peculiar training equipment, peculiar support equipment, and initial spares, as well as program office, engineering and logistics support associated with the production program. Funds minor modifications to address fielded deficiencies obsolescence, and reliability and maintainability issues. Continues funding of required retrofits to bring delivered CV-22 aircraft up to the full Block 10 production configuration.

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
CV-22 SOF MOD

FY 2007 funding total included \$47.048 million received in supplemental.

FY 2008 funding totals do not include \$173.800 million in pending request for current FY 2008 supplemental requirements.

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
CV-22 SOF MOD

MODIFICATION SUMMARY

<u>DESCRIPTION</u>	<u>Prior Years</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>
1. CV-22 Aircraft Block 10			5.903	11.621	13.962	15.266	2.937	1.330
2. CV-22 Aircraft Low Cost Modifications			.412	.418	.496	.496	.496	.496
3. CV-22 Aircraft Block 20								4.462
SUBTOTAL FOR MODS			6.315	12.039	14.458	15.762	3.433	6.288

MODELS OF SYSTEMS AFFECTED: CV-22

TYPE MODIFICATION: Mission Capability

MODIFICATION TITLE: CV-22 Block 10 Retrofit

DESCRIPTION/JUSTIFICATION: The Block 10 retrofit funds the upgrade of the two Production Representative Test Vehicle (PRTV) aircraft built in FY02 and additional aircraft procured in FY04-07 to a full Block 10 capability. Due to development timelines, certain capabilities were not incorporated into the original production aircraft lot configuration. These capabilities include, but are not limited to Silent Shield, Lower Blade Antenna, Low Probability of Intercept Altimeter (LPIA) through 1553, flight engineer seat improvements, anti-ice capabilities, Suite of Integrated Radio Frequency Countermeasures system upgrades, Electronic Warfare display improvements, and upgraded software for Improved Navigation.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: BLOCK 10-- SDD Contract Award: 4th Qtr FY03, CDR: 2nd Qtr FY04, IOT&E: 1st Qtr FY08, IOC: 2nd Qtr FY09.

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Yrs		FY06		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																					0	0.0
PROC																					0	0.0
																					0	0.0
Non Recurring Engineering							4.9														0	4.9
Installation Kits (Gp A)									5	10.8	3	9.5	3	9.8							11	30.1
																					0	0.0
Training Equipment							0.6		0.4		1.0		1.9		1.2		1.1				0	6.2
Support Equipment							0.2		0.2		1.7		1.4								0	3.5
																					0	0.0
Other Support							0.2		0.2		0.2		0.2		0.2		0.2				0	1.2
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
Install Cost	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	1.6	4	2.0	2	1.5	0	0.0	0	0.0	11	5.1
Total Proc	0	0.0	0	0.0	0	0.0	0	5.9	5	11.6	3	14.0	3	15.3	0	2.9	0	1.3	0	0.0	11	51.0

Exhibit P-3a, Individual Modification (Continued)

MODELS OF SYSTEMS AFFECTED: CV-22

MODIFICATION TITLE: Block 10

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: Contractor and Depot Installation

ADMINISTRATIVE LEADTIME: 6 months

PRODUCTION LEADTIME: Initially 12 months

CONTRACT DATES: Prior Year: N/A Current Year: Dec 07 Budget Year 1: Dec 08

DELIVERY DATES: Prior Year: N/A Current Year: Dec 08 Budget Year 1: Dec 09

(\$ in Millions)

	Prior Yrs		FY06		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PYS																					0	0.0	
FY06																						0	0.0
FY07																						0	0.0
FY08																						0	0.0
FY09											5	1.6										5	1.6
FY10													3	1.5								3	1.5
FY11													1	0.5	2	1.5						3	2.0
FY12																						0	0.0
FY13																						0	0.0
To Complete																						0	0.0
Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	1.6	4	2.0	2	1.5	0	0.0	0	0.0	11	5.1	

Installation Schedule

	PY's	FY08				FY09				FY10				FY11				FY12				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
In											2	2	1		2		2			1		1
Out												2	2	1		2		2			1	

	FY13				TC	Total
	1	2	3	4		
In						11
Out	1					11

Exhibit P-10, Advance Procurement Requirements Analysis (Page 1 - Funding)										Date: FEBRUARY 2008		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number SOCOM Procurement (0300,4CCW)										P-1 Line Item Nomenclature CV-22 SOF Modifications		
Weapon System CV-22					First system (BY1) Award and Completion Date May 03/Feb 06					Interval between Systems 1 Month		
(\$ in Millions)												
	PLT	When Required	PYS	FY07	FY08	FY09	FY10	FY11	FY12	FY13	To Complete	Total
End Item Qty			9	3	5	6	5	5	5	5	7	50
			(*2-AF RDT&E)									
Airframe	24	12	17.004	66.592	7.960	4.458	4.399	4.343	18.933	4.292	1.061	129.042
Total AP			17.004	66.592	7.960	4.458	4.399	4.343	18.933	4.292	1.061	129.042
Description: FY 2009 funding is required to procure the next increment of the USSOCOM share of long lead time materiel in support of the CV-22. The long lead parts and materiels are necessary to support the joint V-22 multi-year procurement program from FY 2008 - 2012.												

Exhibit P-10, Advance Procurement Requirements Analysis (Page 2 - Budget Justification)						Date: FEBRUARY 2008			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number SOCOM Procurement (0300, 4CCW)			Weapons System CV-22			P-1 Line Item Nomenclature CV-22 SOF Modifications			
(\$ in Millions)									
	PLT	Quantity Per Assembly					Quantity FY09	FY09 Contract Forecast Date	FY09 Total Cost Request
End Item									
Airframe	24	1				5	Jan-09	4.458	
Total AP									4.458
Description:									
Advance procurement required to procure long lead and economic order quantity (EOQ) components in support of the joint V-22 multi-year procurement program.									

Exhibit P-21, Production Schedule						DATE: FEBRUARY 2008																									
Appropriation (Treasury) Code/CC/BA/BSA/Item Control - 0300/BA2/1000CV2200			Weapon System: CV-22			P-1 Line Item Nomenclature CV-22 SOF MOD																									
PRODUCTION RATE						PROCUREMENT LEAD TIMES																									
Item	Manufacturer's Name and Location					MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																	
CV-22 (Osprey)	Bell-Boeing, Paxutent River, MD					11	32	44		6	36	24	30	Each																	
FISCAL YEAR 04						FISCAL YEAR 05																									
CALENDAR YEAR 04						CALENDAR YEAR 05																									
ITEM/MANUFACTURER/ PROCUREMENT YEAR	F Y	S V C	Q T Y	DELIVERIES PRIOR TO 1 OCT 2003	BALANCE DUE AS OF 1 OCT 2003	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
CV-22, Bell-Boeing, FY02	02	AF	2	0	2																								1	1	
CV-22, Bell-Boeing, FY04	04	AF	2	0	2								A																	2	
CV-22, Bell-Boeing, FY05	05	AF	3	0	3																	A								3	
CV-22, Bell-Boeing, FY06	06	AF	2	0	2																									2	
CV-22, Bell-Boeing, FY07	07	AF	2	0	2																									2	
CV-22, Bell-Boeing, FY07 - GWOT Supplement	07	AF	1	0	1																									1	
CV-22, Bell-Boeing, FY08	08	AF	5	0	5																									5	
CV-22, Bell-Boeing, FY09	09	AF	6	0	6																									6	
CV-22, Bell-Boeing, FY10	10	AF	5	0	5																									5	
CV-22, Bell-Boeing, FY11	11	AF	5	0	5																									5	
CV-22, Bell-Boeing, FY12	12	AF	5	0	5																									5	
CV-22, Bell-Boeing, FY13	13	AF	5	0	5																									5	
CV-22, Bell-Boeing, To Complete		AF	7	0	7																									7	
		Total:	50	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	49
FISCAL YEAR 06						FISCAL YEAR 07																									
CALENDAR YEAR 06						CALENDAR YEAR 07																									
ITEM/MANUFACTURER/ PROCUREMENT YEAR	F Y	S V C	Q T Y	DELIVERIES PRIOR TO 1 OCT 2005	BALANCE DUE AS OF 1 OCT 2005	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
CV-22, Bell-Boeing, FY02	02	AF	2	1	1	1																								0	
CV-22, Bell-Boeing, FY04	04	AF	2	0	2						1		1																	0	
CV-22, Bell-Boeing, FY05	05	AF	3	0	3																1		1					1		0	
CV-22, Bell-Boeing, FY06	06	AF	2	0	2					A																				2	
CV-22, Bell-Boeing, FY07	07	AF	2	0	2																									2	
CV-22, Bell-Boeing, FY07 - GWOT Supplement	07	AF	1	0	1																					A				1	
CV-22, Bell-Boeing, FY08	08	AF	5	0	5																									5	
CV-22, Bell-Boeing, FY09	09	AF	6	0	6																									6	
CV-22, Bell-Boeing, FY10	10	AF	5	0	5																									5	
CV-22, Bell-Boeing, FY11	11	AF	5	0	5																									5	
CV-22, Bell-Boeing, FY12	12	AF	5	0	5																									5	
CV-22, Bell-Boeing, FY13	13	AF	5	0	5																									5	
CV-22, Bell-Boeing, To Complete		AF	7	0	7																									7	
		Total:	50	1	49	1	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	43

Exhibit P-21, Production Schedule					DATE: FEBRUARY 2008																												
Appropriation (Treasury) Code/CC/BA/BSA/Item Control - 0300/BA2/1000CV2200					Weapon System: CV-22					P-1 Line Item Nomenclature CV-22 SOF MOD																							
					PRODUCTION RATE										PROCUREMENT LEAD TIMES																		
Item	Manufacturer's Name and Location				MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																				
CV-22 (Osprey)	Bell-Boeing, Paxutent River, MD				11	32	44		6	36	24	30	Each																				
					FISCAL YEAR 08										FISCAL YEAR 09																		
					CALENDAR YEAR 08										CALENDAR YEAR 09																		
ITEM/MANUFACTURER/ PROCUREMENT YEAR	F Y	S V C	Q T Y	DELIVERIES PRIOR TO 1 OCT 2007	BALANCE DUE AS OF 1 OCT 2007	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			
CV-22, Bell-Boeing, FY02	02	AF	2	2	0																									0			
CV-22, Bell-Boeing, FY04	04	AF	2	2	0																									0			
CV-22, Bell-Boeing, FY05	05	AF	3	3	0																									0			
CV-22, Bell-Boeing, FY06	06	AF	2	0	2				1						1															0			
CV-22, Bell-Boeing, FY07	07	AF	2	0	2															1							1			0			
CV-22, Bell-Boeing, FY07 - GWOT Supplement	07	AF	1	0	1																									1			
CV-22, Bell-Boeing, FY08	08	AF	5	0	5				A																					5			
CV-22, Bell-Boeing, FY09	09	AF	6	0	6																A									6			
CV-22, Bell-Boeing, FY10	10	AF	5	0	5																									5			
CV-22, Bell-Boeing, FY11	11	AF	5	0	5																									5			
CV-22, Bell-Boeing, FY12	12	AF	5	0	5																									5			
CV-22, Bell-Boeing, FY13	13	AF	5	0	5																									5			
CV-22, Bell-Boeing, To Complete		AF	7	0	7																									7			
		Total:	50	7	43	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	39			
REMARKS: 1. FY 2002 production representative test vehicles (PRTVs) purchased with Air Force RDT&E funding. No quantities procured in FY03.					FISCAL YEAR 10										FISCAL YEAR 11																		
					CALENDAR YEAR 10										CALENDAR YEAR 11																		
ITEM/MANUFACTURER/ PROCUREMENT YEAR	F Y	S V C	Q T Y	DELIVERIES PRIOR TO 1 OCT 2009	BALANCE DUE AS OF 1 OCT 2009	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			
CV-22, Bell-Boeing, FY02	02	AF	2	2	0																									0			
CV-22, Bell-Boeing, FY04	04	AF	2	2	0																									0			
CV-22, Bell-Boeing, FY05	05	AF	3	3	0																									0			
CV-22, Bell-Boeing, FY06	06	AF	2	2	0																									0			
CV-22, Bell-Boeing, FY07	07	AF	2	2	0																									0			
CV-22, Bell-Boeing, FY07 - GWOT Supplement	07	AF	1	0	1															1										0			
CV-22, Bell-Boeing, FY08	08	AF	5	0	5				1			1		1																0			
CV-22, Bell-Boeing, FY09	09	AF	6	0	6																									2			
CV-22, Bell-Boeing, FY10	10	AF	5	0	5				A																					5			
CV-22, Bell-Boeing, FY11	11	AF	5	0	5																A									5			
CV-22, Bell-Boeing, FY12	12	AF	5	0	5																									5			
CV-22, Bell-Boeing, FY13	13	AF	5	0	5																									5			
CV-22, Bell-Boeing, To Complete		AF	7	0	7																									7			
		Total:	50	11	39	0	0	1	0	0	1	0	1	0	1	0	1	0	1	0	0	1	0	1	1	0	0	1	0	29			

Exhibit P-21, Production Schedule DATE: FEBRUARY 2008

Appropriation (Treasury) Code/CC/BA/BSA/Item Control - 0300/BA2/1000CV2200	Weapon System: CV-22	P-1 Line Item Nomenclature CV-22 SOF MOD
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Item	Manufacturer's Name and Location	PRODUCTION RATE												PROCUREMENT LEAD TIMES																	
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																					
		11	32	44		6	36	24	30	Each																					
		FISCAL YEAR 12												FISCAL YEAR 13																	
		CALENDAR YEAR 12												CALENDAR YEAR 13																	
ITEM/MANUFACTURER/ PROCUREMENT YEAR	F Y	S V C	Q T Y	DELIVERIES PRIOR TO 1 OCT 2011	BALANCE DUE AS OF 1 OCT 2011	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
CV-22, Bell-Boeing, FY02	02	AF	2	2	0																									0	
CV-22, Bell-Boeing, FY04	04	AF	2	2	0																									0	
CV-22, Bell-Boeing, FY05	05	AF	3	3	0																									0	
CV-22, Bell-Boeing, FY06	06	AF	2	2	0																									0	
CV-22, Bell-Boeing, FY07	07	AF	2	2	0																									0	
CV-22, Bell-Boeing, FY07 - GWOT Supplement	07	AF	1	1	0																									0	
CV-22, Bell-Boeing, FY08	08	AF	5	5	0																									0	
CV-22, Bell-Boeing, FY09	09	AF	6	4	2	1	1																							0	
CV-22, Bell-Boeing, FY10	10	AF	5	0	5			1		1		1			1		1													0	
CV-22, Bell-Boeing, FY11	11	AF	5	0	5														1		1		1				1		1	0	
CV-22, Bell-Boeing, FY12	12	AF	5	0	5				A																					5	
CV-22, Bell-Boeing, FY13	13	AF	5	0	5																A									5	
CV-22, Bell-Boeing, To Complete		AF	7	0	7																									7	
Total:			50	21	29	1	1	1	0	1	0	1	0	0	1	0	1	0	0	1	0	1	0	1	0	0	1	0	1	17	
		FISCAL YEAR 14												FISCAL YEAR 15																	
		CALENDAR YEAR 14												CALENDAR YEAR 15																	
ITEM/MANUFACTURER/ PROCUREMENT YEAR	F Y	S V C	Q T Y	DELIVERIES PRIOR TO 1 OCT 2013	BALANCE DUE AS OF 1 OCT 2013	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
CV-22, Bell-Boeing, FY02	02	AF	2	2	0																									0	
CV-22, Bell-Boeing, FY04	04	AF	2	2	0																										0
CV-22, Bell-Boeing, FY05	05	AF	3	3	0																										0
CV-22, Bell-Boeing, FY06	06	AF	2	2	0																										0
CV-22, Bell-Boeing, FY07	07	AF	2	2	0																										0
CV-22, Bell-Boeing, FY07 - GWOT Supplement	07	AF	1	1	0																										0
CV-22, Bell-Boeing, FY08	08	AF	5	5	0																										0
CV-22, Bell-Boeing, FY09	09	AF	6	6	0																										0
CV-22, Bell-Boeing, FY10	10	AF	5	5	0																										0
CV-22, Bell-Boeing, FY11	11	AF	5	5	0																										0
CV-22, Bell-Boeing, FY12	12	AF	5	0	5			1		1		1			1		1														0
CV-22, Bell-Boeing, FY13	13	AF	5	0	5																1		1		1			1		1	0
CV-22, Bell-Boeing, To Complete		AF	7	0	7																										7
Total:			50	33	17	0	0	1	0	1	0	1	0	0	1	0	1	0	0	1	0	1	0	1	0	0	1	0	1	7	

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2008		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE AC-130U GUNSHIP ACQUISITION					
	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	1,375.220	.902						
<p>MISSION AND DESCRIPTION: The AC-130U Gunship is a sophisticated, highly integrated attack aircraft with a strike radar, electro/optical sensors and weapons. The strike radar and sensors provide the gunship with adverse weather and night target acquisition and strike capability through the use of a fire control system and an armament suite consisting of three, side-firing, trainable guns. Thirteen aircrew members operate the AC-130U using an integrated environment that combines duties on the flight deck with a Battle Management Center and aerial gunner stations. The associated RDT&E funds were in Program Element 1160404BB. This P-1 line was comprised of the following FY2007 program:</p> <p>1. AC-130U Drag and Weight Reduction. Completes production of drag and weight reduction initiatives critical to the performance and survivability of the AC-130U aircraft.</p>								

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2008		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS					
	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	1,572.260	101.268	118.744	47.018	21.386	15.976	24.675	40.328
<p>MISSION AND DESCRIPTION: The C-130 Modifications line item provides for modifications to various Special Operations Forces (SOF) models of the C-130 aircraft. Program is comprised of modifications generated from mission performance deficiencies, logistics problems and changes in the missions of the C-130 aircraft. This P-1 received FY 2007 supplemental funds for the AAR-44 Infrared Warning Receiver sustainment efforts. The associated RDT&E funds are in Program Elements 1160403BB, 1160404BB, and 1160425BB.</p> <p>Modifications are as follows:</p> <p>1. AC-130U Gunship Multispectral System-2. This modification replaces deficient All Light Level TV Multispectral sensors. FY 2007 Supplemental funding procured initial spares and retrofit lasers for the initial four turrets funded with prior year supplemental funds.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures six installations, one sensor kit, production support, initial spares, support equipment, and technical data (see Exhibit P-3A for details).</p> <p>2. AC-130U 30MM Guns. Procures 30MM guns for thirteen AC-130U aircraft.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures gun kits for five aircraft, four installations, initial spares, production support, and interim contractor support (see Exhibit P-3A for details).</p> <p>3. MC-130P Dual Rails. Procures and installs dual rail cargo handling system on the MC-130P Combat Shadow fleet to increase cargo capacity, increase airdrop capability, and reduce the number of sorties required to perform SOF airlift missions. Trial installation and kit proof began in FY 2007 (funded with FY 2005 funds under the MC-130 sustainment line). Congress was notified of this new start modification in March 2007.</p> <p>FY2009 PROGRAM JUSTIFICATION: Procures 19 dual rail kits and contract installations (see Exhibit P-3A for details).</p>								

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2P-1 ITEM NOMENCLATURE
C-130 MODIFICATIONS

4. AC-130U and MC-130H Center Wing Replacement. This modification incorporates enhanced center wings on SOF C-130s. These wings are modified to support more stringent SOF operations. FY 2005 funding is in the MC-130H Combat Talon II P-1 line. Program was increased by FY 2007 supplemental funds.

FY 2009 PROGRAM JUSTIFICATION: Continues the replacement of center wings on MC-130H Combat Talon II and AC-130U Gunship (see Exhibit P-3A for details).

5. C-130 Low Cost Modifications. Minor modifications to MC-130E/H/P/W and AC-130H/U SOF-unique equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission enhancements. Modifications planned, but not limited to, include: MC-130H and AC-130U radar upgrades; avionics upgrades; AC-130H/U gun systems improvements; AC-130U engine IR tub upgrades; MC-130 loadmaster crashworthy seats; AAQ-24/ALE-47 flare dispensing integration; AC-130H 105mm close-out boot; aircraft wireless intercom system; display upgrades; ARC-231 communication system integration; MC-130 lightweight paratroop door armor; AC-130H aft scanner station replacement; MC-130H ALR-69 safety wire clip installation; MC-130H electronic noise reduction; and similar system upgrades.

FY 2009 PROGRAM JUSTIFICATION: Continues minor upgrades/modifications to SOF C-130 equipment.

6. EC-130 Modifications. Modifies three EC-130J aircraft equipped with high powered transmitters and antenna arrays for broadcasting radio and television in support of psychological operations. Prior to FY 2009, these funds were budgeted under the PSYOP EQUIPMENT line.

FY2009 PROGRAM JUSTIFICATION. Continues modifications and upgrades of equipment. Funds requirements (safety, corrosion, avionics updates, etc.) not known in advance that occur from operations.

7. Fixed Wing Sensor. This modification addresses obsolescence, correction of deficiencies and sustainment issues impacting SOF C-130 sensors; primarily, the AN/AAQ-17/17A Infrared Detection Set receiver and control converter on the MC-130 H/P/W.

FY 2009 PROGRAM JUSTIFICATION: Completes installation of MC-130H sensors.

BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 2008
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS	
<p>8. APX-116 Beacons Modification.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Completes installation of the Low Probability of Intercept beacon on the MC-130P aircraft.</p> <p>9. AC-130H AVQ-19 Replacement. This modification replaces the obsolete Laser Targeting/Designating Rangefinder. Nonrecurring engineering was funded in FY 2004 and FY 2005 and was completed in FY 2006. Program increased by FY 2007 Supplemental funding.</p> <p>10. C-130 Boresight Support Equipment. Procure diagnostic equipment to support SOF C-130 aircraft systems alignment and troubleshooting (funded with FY 2007 Supplemental).</p> <p>11. APQ-122 SLEP. Replaces radar obsolete components.</p> <p>12. AC-130U 105MM Underfloor. Replaces underfloor end fittings and support structure. Congress was notified of this new start modification in February 2007 (funded with FY 2007 Supplemental).</p> <p>13. Terrain Following/Terrain Avoidance Radar. Replacement of existing multi-mode radars on the MC-130H, MH-60 and CV-22 aircraft with a common multi-mode radar. The associated RDT&E funds are in Program Element 1160403BB.</p> <p><i>FY 2007 funding total included \$49.833 million received in supplemental.</i></p> <p><i>FY 2008 funding total includes \$11.000 million received in Division L of the Consolidated Appropriations Act, 2008 (P.L. 110-161).</i></p>		

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
C-130 MODIFICATIONS

MODIFICATION SUMMARY

<u>DESCRIPTION</u>	<u>Prior Years</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>
1. AC-130U Gunship Multispectral System -2	26.973	37.932	37.799	11.918	.694			
2. AC-130U 30MM Gun		.075	18.267	13.741	4.603	2.705		
3. MC-130P Dual Rails				7.245	.991			
4. Center Wing Replacement AC-130U & MC-130H	2.979	12.415	12.609	6.330	5.216	2.756	2.616	.099
5. C-130 Low Cost Modifications			7.837	6.305	9.882	9.691	7.091	7.293
6. EC-130 Modifications	58.036			.990		.824	.793	
7. Fixed Wing Sensor		16.063	23.386	.272				
8. APX-116 Beacons	9.998	.077	.995	.217				
9. AC130H AVQ-19 Replacement System	27.206	6.070	6.851					
10. C130 Boresight Support Equipment		9.860						
11. APQ-122 SLEP		9.337						
12. AC-130U 105MM Underfloor Structure		.750						
13. TFTA Radar (Silent Knight)							14.175	32.936
SUBTOTAL FOR MODS	125.192	92.579	107.744	47.018	21.386	15.976	24.675	40.328

DESCRIPTION/JUSTIFICATION: The AC-130U ALLTV Sensor has never met performance requirements. Development of a replacement was initiated with Defense Emergency Response Funds in FY02 in response to a Combat Mission Needs Statement (CMNS). The FY04-06 procurement program fields four sensors to satisfy the CMNS. The FY07-09 program procures and installs 12 mission sensors plus initial spares to retrofit the rest of the AC-130U fleet, plus spares, technical data, and interim contractor support. Installation costs for first four units are included in sensor kit costs.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Initial Contract Award: Nov 04

PDR:

CDR:

Trial Install: Sep 06

Kit Proof: Nov 07

Production Installs: FY09-FY10

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Yrs		FY06		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		TOTAL			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
RDT&E	1	23.4				8.4															1	31.8		
																						0	0.0	
																						0	0.0	
																						0	0.0	
PROC																						0	0.0	
Sensor A/B Kits	4	26.4			4	22.3	7	36.4	1	5.1												16	90.2	
Data										0.4												0	0.4	
Spares						11.5	1.0	1.1														0	13.6	
Other Production Support		0.6				0.7	0.4	2.6	0.1													0	4.4	
Support Equipment									2.1													0	2.1	
Retrofit Kits					4	3.4																4	3.4	
																						0	0.0	
																						0	0.0	
																						0	0.0	
																						0	0.0	
																						0	0.0	
																						0	0.0	
DERF (Non Add)		31.6																				0	31.6	
																						0	0.0	
																						0	0.0	
																						0	0.0	
Install Cost	0	0.0	0	0.0	0	0.0	0	0.0	6	0.6	6	0.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12	1.2
Total Proc	4	27.0	0	0.0	8	37.9	7	37.8	1	11.9	0	0.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	20	115.3

Exhibit P-3a, Individual Modification (Continued)

MODELS OF SYSTEMS AFFECTED: AC130U

MODIFICATION TITLE: Gunship Multispectral System - 2 (GMS-2)

INSTALLATION INFORMATION: Contractor Field Team

METHOD OF IMPLEMENTATION: Contractor field team deployed to aircraft location

ADMINISTRATIVE LEAD TIME: 1 month

PRODUCTION LEADTIME: 15 months

CONTRACT DATES: Prior Year: Dec 06 Current Year: Mar 08 Budget Year 1: Dec 09 Budget Year 2:

DELIVERY DATES: Prior Year: Jun 09 Current Year: Jun 09 Budget Year 1: Mar 10 Budget Year 2:

(\$ in Millions)

	Prior Yrs		FY06		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$			Qty	\$	Qty	\$	
PYS																						0	0.0
FY06																						0	0.0
FY07																						0	0.0
FY08									4	0.4												4	0.4
FY09									2	0.2	5	0.5										7	0.7
FY10											1	0.1										1	0.1
FY11																						0	0.0
FY12																						0	0.0
FY13																						0	0.0
To Complete																							
Total	0	0.0	0	0.0	0	0.0	0	0.0	6	0.6	6	0.6	0	0.0	0	0.0			0	0.0	12	1.2	

Installation Schedule

	PY's	FY08				FY09				FY10				FY11				FY12				FY13			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In							2	4			3	3													
Out							2	4			3	3													

	TC	Total
In		12
Out		12

Exhibit P-3a, Individual Modification (Continued)

MODELS OF SYSTEMS AFFECTED: AC-130U

MODIFICATION TITLE: 30MM Gun

INSTALLATION INFORMATION: Contractor depot team

METHOD OF IMPLEMENTATION: Installation at operational locations

ADMINISTRATIVE LEAD TIME: 3 months

PRODUCTION LEAD TIME: 12 months

CONTRACT DATES: Prior Year: N/A Current Year : Jan 08 Budget Year 1: Dec 08 Budget Year 2:

DELIVERY DATES: Prior Year: N/A Current Year: Jan 09 Budget Year 1: Dec 09 Budget Year 2:

(\$ in Millions)

	Prior Yrs		FY06		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		TOTAL			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
PYS																						0	0.0	
FY06																							0	0.0
FY07																							0	0.0
FY08									4	2.0	4	2.0											8	4.0
FY09											5	2.5											5	2.5
FY10																							0	0.0
FY11																							0	0.0
FY12																							0	0.0
FY13																							0	0.0
To Complete																							0	0.0
Total	0	0.0	0	0.0	0	0.0	0	0.0	4	2.0	9	4.5	0	0.0	13	6.5								

Installation Schedule

	PY	FY08				FY09				FY10				FY11				FY12				FY13			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In								3	3	3	3	1													
Out								3	3	3	3	1													

	TC	Total
In		13
Out		13

MODELS OF SYSTEMS AFFECTED: MC-130P

TYPE MODIFICATION: Sustainment

MODIFICATION TITLE: Dual Rails

DESCRIPTION/JUSTIFICATION: Procure and install a Dual Rails cargo handling system on the MC-130P Combat Shadow fleet to increase cargo capacity, increase airdrop capability, and reduce the number of sorties required to perform SOF airlift missions. Installation procured in conjunction with kits.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Initial Contract Award: Aug 07

PDR: Oct 07

CDR: Jan 08

Trial Install: Jul 08

Kit Proof: Nov 08

Production Installs: FY09-10

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Yrs		FY06		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																					0	0.0
PROC																					0	0.0
Non-Recurring Engineering	1	0.8																			1	0.8
Kit	1	0.4							19	7.1	2	0.9									22	8.4
Data		0.2																			0	0.2
Other Government Costs		0.0								0.1		0.1									0	0.2
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
Install Cost	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Proc	2	1.3	0	0.0	0	0.0	0	0.0	19	7.2	2	1.0	0	0.0	0	0.0	0	0.0	0	0.0	23	9.5

MODELS OF SYSTEMS AFFECTED: AC-130U and MC-130H

TYPE MODIFICATION: Sustainment

MODIFICATION TITLE: Center Wing Replacement

DESCRIPTION/JUSTIFICATION: AC-130U and MC-130H Center Wing Box (CWB) replacement program addresses structural fatigue issues and satisfies AFSOC Operational Requirement Document-023-93-1. The Operational Requirements Document is for the permanent replacement of Special Operations Forces C-130 aircraft CWB with Enhanced Service Life CWB. The Enhanced Service Life Extension Wing has 150,000 Equivalent Flying Hours.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Initial Contract Award: Apr 05

PDR: Jul 05

CDR: Sep 05

Trial Install: Oct 06

Kit Proof: Jul 07

Production Installs: FY07-FY14

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Yrs		FY06		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																					0	0.0
PROC																					0	0.0
MC-130H Kits	8	3.7			5	2.6	5	2.6	1	0.5	1	0.5									20	9.9
AC-130U Kits					3	1.5	4	2.0	5	2.6	3	1.5	2	1.0							17	8.6
Install Kit Non-Recurring Engineering		9.7				8.1		6.0		0.4											0	16.1
Data		0.1				0.1		0.5		0.6					0.5						0	1.8
Support Equipment		0.5																			0	0.5
Engineering Change Orders															0.5						0	0.5
Production Support						0.1		0.7		1.2		0.8			1.0						0	3.8
																					0	1.9
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
Install Cost	1	0.2			0	0.0	4	0.8	5	1.0	12	2.4	9	1.8	3	0.6	1	0.1	2	0.4	37	7.4
Total Proc	8	14.2	0	0.0	8	12.4	9	12.6	6	6.3	4	5.2	2	2.8	0	2.6	0	0.1	0	0.4	37	56.6

Exhibit P-3a, Individual Modification (Continued)

MODELS OF SYSTEMS AFFECTED: AC-130U and MC-130H

MODIFICATION TITLE: Center Wing Replacement

INSTALLATION INFORMATION: Depot team installation (402 MXW, Robins AFB, GA)

METHOD OF IMPLEMENTATION: Organic

ADMINISTRATIVE LEAD-TIME: 2 months

PRODUCTION LEAD-TIME: 33 months

CONTRACT DATES: Prior Year: Dec 06

Current Year: Dec 07

Budget Year 1: Dec 08

Budget Year 2: Dec 09

DELIVERY DATES: Prior Year: May 09

Current Year: Oct 10

Budget Year 1: Oct 11

Budget Year 2: May 12

(\$ in Millions)

	Prior Yrs		FY06		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PYS	1	0.2					1	0.2			2	0.4										4	0.8
FY06							3	0.6	1	0.2												4	0.8
FY07									4	0.8	4	0.8										8	1.6
FY08											6	1.2	3	0.6								9	1.8
FY09													6	1.2								6	1.2
FY10															3	0.6						3	0.6
FY11																	1	0.2	2	0.4		3	0.6
FY12																						0	0.0
FY13																						0	0.0
To Complete																						0	0.0
Total	1	0.2	0	0.0	0	0.0	4	0.8	5	1.0	12	2.4	9	1.8	3	0.6	1	0.2	2	0.4	37	7.4	

Installation Schedule

	PY	FY08				FY09				FY10				FY11				FY12				FY13			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In	1		1	1	2			2	3	1	2	3	6	2	2	2	3	1	1	1					1
Out	1			1	1	2			2	3	1	2	3	6	2	2	2	3	1	1	1				

	TC	Total
In	2	37
Out	3	37

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2008		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT					
	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	243.287	.911	1.313	1.347	1.371	1.399	1.426	1.455
<p>MISSION AND DESCRIPTION: The Aircraft Support line item provides for various types of equipment required to support Special Operations Forces (SOF) aircraft. No associated RDT&E funds. This P-1 line is comprised of the following program:</p> <p>1. 1st Special Operations Wing (SOW) Support Equipment. Procures SOF-Peculiar support equipment to support SOF war fighting requirements identified by unit type code packages for all AFSOC squadrons.</p> <p>FY2009 PROGRAM JUSTIFICATION: Continues the funding of SOF unique support equipment for the 1st SOW.</p>								

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2008		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE ADVANCED SEAL DELIVERY SYSTEM (ASDS)					
	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	127.360	12.578	10.549	5.760	5.911	6.117		
<p>MISSION AND DESCRIPTION: The Advanced Sea, Air, Land (SEAL) Delivery System (ASDS) is a one atmosphere dry submersible that provides Naval Special Operations Forces (SOF) with a clandestine long range insertion capability required to conduct traditional SOF missions such as reconnaissance and direct action. ASDS advantages over the current SEAL Delivery Vehicle (a wet submersible) include greatly increased range, increased payload and passenger capacity, state of the art sensors and communications, the ability to loiter in a target area, and protection of personnel from complex dive profiles and debilitating exposures to cold or hot water transit. The ASDS program was restructured in Nov 05. Fielding and Deployment Release was rescinded and a reliability improvement program was established to concentrate on reliability and technology improvements to ASDS System #1 (ASDS-1). Funds were realigned to operate and sustain ASDS-1, improve reliability, address obsolescence through technology insertion, and conduct concept studies. In Jul 07, after ASDS-1 had demonstrated the effectiveness of a number of significant reliability improvements, USSOCOM reissued its Fielding and Deployment Release. The associated RDT&E funds are in Program Element 1160426BB.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Continues procurement of spares and alterations associated with the reliability improvement program.</p>								

Exhibit P-5 Cost Analysis SHIPBUILDING		Weapon System			Date: FEBRUARY 2008				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/5000510300				ID Code	P-1 Line Item Nomenclature ADVANCED SEAL DELIVERY SYSTEM (ASDS)				
WBS COST ELEMENTS		Prior Years		FY 2007		FY 2008		FY 2009	
		Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. ASDS Spares			21,706		2,490		2,500		1,488
2. ASDS Other									
A. Alterations/Modernization Engineering Change Proposals			55,747		10,088		8,049		4,272
Prior Year Funding			49,907						
LINE ITEM TOTAL			127,360		12,578		10,549		5,760

Exhibit P-18 Initial and Replenishment Spare and Repair Parts Justification						Date: FEBRUARY 2008				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/5000510300				Weapon System		P-1 Line Item Nomenclature ADVANCE SEAL DELIVERY SYSTEM				
End Item P-1 Line Item	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
INITIAL	23,473	2,490	2,500	1,488	1,487	1,487				32,925
TOTAL INITIAL	23,473	2,490	2,500	1,488	1,487	1,487	0	0	0	32,925
REPLENISHMENT										
TOTAL REPLENISHMENT	0	0	0	0	0	0	0	0	0	0
LINE ITEM TOTAL	23,473	2,490	2,500	1,488	1,487	1,487	0	0	0	32,925
Remarks: The reliability improvement program redesign will generate initial sparing changes for ASDS-1.										
Remarks: Funded Initial Spares = \$32,925K										

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2008		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE MK8 MOD1 SEAL DELIVERY VEHICLE					
	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	65.720	2.463	8.692	7.061	1.487	2.825	9.913	2.974
<p>MISSION AND DESCRIPTION: The MK 8 MOD 1 Sea, Air, Land (SEAL) Delivery Vehicle (SDV) is a small battery-powered, free-flooding combat submersible operated by a crew of two (pilot and co-pilot) that clandestinely transports up to four SOF personnel with combat equipment. The MK 8 MOD 1 SDV provides a clandestine infiltration/exfiltration capability for SOF into hostile/denied littoral areas and harbor/port facilities. The line item corrects sustainability and maintainability issues within subsystems in response to obsolescence of imbedded commercial-off-the-shelf (COTS) electronics hardware and software. The associated RDT&E funds are in Program Element (PE) 1160404BB and PE 1160483BB.</p> <p>FY 2009 PROGRAM JUSTIFICATION: This effort procures the materiel for incremental upgrade of fielded COTS and non-developmental item redesigns of obsolete and/or unsupportable electronic subsystems. Upgrades/improvements are executed in stages coinciding with SDV maintenance periods and through tiger-team installation at the operational units. Funds are also provided for procurement of Lithium-ion batteries and battery charger upgrades to address current battery design, supportability and obsolescence issues.</p>								

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
SOF ORDNANCE REPLENISHMENT

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	496.154	96.586	84.246	67.083	83.742	85.320	84.781	85.855

MISSION AND DESCRIPTION: The Ordnance Replenishment line item provides munition for Special Operations Forces (SOF) components for required training, combat missions, and war reserve stock. The required funding will allow SOF components to accomplish the required annual training, support required combat missions, and build toward the required war reserve quantities. No associated RDT&E funds.

1. Naval Special Warfare Command Munitions. Provides replenishment munitions for SOF resupply of peacetime and combat mission expenditures, specified combat reserve requirements and production support. Program increased by FY 2003, FY 2004, FY 2005, FY 2006, FY 2007, and FY 2008 Supplemental Funds.

FY 2009 PROGRAM JUSTIFICATION: Funding procures the following munitions: 40MM Cartridges (all types); Shotgun Cartridges (all types); Handgun Cartridges (all types of 9MM and .45 Caliber); Rifle/Machine Gun Cartridges (all types of 5.56MM; 7.62MM and .50 Caliber); Grenades (offensive and smoke); Law Rockets; a variety of pyrotechnic signaling devices and demolition material consisting of signals, training devices, explosives, firing devices, and accessories; blasting caps and initiators, underwater mines and components; and production engineering. Actual quantities vary depending on training requirements.

2. Air Force Special Operations Command Training Munitions. Provides replenishment munition required to maintain AC-130U Gunship crew mission related readiness skills and provides combat mission support. Program increased by FY 2003, FY 2004, FY 2005, FY 2006, FY 2007 and FY 2008 Supplemental Funds.

FY 2009 PROGRAM JUSTIFICATION: Procures 105MM ammunition and 30MM links and clips. USSOCOM procures 30MM links and clips to convert Air Force provided 30MM rounds for use in AC-130U Gunships.

3. United States Army Special Operations Command Munition. Procures SOF-peculiar munitions for required training, combat missions, and war reserve. Program increased by FY 2004, FY 2005, FY 2006, FY 2007, and FY 2008 Supplemental Funds.

BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 2008
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT	
<p>FY 2009 PROGRAM JUSTIFICATION: Procures 300 Win Mag, 77-Grain 5.56MM, Flash-Bang Grenades, 84MM MAAWS, explosives, ammunitions and production engineering.</p> <p><i>FY 2007 funding total included \$45.788 million received in supplemental.</i></p> <p><i>FY 2008 funding total includes \$32.759 million received in Division L of the Consolidated Appropriations Act, 2008 (P.L. 110-161).</i></p>		

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
SOF ORDNANCE ACQUISITION

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	428.201	80.694	65.929	5.540	.496	.496	.496	.496

MISSION AND DESCRIPTION: The Special Operations Forces (SOF) Ordnance Acquisition line item includes demolitions, ordnance, explosive devices modified for SOF use, and foreign weapons for training proficiency. This budget line includes the Advanced Lightweight Grenade Launcher (ALGL) ammunition, Aviation ammunition, SOF Demolitions and Breaching Program (DBP) (formerly SOF Demo Kit), Multi-Purpose Anti-Armor/Anti-Personnel Weapons System (MAAWS), Nonstandard Materiel (NSM) [formerly Foreign Nonstandard Materiel (FNM)], Remote Activation Munition System (RAMS), Stand-off Precision Guided Munition (SOPGM), and Time Delay Firing Device (TDFD)/Sympathetic Detonator (SYDET). The associated RDT&E funds are in Program Elements 1160404BB and 1160481BB.

1. ALGL Ammunition. Provides 40mm high-velocity Pre-fragmented, Programmable High Explosive airburst ammunition for use with the ALGL-MK47. Program was increased by FY 2006 and FY 2007 Supplemental funds, and an FY 2007 Congressional add.
2. Aviation Ammunition. Provides SOF-unique aviation ammunition for units to meet wartime and training requirements. Program was increased by FY 2007 Supplemental funds.
3. DBP. The DBP consists of over thirty (30) hardware sets of explosively formed penetrators, conical shape charges, and linear shaped charges along with tools, equipment, and attaching devices for constructing and emplacing a variety of demolition charges, diversionary devices, demolition hand grenades, breaching devices and provides for production support. The program allows the SOF operator to tailor the demolition charges to the target providing greater lethality and mission flexibility. Program was increased by FY 2004, FY 2005, FY 2006, and FY 2007 Supplemental funds.

FY 2009 PROGRAM JUSTIFICATION: Qualify and procure additional, more effective demolition and breaching items and replenishment items and provides for production support.

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
SOF ORDNANCE ACQUISITION

4. Multi-purpose Anti-Armor Anti-Personnel Weapon System (MAAWS). MAAWS is a multi-purpose, man-portable, line-of sight, reloadable, salt water submersible, jumpable, and recoilless, day/night, anti-armor and anti-personnel weapon system. It includes a family of munitions providing armored vehicle destruction, bunker and hardened facility destruction, soft target destruction, anti-personnel, smoke obscuration, and illumination as well as a sub-caliber training device with back blast simulation. MAAWS gives SOF extended range fires to operate where no artillery support is available. Two new munitions were added beginning in FY 2007: Multi-Target Warhead and Anti-Structural Munition. Program increased by FY 2004, FY 2005, FY 2006, FY 2007, and FY 2008 Supplemental funds.

FY 2009 PROGRAM JUSTIFICATION: Qualify and procure improvements to the MAAWS system including the capability to fire from inside a building and a lighter recoilless rifle, safer ammunition, and infrared illumination ammunition. Qualify and procure Light Assault Weapon (LAW) fire from enclosure version to support urban operations. Provide for insensitive munition compliance on various MAAWS rounds.

5. Non Standard Materiel (NSM). SOF units are required to be proficient in the use of foreign weapons to train foreign forces. This program provides foreign training ammunition, weapons and related equipment to meet this training requirement. Program was increased by FY 2007 Supplemental funds.

FY 2009 PROGRAM JUSTIFICATION: Procures and performs lot acceptance testing of foreign and non-standard materiel, weapons and ammunition to train SOF operators, and associated transportation costs.

6. Remote Activation Munition Systems (RAMS). Radio Frequency RAMS provides SOF the capability to remotely detonate demolitions 20 Km from the target. Magneto Inductive RAMS has a shorter range but has the capability of transmitting through earth, water and into caves. Program increased by FY 2005, FY 2006, and 2007 Supplemental funds.

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 2008
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION	
<p>7. Stand-Off Precision Guided Munitions (SOPGM). The SOPGM is a glide weapon, with little or no signature at launch. The semi-active laser-guided SOPGM complements the current armement suite. It addresses the critical need for a precision weapon capable of a "one shot, one kill" capability to prevent the enemy from escaping into structures that are not on the target list or dispersing into the urban terrain. The SOPGM also addresses the critical need for a very low collateral damage munition capable of employment in top attack scenarios with urban environments. Program increased by FY 2007 and FY 2008 Supplemental funds.</p> <p>8. Timed Delay/Firing Device/Sympathetic Detonator (TDFD/SYDET). Provides the SOF operator the ability to set a timer to initiate demolitions in time delay mode, absolute time mode or in sympathetic mode without the use of primary explosives. The elimination of primary explosives is a quantum leap in safety and reliability of the devices. Program increased by FY 2006 and FY 2007 Congressional adds and FY 2007 Supplemental.</p> <p><i>FY 2007 funding total included \$53.176 million received in supplemental.</i></p> <p><i>FY 2008 funding total includes \$39.600 million received in Division L of the Consolidated Appropriations Act, 2008 (P.L. 110-161).</i></p>		

Exhibit P-40A, Budget Item Justification for Aggregated Items SOF ORDNANCE ACQUISITION						Date: FEBRUARY 2008					
Appropriation/Budget Activity - 0300/BA2											
Procurement Items	CONTRACTOR AND LOCATION	ID Code	PYs		FY 2007		FY 2008		FY 2009		
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	
1. Advanced Lightweight Launcher (ALGL) Ammunition											
A. MK 285 Pre Programmed Pre Fragmented High Explosive (PPHE) Rounds	NAMMO, Norway		39,776	8761	47,000	10,360					
B. Production/Fielding Support	NAMMO, Norway			120		415					
Subtotal				8,881		10,775					
2. Aviation Ammunition											
A. 7.62 Dim Tracer	Lake City Manufacturing, Lake City, MI		14,855,788		63,625	31	1,640,984	820			
B. 2.75 HE Rockets	General Dynamics, Burlington, VT						3,000	350			
C. BBU-35/B Ctg	Pacific Scientific Quantic, Holister, CA		29,555				14,669	82			
D. BBU-48/B Ctg	Pacific Scientific Quantic, Holister, CA		13,440				2,721	86			
E. Flares	Picatinny Arsenal, NJ						1,227	95			
F. Chaff	Pacific Scientific Quantic, Holister, CA		19,640				13,500	115			
G. Production Support	General Dynamics, Burlington, VT							100			
H. Test/Transport	Various							110			
Subtotal				1,649		31		1,758			
3. Demolitions Kit (DK)											
A. Production Support	US Army PEO-AMMO, Picatinny, NJ					864		200		25	
B. Explosively Formed Penetrator (EFP)	Raytheon, Indianapolis, IN		19,016,370		2,000	2,120	96	100			
C. Multi-Fragmenting EFPs	Charg, Laverne, CA		1,850		4,000	2,003	392	200			
D. Fence Piercing EFPs	Raytheon, Indianapolis, IN		5,347		6,000	4,020	149	100			
E. Cable Cutters	Sydney Olford, UK		9,402				238	100			
F. Replenishment Demolition Items	Raytheon, Indianapolis, IN		2,489			205		3,618		471	
Subtotal				15,678		9,212		4,318		496	
4. Non-standard Material (FNM)											
A. Equipment/Weapons	Various			549		1,927		2,185		3,358	
B. Test/Transport	Army R&D Center, Picatinny, NJ			50		120		200		198	
Subtotal				599		2,047		2,385		3,556	
5. Multi-purpose Anti-armor Anti-Personnel Weapon System (MAAWS)											
A. MAAWS Rounds Replenishment	Bofors, Sweden			24,996				4,621			
B. MAAWS Ammo Qualification	Bofors, Sweden			1,600		1,724				378	
C. Marking Target IR XM 1091	Bofors, Sweden						3,000	900			
D. Multi-Target Warhead	Bofors, Sweden						2,000	5,700			
E. Anti Structural Munition	Bofors, Sweden				1,714	4,285					
F. MAAWS Lightweight Assault Weapon (LAW)	Bofors, Sweden						1,298	4,700	336	1,110	

Exhibit P-40A, Budget Item Justification for Aggregated Items SOF ORDNANCE ACQUISITION					Date: FEBRUARY 2008					
Appropriation/Budget Activity - 0300/BA2										
Procurement Items	CONTRACTOR AND LOCATION	ID Code	PYs		FY 2007		FY 2008		FY 2009	
			Qty	Total Cost	Qty	Total Cos	Qty	Total Cost	Qty	Total Cost
G. MAAWS LAW Production Support	Bofors, Sweden							300		
Subtotal				26,596		6,009		16,221		1,488
6. Remote Activation Munitions System (RAMS)										
A. M17s	Raytheon, Indianapolis, IN				12,000	24,000				
B. M156	Raytheon, Indianapolis, IN				20	4,000				
C. M50s	Raytheon, Indianapolis, IN				1,000	2,700				
D. Equipment/Weapons	Raytheon, Indianapolis, IN			900			10	191		
E. Production Support	US Army PEO-AMMO, Picatinny, NJ			50				25		
Subtotal				39,792		30,700		216		
7. Stand-off Precision Guided Munitions (SOPGM)										
A. Muntion	Various				100	11,500	200	33,000		
Subtotal						11,500		33,000		
8. Time Delay Firing Device/Sympathetic Detonator (TDFD/SYDET)										
A. Equipment/Weapons	Raytheon, Indianapolis, IN		120	704	3,121	8,427	4,351	7,731		
B. Production Support	US Army PEO-AMMO, Picatinny, NJ			677		200		300		
C. Equipment/Weapons	Raytheon, Indianapolis, IN		2,192	3,946	664	1,793				
Subtotal				5,327		10,420		8,031		
Prior Year Funding										
				329,679						
LINE ITEM TOTAL										
				428,201		80,694		65,929		5,540

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APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
COMMUNICATIONS EQUIPMENT AND ELECTRONICS

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	1,104.972	150.824	175.877	67.220	57.496	56.993	79.601	88.023

Beginning in FY 2009 a new P-1 Line item was established for Special Operations Forces (SOF) Tactical Radio Systems and SOF Automation Systems. FY 2009-2013 resources were moved from the Communications Equipment and Electronics P-1 Line item.

MISSION AND DESCRIPTION: The Communications Equipment and Electronics line item provides for communication systems to meet emergent requirements to support 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 procure lightweight, efficient and interoperable SOF Command, Control, Communications, and Computer (C4) capabilities. The associated RDT&E funds are in Program Elements 1160404BB and 1160474BB.

United States Special Operations Command (USSOCOM) has developed an overall strategy to ensure that Command, Control, Communications, Computer and Intelligence (C4I) systems continue to provide SOF with the required capabilities throughout the 21st century. USSOCOM's C4I systems comprise an integrated network of systems providing positive command and control and the timely exchange of intelligence and threat warning 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 infosphere is a multitude of existing and projected national assets that allows SOF elements to operate with any force combination in multiple environments. The ultimate objective is to have all systems interoperable with GIG. The C4 programs funded in this procurement line meet annual emergent requirements and are grouped by the level of organizational element they support: Operational Element (Team), Above Operational Element (Deployed) and Above Operational Element (Garrison).

OPERATIONAL ELEMENT (TEAM)

1. Multi-Band/Multi-Mission Radio (MBMMR). MBMMR provides voice and data communication in either a manpack or fixed mount radio configuration. It is designed to operate on a user-selected frequency from a 30 to 512 MHz in Very High Frequency (VHF) and Ultra-High Frequency (UHF) bands as well as Line-of-Sight (LOS), Demand Assigned Multiple Access (DAMA) Satellite Communications and Maritime

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modes. MBMMR features National Security Agency (NSA) endorsed type 1 embedded Communications Security (COMSEC). It operates in both military and public service bands and is compatible with the Electronic Counter-Counter Measure capabilities of the Single Channel Ground Airborne Radio System and HAVE QUICK II equipment. Other features include selectable power output up to 20 watts, night vision goggle compatible and saltwater immersible. Program increased by FY 2005 Supplemental funds and FY 2006 Title IX funds. Starting in FY 2009, MBMMR funding moves to the SOF Tactical Radios P-1 line item.

2. Miniature Multi-Band Beacon (MMB). The Miniature Multiband Beacon (MMB) (SMP 2000) is a small, lightweight, hand-emplaceable radar transponder beacon used by Special Operations Forces as a point designator for marking, locating and/or acquiring targets, drop zones, or other critical landmarks. It provides point of reference and identification for close air support missions and is also used as en-route navigation or pathfinder functions to guide aircraft to remote targets during periods of poor visibility. It also assists aircrews in locating, identifying and orienting towards assault zones and provides point designation for accurate delivery of ordnance or weapons off-set. Under certain conditions, to include combat, it may be used to identify friendly forces and prevent fratricide. Program increased by FY 2003 and FY 2004 Supplemental funds and FY2007 Congressional Add and Title IX funds.

ABOVE OPERATIONAL ELEMENT (DEPLOYED)

3. SOF Tactical Assured Connectivity Systems (SOFTACS). The SOFTACS program provides a deployable super high frequency quad-band (X, C, Ku, Ka) satellite communications and modular switching capability that supports high-capacity voice, data and video at all classification levels. The current SOFTACS program includes four sub-programs: SOFTACS Transit Case Variant (TCV); SOF Deployable Node (SDN)-Medium; SDN-Lite; and Evolutionary Technology Insertions (ETIs) that are interoperable with legacy systems and capital replacements to meet emerging requirements. The SOFTACS TCV consists of the Deployable Multi-Channel SATCOM (DMCS) transmission system and SDN switching system. The SOF Tactical Assured Connectivity Systems (SOFTACS) Transit Case Variant (TCV) will support all SOF missions' wide area connectivity including Video Teleconferencing (VTC), psychological operations and tactical area networks, and interfaces with DISA Standard Tactical Entry Point sites (STEP) and SOF SCAMPI tactical gateways. The SDN-M provides this same communications and information access in support of phased deployments of initial entry teams of 5-15 and increasing numbers of personnel as operations mature and

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lower echelon command elements. ETIs include Ka-Band Upgrades for the DMCS, TCV conversions to Internet Protocol (IP) technology and SDN Range Extension Packages (SDN-EP). The program increased by FY 2005 and FY 2007 Supplemental funds.

4. SOF Deployable Node (SDN). Starting in FY 2009 the SOFTACS program migrates to SDN and will include the following subprograms: SDN-Heavy, SDN-Medium, SDN-Lite and Evolutionary Technology Insertions (ETIs) as well as a capital equipment replacement program. SDN has become a family of satellite communications assemblages. The SOFTACS TCV sub program migrates to SDN-Heavy with the conversion to IP technology. SDN-Lite will transition from the SCAMPI program to the SDN Program and join the SDN family of systems. SDN-Lite is a rapidly deployable, lightweight communications package that provides the access to the SOF Information Enterprise (SIE) and Global Information Grid (GIG) but on a smaller scale than the SDN-H or SDN-M. It supports liaison elements and operational teams.

FY 2009 PROGRAM JUSTIFICATION: Procures 192 SDN Lite systems, 30 SDN Medium systems, and 8 SDN-Heavy systems as well as supporting the capital equipment replacement program. ETIs include Ka-Band Upgrades, SDN-EP Packages, and SDN variants for vehicle and afloat Communications On-The-Move (COTM).

5. Joint Base Station (JBS). JBS is an evolutionary acquisition program that is transforming to the Radio Integration System (RIS). JBS is the tactical Command and Control (C2) communications system providing the radio communications capability for deployed and forward-based SOF, Theater Special Operations Commanders and Marine Special Operations units supporting GWOT and other SOF activities. RIS reduces the current number of JBS variants to three. RIS will consist of a RIS (a full scale deployable and scaleable transit case variant) RIS Lite (a deployable downsized transit case variant), and RIS Fixed (a fixed base station variant). All RIS variants will be capable of integrating existing and future USSOCOM approved radios and be compliant with the future Joint Tactical Radio System (JTRS). RIS interfaces, enhances, and combines multiple single channel radios into one integrated C2 suite. Like its JBS predecessor, the RIS variants will enable the SOF operational commander to exercise reliable, effective, and efficient C2 functions in real time in the extremely fluid and dangerous environments of today's world. Moreover, the Radio Integration System (RIS) provides the SOF Commander and staff with the capability to send and receive voice, data, and messages between the inserted SOF warfighter and higher headquarters, Liaison Officers, other government agencies, and coalition partners.

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The RIS Lite will provide the SOF Commander with an on-the-move C2 capability in a suitcase size package. The RIS will support maximum cross-flow of information during mission execution via distributed access to the required SOF headquarters radio nets (Command, Fires, Air, Maritime, Coalition, Combat Search and Rescue, etc.). RIS will integrate these radio nets into a family of systems capable of remote monitoring and control by key staff functions, as directed by the deployed Commander. Additionally, RIS will provide deployed SOF with an Internet Protocol (IP) interface capability to other deployable SOF systems. Program increased by FY 2004, FY 2005, FY 2006, and FY 2007 Supplemental funds. Starting in FY 2009, Joint Base Station funding moves to the SOF Tactical Radios P-1 Line Item.

6. Tactical Radio Systems (TRS). TRS is a maritime tactical communications system which provides radio control/interior communications and a drop-in communications package capable of housing any combination of high frequency and multi-band radios and associated Communications Security. TRS provides the critical communications interface between SOF radios and combatant craft platforms (11 Meter Rigid Inflatable Boat and Special Operation Craft-Riverine).

7. Tactical Local Area Network (TACLAN). The TACLAN program provides SOF operational commanders and forward deployed forces advanced automated data processing and display capabilities to support situational awareness, mission planning and execution, and command and control of forces. The TACLAN program consists of TACLAN Suites, Mission Planning Kits (MPK) and Field Computing Devices (FCD). Each TACLAN Suite consists of three easily transportable, multiple integrated networks, 60 general use laptops and 10 intelligence laptops. A TACLAN network contains commercial servers, routers, and hubs which can operate at user selectable classification levels, [e.g., unclassified, collateral, coalition or Sensitive Compartmented Information (SCI) networks.] An MPK consists of laptop computers and ancillary equipment used by SOF teams for detailed mission planning. FCDs are small hand-held computing devices used by the most forward deployed SOF to automatically interface with the TACLAN suite via tactical communications. Program increased by FY 2006 Title IX funds. Starting in FY 2009, TACLAN funding moves to the SOF Automation Systems P-1 Line Item.

ABOVE OPERATIONAL ELEMENT (GARRISON)

8. Command, Control, Communications, Computers, and Intelligence (C4I) Automation Systems (C4IAS). C4IAS is a garrison infrastructure directly supporting the Command's global mission by providing a seamless and interoperable interface with SOF, DOD, and Service information

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<p>systems. It provides the capabilities to exercise command and control and collaboration, process and share intelligence data, and facilitate mission planning and the operational preparation of the battlespace, connecting numerous data repositories while maintaining information assurance. Additionally, it provides the critical reachback for SOF tactically deployed local area networks/wide area networks. Command, Control, Communication, Computer and Intelligence Automation System (C4IAS) is composed of state-of-the-art networking devices (firewalls, routers, switches, hubs, and modems), servers, storage devices, workstations and associated peripherals. Supporting a myriad of SOF user requirements, the program uses a variety of government-off-the-shelf/commercial-off-the-shelf software and databases to ensure interoperability between SOF units. Starting in FY 2009, C4IAS funding moves to the SOF Automation Systems P-1 Line Item.</p> <p>9. SCAMPI. SCAMPI is the telecommunications system that disseminates C4I information between Headquarters (HQ) USSOCOM, SOF deployed forces, component commands and major subordinate units, the Theater Special Operations Commands (TSOCs), and selected government agencies and activities directly associated with the special operations community. SCAMPI is not an acronym--it is the term identified with this enterprise telecommunications capability. SCAMPI is the principal C4I medium to SOF units for SOF garrison and all tactical systems from the SOFTACS and TACLAN programs. SCAMPI provides secure voice, data, and VTC, on various classification levels, to world-wide deployed and strategic SOF locations; Operational SCAMPI equipment provides four-hour global C and X-Band satellite service to deployed SOF units; rapid secure communications to SOF Special Mission Units; and access to Defense Information Systems Agency, Central Intelligence Agency, Defense Intelligence Agency, National Security Agency, Department of Energy, National Reconnaissance Organization, and SOF specific information services. This program is undergoing technological migration to remain standards compliant and to improve interoperability with DOD by transitioning to Defense Information Systems Network (DISN) transport services where available. Program increased by FY 2003, FY 2005, FY 2006 and FY2007 Supplemental Funds.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures 12 critical node replacements/retrofits for garrison sites, 3 tactical gateways, and 1 new node installation.</p>		

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10. Video Teleconferencing (VTC). The VTC program provides new communications media for Command, Control (C2) that allow military commanders and distant subordinate commands and tactical forces to come together electronically, face-to-face, in a fully interactive two-way audio/video environment. VTC systems utilize bandwidth-on-demand as required for both point-to-point and multipoint conferencing. USSOCOM VTC systems provide real-time positive command and control for planning and execution of the command's global missions, contingencies, and exercises; distance learning; administrative coordination and collaboration; and telemedicine. The garrison/deployable VTC network currently consists of interoperable, JTA-compliant systems operating at 384 Kbps via the SCAMPI network [both collateral and Sensitive Compartmented Information (SCI)], linking HQ USSOCOM, Joint Special Operations Command, TSOCs, component commands, and SOF units. SOF VTC capabilities can be extended by interfacing via video gateways to the JWICS and the DISN Video Services System.

FY 2009 PROGRAM JUSTIFICATION: Procures three critical multipoint conferencing units (MCU)s replacements.

11. Multiband Inter/Intra Team Radio (MBITR). The MBITR provides a lightweight, handheld, inter/intra team communications capability with embedded Type 1 COMSEC for the SOF warfighter. SOF teams conduct air, ground and maritime missions across the entire operational spectrum. Prior to the development of the MBITR, these missions required SOF teams to carry multiple handheld and manpack radios operating in various frequency bands to ensure positive communications capability. The MBITR provides each of these frequency bands in a single, handheld radio with embedded COMSEC, and significantly reduces the combat load of the SOF warfighter. The program also acquires performance enhancements to meet emergent requirements and ensures compliance with evolving JTRS standards. Program increased by FY 2005 and FY 2007 Supplemental funds. Starting in FY 2009 MBITR funding moves to the SOF Tactical Radios P-1 Line Item.

12. Special Mission Radio System (SMRS). SMRS provides voice and data communication in either a manpack (AN/PRC-137F) or base station configuration (AN/TRQ-43G). It is designed to operate on a user-selected frequency from 2 to 60 MHz as a dual band high frequency (HF) and low-band very high frequency (VHF) beyond Line-of-Sight (BLOS) radio. SMRS supports general purpose and special reconnaissance missions with embedded COMSEC capability, conventional military standard Automated Link Establishment, and low probability of

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intercept/detection (LPI/D) waveforms. The AN/PRC-150 is another HF radio that fulfills the SMRS requirements but without the LPI/D waveforms. It operates on frequencies from 1.6 to 60 MHz, supplies BLOS voice and data communications, and has embedded certified COMSEC capability. Program increased by FY 2006 Supplemental funds. Starting in FY 2009 SMRS funding moves to the SOF Tactical Radios P-1 Line Item.

13. PSYOP Unmanned Aerial Vehicle Payload. The Joint Tactical C4I Transceiver System (JTCITS) will be a next-generation variant to the ROVER III system which was funded in FY06 as a Combat Mission Requirement (CMR). These systems will consist of a display device and Internet Protocol (IP) based transceivers, network access point transceivers, antenna trackers and multi-band testers.

FY 2009 PROGRAM JUSTIFICATION: Funds 78 Joint Tactical C4I Transceiver System display devices.

14. Warfighter XP Mission Support Equipment. Enhances human effectiveness through procurement of extremely durable, ultra-small, lightweight, personal "hand-top" computers. This program was funded by a FY 2007 Congressional Add.

15. Forward Deployed Equipment Kits (FDEK) . FDEK consist of SOF Peculiar equipment identified by SOF and Theater Commanders as required to support SOF within various theaters supporting the GWOT mission. The equipment will remain in theater for use by rotating units. Sourcing the FDEK will reduce strategic lift, provide critical infrastructure and improve readiness. This program was funded by FY 2007 Supplemental funds.

16. Marine Special Operations Command (MARSOC) BRITE M22 Imagery. Enhances imagery dissemination through procurement of satellite broadcast systems. This program was funded by a FY 2007 Congressional Add.

FY 2007 funding total included \$78.342 million received in supplemental.

Exhibit P-40A, Budget Item Justification for Aggregated Items COMMUNICATIONS EQUIPMENT & ELECTRONICS	Date: FEBRUARY 2008
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Appropriation/Budget Activity - 0300/BA2

Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
1. MULTI-BAND/MULTI MISSION RADIO												
A. Manpack Hardware	Raytheon; Ft. Wayne, IN		4,804	110,344								
B. Fixed Mount Hardware (various configurations)	Raytheon; Ft. Wayne, IN		335	16,015	12	600	71	4,013				
C. Ancillary Equipment/Training	Raytheon; Ft. Wayne, IN			9,550								
D. Warranty			2,404	1,503								
Subtotal				137,412		600		4,013				
2. MINIATURE MULTI-BAND BEACON (MMB)												
A. PME - MMB	Sierra Monolithic, Inc, CA		567	8,461	993	8,900						
(1) Initial Spares	Sierra Monolithic, Inc, CA				18	2,918						
Subtotal				8,461		11,818						
3. SOF TACTICAL ASSURED CONNECTIVITY SYSTEM (SOFTACS)												
A. SDN (SOF Deployable Nodes) DMCS (Deployable Multi-channel SATCOM) Heavy												
(1) Deployable Multi-Channel SATCOM (DMCS) Terminals	Space and Naval Warfare Systems Center, Charleston, SC		42	30,644	1	655	1	845				
(2) DMCS SOF Deployable Nodes (SDN)	Space and Naval Warfare Systems Center, Charleston, SC		45	24,677	1	605	1	791				
(3) IP Convergence	Space and Naval Warfare Systems Center, Charleston, SC					25,800						
(4) Initial Spares/Repair Parts								789				
(5) Capital Equip Replacement Program (CERP)								6,544				
(6) Initial Training								317				
B. SDN-Medium												
(1) SDN-Medium Spoke	Space and Naval Warfare Systems Center, Charleston, SC		57	22,030	11	5,907	20	18,272				
(2) Initial Spares/Repair Parts								3,831				
(3) Initial Training								1,636				
C. Evolutionary Technology Insertions												
Subtotal	Space and Naval Warfare Systems Center, Charleston, SC			15,232		704		10,696				
Subtotal				92,583		33,671		43,721				
4. SOF Deployable Node (SDN)												
A. SDN Heavy												
(1) CERP									8	2,061		
(2) ETI's										14,840		
(3) Initial Spares/Repair Parts										4,141		
(4) Initial Training										1,269		
B. SDN Lite												
(CERP)									192	11,794		
										173		

Exhibit P-40A, Budget Item Justification for Aggregated Items COMMUNICATIONS EQUIPMENT & ELECTRONICS	Date: FEBRUARY 2008
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Appropriation/Budget Activity - 0300/BA2											
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Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
C. SDN Medium									30	9,399		
(2) Initial Spares/Repair Parts										2,057		
(4) Initial Training										893		
Subtotal										47,135		
5. JOINT BASE STATION (JBS)												
A. Variant 2 Hardware/RIS	NAWCAD, Patuxent River, MD		50	105,507	2	3,747	2	3,112				
(1) Initial Spares/Repair Parts								52				
(2) Initial Training								15				
B. Variant 4 Production/RISL	NAWCAD, Patuxent River, MD						25	9,669				
(1) Initial Spares/Repair Parts								260				
(2) Initial Training								48				
C. Variant 3 Upgrade					1	592						
(1) Hardware	NAWCAD, Patuxent River, MD		103	20,249	28	113						
Subtotal				125,756		4,452		13,156				
6. Tactical Radio Systems	NAWCAD, Patuxent River, MD						8	715				
7. TACTICAL LOCAL AREA NETWORK (TACLAN)												
A. PME - FCDs	iGov Technologies, Tampa, FL		1,447	5,118	814	5,272	819	5,112				
B. PME - TACLAN Suites	iGov Technologies, Tampa, FL		76	18,235	8	6,647	11	7,005				
(1) Block II CERP	iGov Technologies, Tampa, FL			4,507	39	6,541	5	970				
C. PME - Laptops	iGov Technologies, Tampa, FL		2,500	5,772	543	1,412	544	1,283				
D. Miscellaneous Tactical ADP	iGov Technologies, Tampa, FL			4,264		3,500		1,495				
E. Classified						1,295						
Subtotal				37,896		24,667		15,865				
8. COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS AND INTELLIGENCE AUTOMATION SYSTEM (C4IAS)												
A. Evolutionary Technology Insertions (ETI's)												
(1) Network Re-Engineering - SIPR	Multiple			19,674		2,630		6,350				
(2) Network Re-Engineering - NIPR	Multiple			23,016		1,397		3,400				
(3) Network Re-engineering - SMU	Multiple			18,674		4,887						
(4) Network Expansion				34,631		5,134		9,231				
(5) Classified Requirements	Multiple			3,535		3,386						
SIPR Classified Integration								16,413				
B. DCGS	Multiple							2,878				
Subtotal				99,530		17,434		38,272				

Exhibit P-40A, Budget Item Justification for Aggregated Items COMMUNICATIONS EQUIPMENT & ELECTRONICS	Date: FEBRUARY 2008
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Appropriation/Budget Activity - 0300/BA2											
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Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
9. SCAMPI												
A. Node Relocation	Space and Naval Warfare Systems Center, Charleston, SC		27	8,026								
B. Node Optimization/Retrofits/CERP	Space and Naval Warfare Systems Center, Charleston, SC		52	18,530	6	2,204	10	6,372	12	7,868		
C. SDN Lite	Space and Naval Warfare Systems Center, Charleston, SC		20	3,046	121	6,650	76	4,205				
D. COMSEC Suite Upgrades/Retrofits	Space and Naval Warfare Systems Center, Charleston, SC		53	2,065								
E. Red Switch Upgrade	Space and Naval Warfare Systems Center, Charleston, SC		9	4,152			1	6,455				
F. Tactical Gateways (New/Upgrades)	Space and Naval Warfare Systems Center, Charleston, SC and Naval Air Systems Command St Inigoes, MD		6	5,078								
(1) SOCOM Strategic Entry Points (SSEP) Install	Space and Naval Warfare Systems Center, Charleston, SC and Naval Air Systems Command St Inigoes, MD				6	16,200	4	11,101				
(2) SSP CERPS	Space and Naval Warfare Systems Center, Charleston, SC								3	3,916		
G. Node - New Site	Space and Naval Warfare Systems Center, Charleston, SC		6	10,595					1	1,306		
H. Component/Services Network Upgrades	Naval Air Systems Command St Inigoes, MD				4	4,200						
Subtotal				51,492		29,254		28,133		13,090		
10. VIDEO TELECONFERENCING (VTC)												
A. Garrison VTC	Tandberg, Mclean, VA		68	6,161			1	185				
B. Multipoint Conferencing Unit Garrison	Polycom, Andover, MA				1	888	3	1,520	3	1,452		
C. Deployable VTC	Tandberg, Mclean, VA		13	550			2	87				
D. Tactical Gateways (Ancillary Equipment)	Open Competition											
Subtotal				6,711		888		1,792		1,452		
11. MULTI-BAND INTER/INTRA TEAM RADIO												
A. Urban Radio Hardware	Thales Comm Inc., Clarksburg, MD		6,801	32,623	19	133	1,201	13,332				
B. Maritime Radio Hardware	Thales Comm Inc., Clarksburg, MD		2,381	11,650	126	880	314	3,856				
C. Ancillary Equipment	Thales Comm Inc., Clarksburg, MD			26,090		1,122		1,351				
D. NRE/ECO/Training/Warranty	Thales Comm Inc., Clarksburg, MD			5,570				450				
Subtotal				75,933		2,135		18,989				
12. SPECIAL MISSION RADIO SYSTEM (SMRS)												
A. Manpack Radio PRC-150	Harris, Rochester, NY		1,122	2,722	20	440	52	1,105				

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APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS
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	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	458.147	49.099	116.796	54.122	72.081	68.737	66.536	64.408

MISSION AND DESCRIPTION: The Special Operations Forces (SOF) Intelligence Systems line item includes all SOF intelligence. This project provides for the identification, development, and testing of SOF intelligence equipment to identify and eliminate deficiencies in providing timely intelligence to deployed forces. Sub-projects address the primary areas of intelligence dissemination, sensor systems, integrated threat warning to SOF mission platforms, and tactical exploitation of national system capabilities. The systems procured in this line item are Special Operations Command, Research, Analysis and Threat Evaluation System (SOCRATES), Special Operations Tactical Video System (SOTVS), Joint Threat Warning System (JTWS), Tactical Local Area Network (TACLAN), the Special Operations Joint Interagency Collaboration Center (SOJICC), Locating, Tagging, and Tracking for Global War on Terror (LTTG) formerly called Hostile Forces Tagging, Tracking, and Locating, Distributed Common Ground Systems (DCGS), and Sensitive Site Exploitation (SSE). The associated RDT&E funds are in Program Element 1160405BB and 0305208BB.

USSOCOM has developed an overall strategy to ensure that Command, Control, Communications, Computers, and Intelligence (C4I) systems continue to provide SOF with the required capabilities into the 21st century. USSOCOM's C4I systems comprise an integrated network of systems providing positive command and control and the timely exchange of intelligence and threat warning 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 with the Global Information Grid (GIG). The GIG allows SOF elements to operate with any force combination in multiple environments. The intelligence programs funded in this procurement line will meet annual emergent requirements and are grouped by the level of organizational element they support: Operational Element (Team) and Above Operational Element (Garrison).

OPERATIONAL ELEMENT (TEAM)

1. JTWS. JTWS is an Evolutionary Acquisition program that provides threat warning, force protection, enhanced situational awareness, and target identification/acquisition information to SOF via signal intercept, direction finding and Signals Intelligence (SIGINT). JTWS will employ continuing technology updates to address the changing threat environment. SOF SIGINT operators are globally deployed and fully embedded within Special Operations (SO) teams and aircrews in every operational environment. The Joint Threat Warning System (JTWS) state-of-the-art

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<p>technology enables these operators to provide critical time sensitive targeting and actionable intelligence to the operational commander during mission execution. Intelligence derived from JTWS operations supports campaign objectives and the National Military Strategy. JTWS provides variant systems utilizing common core software that allows operators to task, organize, and scale equipment based on anticipated signal environments and areas of operation. Systems will be modular, lightweight with minimal power requirements, and configurable to support body worn, man-pack, team-transportable, remote unattended, and air and maritime operations in support of all SOF missions. Each JTWS variant except Team Transportable will be capable of operation by a single trained operator. The five variants are Ground SIGINT Kit (GSK), Team Transportable (TT), Air, Maritime, and Precision Geo-location (PGL). Program increased by FY 2006 Title IX, Congressional Plus-up and FY 2004, FY 2006, FY 2007, and FY 2008 Supplemental funds.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures 7 Ground SIGINT Kits Increment Two and one team transportable.</p> <p>2. Special Operations Tactical Video System (SOTVS). SOTVS/Reconnaissance Surveillance Target Acquisition (RSTA) program employs an EA strategy to meet SOF reconnaissance and surveillance mission requirements. The program consists of a family of interoperable digital Commercial-Off- the-Shelf (COTS) systems to capture and transfer near-real-time day/night tactical ground imagery utilizing SOF organic radios and global C4I infrastructure. The program provides the capability to forward digital imagery in near-real-time via current or future communications systems [i.e., land line, High Frequency (HF), Very High Frequency (VHF), and Satellite Communications radios] in support of surveillance and reconnaissance missions. This man-packable tactical system consists of digital still cameras, ruggedized laptop computers with image manipulation software and data controller. Program increased by FY 2003, FY 2005, FY 2006, FY 2007, and FY 2008 Supplemental Funds.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures 10 RSTA Remote Observation Posts, 10 RSTA Tactical Reconnaissance Kits, 10 RSTA Sensor Kits, 6 Short Range Infrared Cameras, and 41 Enhanced Night Vision Camera Kits.</p> <p>3. Tactical Local Area Network (TACLAN). TACLAN provides SOF operational commanders and forward deployed forces advanced automated</p>		

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APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	
<p>data processing and display capabilities to support situational awareness, mission planning and execution, and command and control of forces. TACLAN consists of TACLAN Suites, Mission Planning Kit, and Field Computing Devices. Each TACLAN Suite consists of three easily transportable, multiple integrated networks; 60 general use laptops, and 10 intelligence laptops. A Tactical Local Area Network (TACLAN) network contains commercial servers, routers, and hubs that can operate at user selectable classification levels (unclassified, collateral, coalition or sensitive compartmented information (SCI) networks). An Mission Planning Kit consists of laptop computers and ancillary equipment used by SOF teams for detailed mission planning. Field Computing Devices are small hand-held computing devices used by the most forward deployed SOF to automatically interface with the TACLAN suite via tactical communications. Program increased through FY 2007 and FY 2008 congressional plus up.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures one TACLAN Suites and three capital equipment replacement program full suite.</p> <p>ABOVE OPERATIONAL ELEMENT (GARRISON)</p> <p>4. Special Operations Command Research, Analysis Threat Evaluation (SOCRATES). SOCRATES is a garrison SCI intelligence automation architecture directly supporting the Command's global mission by providing a seamless and interoperable interface with SOF, Department of Defense, national, and service intelligence information systems. It provides the capabilities to exercise command and control, planning, collection, collaboration, data processing, video mapping, a wide range of automated intelligence analysis, direction, intelligence dissemination, imagery tools and applications, to include secondary imagery dissemination, as well as news and message traffic. The program ensures intelligence support to mission planning and the intelligence preparation of the battlespace by connecting numerous data repositories while maintaining information assurance. SOCRATES supports Headquarters USSOCOM, its component commands, Theater Special Operations Commands and forward based SOF units. Additionally, it provides the critical reach-back for SOF tactically deployed Local Area Networks/Wide Area Networks. SOCRATES is composed of state-of-the-art networking devices (firewalls, routers, switches, hubs, and modems), servers, storage devices, workstations, associated peripherals and Government Off the Shelf /Commercial Off the Shelf software. Program increased by FY 2003, FY 2004, FY 2005, FY 2006, and FY2008 Supplemental Funds.</p>		

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<p>FY 2009 PROGRAM JUSTIFICATION: Continues procuring next generation technology insertions for the SOCRATES program. Additionally, procures network expansion of 60 workstations for the Center for Special Operations.</p> <p>5. Special Operations Joint Interagency Collaboration Center (SOJICC). SOJICC is an Executive Agency program providing a state-of-the-art capability designed to process, analyze, visualize and collaborate operations and intelligence data supporting SOF core missions, with an emphasis on counter-terrorism, counter-proliferation, information operations, and unconventional warfare. SOJICC applications fuse data from both open source and classified intelligence and operational data for use by SOF mission planners and intelligence personnel as directed by the Commander, USSOCOM. SOJICC continues to employ technology updates to bridge the gap between operations and intelligence to support deliberate and crisis action planning while addressing the changing threat environment. Operational Preparation of the Environment provides a mechanism for research, awareness for pre-deployment, and a bridge to mitigate information gaps and seams between theaters.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures hardware, software, and data storage technology insertions. Hardware includes Clearcube Blade Workstations, Servers/Racks/UPS, SAN Storage, and HP Storage Works.</p> <p>6. Locating, Tagging, and Tracking for Global War on Terror (LTTG) formerly called Hostile Forces Tagging, Tracking, and Locating. LTTG provides global Combatant Commanders and SOF operators with and immediate capability to tag, track and locate people, things, and activities. LTTG provides actionable intelligence for SOF planners. The LTTG mission sets are systems which are comprised of a mix of different classes of tags and their associated detection, interrogation, viewing, tracking and communications systems including Global Positioning Satellite datalogger and radio frequency beacon capabilities, radar, passive and active infrared/ultra violet optical capabilities. Program increased by FY 2005, FY 2006, and FY 2008 Supplemental Funds and FY 2006 Congressional add.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures 10 mission sets and ancillary equipment and support.</p> <p>7. Distributed Common Ground System (DCGS). This program provides for the identification, development, and testing of the DCGS: The</p>		

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<p>DCGS SOF architecture interconnects the warfighter and sensors to find and fix terrorists and/or individuals. DCGS-SOF provides SOF leadership with situational awareness for planning and executing SOF missions. DCGS-SOF integrates tactical processing, exploitation, and dissemination data into the SOF Information Enterprise (SIE). DCGS-SOF develops and integrates SOF networks providing USSOCOM with unique decision capabilities to include: measurement and signature data, sensor exploitation, data compressions and man-portable workstations. DCGS-SOF provides the supporting architecture to link the Global Sensor Network (GSN) to those who will interpret the data for rapid transmission to collaborative partners via the SIE. DCGS-SOF will initially provide SOF with capabilities to conduct exploitation of Full Motion Video from unmanned aerial vehicle assets organic to SOF and will integrate and implement the DCGS Integration Backbone standards and architecture on the SOF Information Enterprise (SIE) that will support net-centric data sharing between SOF fixed, tactical capabilities, and sensors. In coming years, DCGS-SOF will expand to incorporate connectivity to attended and unattended sensors via the GSN. DCGS-SOF will employ non-developmental, commercial-and government-off-the-shelf hardware and software and will leverage from existing technology as much as possible. Program increased by FY 2007 Congressional add for Predator Intelligence and Operations to accelerate Process Exploit and Disseminate capabilities at Air Force Special Operations Command.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures 25 fixed Multimedia Analyst Archive System (MAAS) exploitation workstations, 4 deployable MAAS exploitation suites, 8 SOCRATES workstations, 2 SOCRATES enhanced imagery workstations, and ancillary equipment.</p> <p>8. Sensitive Site Exploitation (SSE). Working through liaison relationships formed with Geographic Combatant Commands, the Intelligence Community and Law Enforcement authorities in the United States and Allied partner nations, SOCOM will lead the formation of SSE teams that specialize in interrogation, forensics, biometric collection and identification, exploitation of electronic equipment, and document exploitation. SSE constitutes the follow-up portion of counterterrorism operations. SSE ensures rapid analysis, exploitation, and dissemination, of intelligence gained on-site, via Global Combating Terrorism Network, GSN, and DCGS-SOF. This intelligence will feed back into the system, resulting in additional target intelligence, or evidence that can be used to prosecute terrorist suspects. .</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures 284 biometric enrollment kits and 318 biometric identification kits.</p>		

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<p>9. Forward Deployed Equipment Kits (FDEK). Forward-Deployed Equipment Kits consist of SOF Peculiar equipment identified by SOF and Theater Commanders as required to support SOF within various theaters supporting the GWOT mission. The equipment will remain in theater for use by rotating units. Sourcing the FDEK will reduce strategic lift, provided critical infrastructure and improve readiness. Program was funded with FY 2007 Supplemental funds.</p> <p>10. Optimal Placement of Unattended Sensors. Procures commercial lightweight, modular, handheld, and sensor interface device software. This effort will provide the capability to identify the optimal placement of unattended ground sensors in support of SOF mission planning efforts. Program funded by FY 2008 Congressional add.</p> <p><i>FY 2007 funding total included \$5.120 million received in supplemental.</i></p> <p><i>FY 2008 funding total includes \$44.346 million received in Division L of the Consolidated Appropriations Act, 2008 (P.L. 110-161).</i></p>		

Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
1. Joint Threat Warning System (JTWS)												
A. Ground SIGINT Kits Increment 2	Space and Naval Warfare Systems Center, Charleston, SC						12	3,972	7	2,326		
(1) Capital Equipment Replacement Program								1,134		5,481		
B. Air Variant System Increment 1	Space and Naval Warfare Systems Center, Charleston, SC		13	3,878	17	5,513	12	5,575				
(1) Initial Spares/Repair Parts								1,336		1,529		
C. Platform Integration Kits	GA			2,451		2,040						
D. Air Variant ETI Rugged ENTR Device (RED)							12					
E. Team Transportable (TT) Variant	Space and Naval Warfare Systems Center, Charleston, SC								1	4,596		
F. GWOT Gap Filler Systems	Other Government Agency											
(1) Tethered					Var	3,200						
(2) SIGINT					Var	2,300						
G. Precision Geo Location	NSA				4	1,950	12	24,060				
H. Initial Training								118		141		
Subtotal				6,329		15,003		36,195		14,073		
2. SPECIAL OPERATIONS TACTICAL VIDEO SYSTEM (SOTVS)												
A. PME - Remote Surveillance Target Acq												
(1) Remote Observation Post	TSE Inc, Fayetteville, NC		96	5,452	13	780	20	1,066	10	597		
(2) Tactical Recon Kit	TSE Inc, Fayetteville, NC		117	3,489	13	420	20	710	10	297		
(3) Sensor Kit	TSE Inc, Fayetteville, NC		117	4,324	13	306	20	411	10	219		
(4) Short Range IR Cameras	TSE Inc, Fayetteville, NC		90	1,399	13	168			6	73		
B. PME - Digital Video/Still Camera Systems												
(1) Enhanced Night Vision Camera Kit	TSE Inc, Fayetteville, NC						33	314	41	385		
Subtotal				14,664		1,674		2,501		1,571		
3. TACTICAL LOCAL AREA NETWORK (TACLAN)												
A. PME - TACLAN Suites	iGov Technologies, Tampa, FL		29	3,818	6	3,088	4	2,308	1	694		
(1) Block II CERP	iGov Technologies, Tampa, FL		5	861	20	3,512						
(2) CERP (Full Suites)	iGov Technologies, Tampa, FL								3	1,965		
(3) Congressional Add						996						
B. Portable Intel Collection and Relay Capability	iGov Technologies, Tampa, FL			5,004								
C. PME - Laptops	iGov Technologies, Tampa, FL		412	1,853	894	4,131						
D. Miscellaneous Tactical ADP	iGov Technologies, Tampa, FL			1,754				235				
Subtotal				13,290		11,727		2,543		2,659		

Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
4. SOCRATES												
A. Technology Insertions												
(1) Block 6 Upgrade	Multiple			4,287		1,324						
(2) Block 7 Upgrade	Multiple			319		1,745						
B. Special Operations Intelligence System (SOIS)												
(1) SOIS Block 3 Upgrade	Multiple			565		1,736						
(2) SOIS Block 4 Upgrade	Multiple					3,551						
C. Enhanced Imagery Workstations	Multiple		51	5,763	5	375	14	1,050				
D. Desktop Workstation	Multiple		693	10,373	30	405	207	2,484				
E. Network Expansion	Multiple			23,496				7,932				
F. SOIS Workstation	Multiple				19	285	225	2,708				
G. Classified	Multiple			4,605		2,092		2,522				
H. Headquarters Expansion	Multiple					1,860	60	922	60	956		
I. Distributed Common Ground System (DCGS)	Multiple							3,318		50		
J. Evolutionary Technology Insertions	SPAWAR-SD			1,913				3,367		7,715		
Subtotal				51,321		13,373		24,303		8,721		
5. SOJICC												
A. Technology Insertions												
(1) FY07, SOF Intel Data Mgmt Sys (SIDMS) Spiral 1	Multiple			9,272		3,912		3,257		3,424		
(2) FY08 SIDMS Spiral 2												
(3) FY09 SIDMS Spiral 3												
Subtotal				9,272		3,912		3,257		3,424		
6. Locating, Tagging, and Tracking for Global War on Terror												
A. Hardware												
B. Mission Sets	Various		10	22,512		2,190	12	13,285	10	14,457		
C. Active Sentinel	Various							14,750				
Subtotal				22,512		2,190		28,035		14,457		
7. DCGS												
A. Servers	Multiple						12	2,236				
B. Video Processing Equipment (MAAS)	Multiple						33	1,535				
C. Fixed Exploitation Workstations (MAAS)	Multiple						48	2,361	25	1,218		
D. Deployable Exploitation Workstations (MAAS)	Multiple						8	1,212	4	618		
E. DCGS Integration Backbone (DIB)	Multiple						10	3,000				
F. Storage	Multiple						2	898				
G. SOCRATES Workstation	Multiple						21	210	8	82		
H. SOCRATES Enhanced Imagery Workstation	Multiple						7	420	2	122		
I. Ancillary Equipment	Multiple							486		250		
Subtotal								12,358		2,290		

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APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
SMALL ARMS AND WEAPONS

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	691.159	192.184	201.397	15.689	30.089	29.501	4.341	12.839

Beginning in FY 2009 a new P-1 Line item was established for Special Operations Forces (SOF) Soldier Individual Protection and Survival Systems and SOF Visual Augmentation, Lasers and Sensors. FY 2009-2013 resources were moved from the Small Arms and Weapons P-1 Line item.

MISSION AND DESCRIPTION: The Small Arms and Weapons line item provides small arms and combat equipment in support of Special Operations Forces (SOF), to include: Army Rangers; Army Special Forces; Navy Sea, Air, Land teams; Navy Special Boat Units; Air Force Special Tactics Operators, and Marine Special Operations Command. This budget line procures a variety of weapons and equipment to include Advanced Lightweight Grenade Launcher (ALGL), Forward Deployed Equipment Kits (FDEK), Family of Sniper Detection Systems (FSDS), Family of Sniper Weapons, Heavy Sniper Rifle, Improved Night/Day Observation/Fire Control Device, Weapons Accessories, M4A1 SOF Carbine Accessory Kits, Night Vision Devices, Precision Laser Targeting Device, SOF Combat Assault Rifle, SOF Machine Guns, SOF Laser Acquisition Marker, Special Operations Advanced Tactical Parachute System, SOF Personal Equipment Advanced Requirements, and Combat Casualty Care Equipment Kit. The RDT&E funds are in Program Element 1160404BB and 1160477BB.

1. ALGL. The ALGL supports the SOF requirement for a vehicle and man-portable, high velocity grenade launcher. The ALGL system consists of the 40mm grenade launcher and fire control which provides target acquisition and ballistic solution. The fire control feeds ballistic solutions to the gun for accurate first round hits on target. The ALGL utilizes standard 40mm high velocity grenade ammunition and is fully compatible with pre-fragmented, programmable high explosive, air bursting ammunition. This program was increased by FY 2004, FY 2005, FY 2007 and FY 2008 Congressional adds, and FY 2006 and FY 2007 Supplemental funds.
2. FDEK. The FDEK facilitate increased unit readiness with pre-positioned SOF Soldier Systems common equipment items that stay in theatre. These kits are comprised of two categories of equipment, Theater Provided Equipment (TPE) and To-Accompany Troops. TPE is intended to provide the rotational unit with all the major end items required for their missions. This program was funded with FY 2007 Supplemental Funds.
3. Family of Sniper Detection Systems (FSDS). The FSDS allows SOF units to rapidly locate the position of hostile gunfire in real time, thus

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PROCUREMENT, DEFENSE - WIDE / 2P-1 ITEM NOMENCLATURE
SMALL ARMS AND WEAPONS

allowing operators counter fire. The FSDS will have the capability to detect and locate small arms fire from 5.56MM, 7.62MM, or .50 caliber weapons up to 1,200 meters. FSDS provides a capability to detect only the frequencies generated by projectiles. These bullet identification algorithms improve detection rates in urban areas. Foreign Comparative Testing funding and Congressional adds resourced operational test and production of 162 gunfire detection systems. Program moves to the SOF Soldier Visual Augmentation, Lasers and Sensor Systems P-1 beginning in FY 2009.

4. Family of Sniper Weapons (FSW) (formerly Heavy Sniper Rifle). Program provides the Family of Sniper Rifles for SOF. Family consists of the Mark 12 Special Purpose Rifle (5.56mm), MK11 Sniper Support Rifle (7.62mm), MK13 (300 Winchester Magnum) and the MK15 (caliber 50) rifles. Rifles provide SOF with flexibility for all SOF environments and ranges up to 1500 meters. Precision Sniper Rifle (PSR) will provide quantum leap in anti-personnel engagements capability to the SOF warfighter. PSR will replace the .300 WinMag ammunition with .338 ammunition. Future Anti-Materiel Rifle will provide equitable performance against hard targets. Program was increased by FY 2005, FY 2006, and FY 2007 Supplemental funds.

FY 2009 PROGRAM JUSTIFICATION: Procures 75 PSR Systems.

5. Ground Mobility Visual Augmentation System (GMVAS). The GMVAS is a family of three modules that are mounted on various SOF vehicles. The GMVAS-Driver module assists the driver with both forward and rearward observation while operating the vehicle. The GMVAS Short Range module provides 360 degree coverage with a pan and tilt camera system for the protection of the crew inside the vehicle. The GMVAS Long Range is a long range thermal camera mounted on the rear of the vehicle on an inflatable, retractable mast. The GMVAS Long Range provides long range surveillance, reconnaissance, and target detection. Program was increased by FY07 Supplemental funds. Program moves to SOF Soldier Visual Augmentation, Lasers and Sensor Systems P-1 beginning in FY 2009.

6. Improved Night/Day/Observation/Fire Control Device (INOD). The INOD provides the SOF sniper with a lightweight, low signature, fire control and observation device that allows the sniper to detect, acquire, and engage targets out to the weapon's maximum effective range under

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<p>day/night conditions. The INOD allows the sniper to go from day to night operations without re-zeroing. Program was increased by FY 2002, FY 2003, FY 2004, FY 2005, and FY 2006 Congressional adds and FY 2005 and 2007 Supplemental funds. Program moves to SOF Soldier Visual Augmentation, Lasers and Sensor Systems P-1 beginning in FY 2009.</p> <p>7. Weapons Accessories (formerly (M4MOD). The M4MOD program, renamed Weapons Accessories, provides weapon accessories for all SOF weapons, enabling the operator to tailor the configuration of the weapon to the assigned mission and operational environment. The M4MOD Block I consists of a 4X day scope, 40MM quick attach/detach grenade launcher w/sight, a forward handgrip, infrared laser aiming light/illuminator, visible aiming light, flashlight, suppressor, close quarters battle sight, rail interface system, and night scope. Block II items include the grenade launcher day/night sight mount, family of muzzle brake suppressors, shot counter and mini day/night sight system. The components of the accessory kit enhance the accuracy and target acquisition of all SOF weapons, translating directly into increased mission accomplishment and survivability of the SOF operator. Program was increased by FY 2003, FY 2004, FY 2005, FY 2006, and FY 2007 Supplemental funds. Program was increased by FY 2004, FY 2005, FY 2006, FY 2007 and FY 2008 Congressional adds.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures 33 rail interface systems, 493 Close Quarter Battle Enhanced Combat Optical Sights (ECOS-CQB), 564 Enhanced Combat Optical Sights (ECOS-C), 428 Image Intensified Clip-On Night Vision Devices (CNVD-I2), 275 Thermal Clip-On Night Vision Devices (CNVD-T), 19 CNVD-Fused Image Devices, 619 Advanced Tactical Precision Illuminator Aiming Lasers (ATPIALs), and 615 Third Generation Visible Bright Lights (VBL III), various Family Muzzle Brake Suppressors (FMB) and provides production support.</p> <p>8. Night Vision Devices (NVD). The NVD program provides SOF operators with advanced replacements/upgrades to legacy night vision equipment. Examples are binoculars, laser range finders, and laser pointers / illuminators. Program was increased by FY 2005 and FY 2006 Congressional adds, and FY 2005 and 2007 Supplemental funds. Program moves to SOF Soldier Visual Augmentation, Lasers and Sensor Systems P-1 beginning in FY 2009.</p> <p>9. Precision Laser Targeting Device (PLTD). PLTD is a combined binocular system with a laser range finder to allow the detection and</p>		

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SMALL ARMS AND WEAPONS

observation of targets. The range finder will calculate the Global Positioning System location of the target for identification and targeting purposes. The PLTD will be night vision capable for 24-hour operations. The system will calculate range, distance, azimuth, and inclination of target. Program moves to SOF Soldier Visual Augmentation, Lasers and Sensor Systems P-1 beginning in FY 2009.

10. SOF Combat Assault Rifle (SCAR). SCAR is a weapon replacement for the current M4A1 Assault Rifle. SCAR is a 5.56mm (SCAR-L) and a 7.62mm (SCAR-H) weapon that will have modular barrel lengths to ensure versatility to mission requirement. Objective is a single weapon capable of complete caliber modularity. Additionally, the Enhanced Grenade Launcher Module (EGLM) will provide SOF with a 40mm shoulder fired capability. EGLM is compatible with both SCAR-H and SCAR-L. Replaces M4A1 Carbine, MK18 (CQBR), MK12 (SPR), MK11 (SSR), M14 and M203. Program was increased by FY 2007 Supplemental funds.

FY 2009 PROGRAM JUSTIFICATION: Procures 496 SCAR-Ls and 230 SCAR-Hs, 243 EGLMs and provides for production support.

11. SOF Machine Gun (SMG). The SMG program contains two lightweight machine guns. The MK 46 MOD0 (5.56MM) is a lightweight (11.5 lbs.), man-portable, highly reliable, corrosion resistant, belt fed, air-cooled machine gun capable of addressing area targets at ranges out to 600 meters. The weapon fires 5.56MM North Atlantic Treaty Organization (NATO) standard rounds and is fully compatible with the M4MOD. The MK48 MOD0 (7.62MM) provides a compact (18 lbs.), highly reliable, offensive/defensive 7.62MM weapon system that provides operational units the capability to project a significant level of firepower, while simultaneously reducing soldier load. The MK48 is capable of effectively engaging personnel and area targets at long ranges using 7.62MM NATO ammunition currently in the DOD inventory. The MK48 is also compatible with the M4MOD.

FY 2009 PROGRAM JUSTIFICATION: Procures 174 MK 46s and 80 MK 48s for life cycle replacement, and provides for production support.

12. SOF Laser Acquisition Marker (SOFLAM): The AN/PAS-21 is a thermal imager that provides a night vision capability to the SOFLAM. This system is specifically gated and tuned to view the invisible laser spot of the SOFLAM for use in designating laser guided bombs onto targets.

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The SOFLAM is a Laser Target Designator with range finding capability. The SOFLAM allows SOF users to conduct close air support and air interdiction missions through the terminal guidance of laser guided munitions. This program was increased by an FY 2007 Congressional add, FY 2006 and FY 2007 Title IX funds, and 2007 Supplemental funds. Program moves to SOF Soldier Visual Augmentation, Lasers and Sensor Systems P-1 beginning in FY 2009.

13. Special Operations Advanced Tactical Parachute System (SOFTAPS). SOFTAPS / MC-6 is a complete maneuverable static line parachute system designed to operate in the full spectrum of SOF operational environments, providing operators with a reliable system that performs with reduced opening shock, lower rate of descent, quicker turn time and turning radius, improved parachute harness, and a more reliable reserve parachute. The MC-6 is the eventual static line parachute of the SOF community. The operational requirements document requires the parachute to have a turn and glide capability that will allow the SOF operator some steering ability while descending to group together on small drop zones.

14. Special Operations Visual Augmentation (SOVAS) Hand Held Imager (HHI). The SOVAS HHI program has four independent modules: HHI-Pocket, HHI-Short Range, HHI-Mid Range, and HHI-Long Range. The various modules are categorized by detection range, weight, and size. This program was increased by an FY 2008 Congressional add. Program moves to SOF Soldier Visual Augmentation, Lasers and Sensor Systems P-1 beginning in FY 2009.

15. SOF Personal Equipment Advanced Requirements (SPEAR). SPEAR acquires items that provide SOF personnel required individual protection, survivability, load bearing and dismounted mobility capability for SOF missions. This program was increased by FY 2004, FY 2005, FY 2006, and FY 2007 Supplemental funds and FY 2006 Title IX funds. Additionally, the program received two Congressional adds in FY08 for Body Armor and Eye Protection. Program moves to SOF Soldier Individual Protection and Survival Systems P-1 beginning in FY 2009.

16. Tactical Combat Casualty Care Equipment (TCCCE). The TCCCE program is a technology transfer initiative that provides medical devices and equipment for the treatment of casualties in support of SOF. This initiative procures a variety of Food and Drug Administration approved medical items to include intravenous infusion devices, patient monitoring and assessment devices, emergency airway kits, and devices that

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<p>support patient management and enroute care capabilities. Program moved to SOF Soldier Individual Protection and Survival Systems P-1 beginning in FY 2009.</p> <p>17. Special Weapons Observation and Remote Direct-Action System (SWORDS). FY 2006 and FY 2007 Congressional adds procured SWORDS unmanned ground vehicles.</p> <p>18. Special Operations Visual Augmentation Binocular/Monocular (SOVAS B/M). The SOVAS B/M program procures various night vision goggles for SOF Operators. The current program buys the AN/PVS-15A Binocular Night Vision System. Additionally, this program includes the Fusion Goggle System which provides operators with binocular night vision devices that integrate an Image Intensification (I2) capability with the thermal imaging capability. These goggles allow the operator to detect threats obscured by smoke, dust and debris that current I2 systems are unable to see through. The Fusion Goggles program received a FY08 Congressional add. Program moves to SOF Soldier Visual Augmentation, Lasers and Sensor Systems P-1 beginning in FY 2009.</p> <p><i>FY 2007 funding total included \$57.805 million received in supplemental.</i></p> <p><i>FY 2008 funding total includes \$29.587 million received in Division L of the Consolidated Appropriations Act, 2008 (P.L. 110-161).</i></p> <p><i>FY 2008 funding totals do not include \$1.400 million in pending request for current FY 2008 supplemental requirements.</i></p>		

Exhibit P-40A, Budget Item Justification for Aggregated Items SMALL ARMS AND WEAPONS	Date: FEBRUARY 2008
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Appropriation/Budget Activity - 0300/BA2											
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Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
1. Adv Lightweight Grenade Launcher (ALGL)												
A. Production Support	NSWC Crane, Crane, IN			951		267						
B. ALGL Systems	General Dynamics, Burlington, VT		516	40,520	146	19,113	27	4,768				
Subtotal				41,471		19,380		4,768				
2. Forward Deployed Equipment Kits (FDEK)												
A. FDEK	Various					6,037						
B. Multi-Shot Grenade Launcher					176	1,993						
Subtotal						8,030						
3. Family of Sniper Detection System (FSDS)												
A. Pivot Observation Turret Systems	Metravib, France		6	1,141	12	2,400						
B. Production Support	ARDEC, Picatinny Arsenal			999		362						
Subtotal				2,140		2,762						
4. Family of Sniper Weapons (formerly Heavy Sniper Rifle)												
A. MK11 (7.62mm)	Knights, Vero Beach, FL		623	3,855	280	2,005						
B. MK12 (5.56mm)	NSWC Crane, Crane, IN		475	3,093	30	180						
C. MK13 (300 WINMAG)	NSWC Crane, Crane, IN		468	3,105	240	2,284						
D. Precision Sniper Rifle MK13	NSWC Crane, Crane, IN				154	1,075	262	1,573	75	455		
E. MK 13 Production Support	NSWC Crane, Crane, IN			676		825		216		63		
F. MK13 Weapon Sights	NSWC Crane, Crane, IN		410	624	264	421						
Subtotal				11,353		6,790		1,789		518		
5. Ground Mobility Visual Augmentation System (GMVAS) (formerly under Night Vision Device Program)												
A. GMVAS-Driver	TBD						50	1,000				
B. GMVAS-Short Range	TBD						20	1,000				
C. GMVAS-Long Range	TBD				73	12,057	6	980				
Subtotal						12,057		2,980				
6. Improved Night/Day Observation/Fire Control Device (INOD)												
A. INOD (Block II)	Knights, Vero Beach, FL		408	3,674	391	3,520	352	3,175				
B. Mounts and Day Scopes	McCain Industries, Seattle, WA		2,924	1,511	310	185						
C. Production Support	NSWC Crane, Crane, IN			10		25						
D. Acceptance Testing and New Equip Tng	NSWC Crane, Crane, IN					170						
Subtotal				5,195		3,900		3,175				

Exhibit P-40A, Budget Item Justification for Aggregated Items

SMALL ARMS AND WEAPONS

Date: FEBRUARY 2008

Appropriation/Budget Activity - 0300/BA2

Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
7. Weapons Accessories (formerly M4A1 SOF Carbine Accessory Kit)												
A. Production Support	NSWC Crane Div; Crane, IN			11,744		323						
B. Mini-Red Dot Aiming Device	Trijicon, Wixtom, MI		5,740	1,666	7,732	2,241						
C. Rail Interface System II (RIS)	TBD		6,719	2,050	5,231	6,205	33	10	33	9		
D. RIS Program Support	NSWC Crane Div; Crane, IN							2		2		
E. Enhanced Combat Optical Sight-Close Quarter Battle (ECOS-CQB)	ELCAN - Raytheon,		7,808	3,420	2,135	935	2,210	968	493	216		
F. ECOS-CQB Production Support	NSWC Crane Div; Crane, IN							74		15		
G. ECOS 1-4X	ELCAN - Raytheon,		5,321	5,008	4,919	4,629	2,087	1,962	565	532		
H. ECOS 1-4X Production Support	NSWC Crane Div; Crane, IN							77		25		
I. Clip-on Night Vision Devices-Image Intensified (CNVD-I2)	Litton EOS, Garland, TX		325	1,951	62	341	1,307	7,502	428	2,357		
J. CNVD-I2 Production Support	NSWC Crane Div; Crane, IN							653		517		
K. CNVD-I2 (CP)	Litton EOS, Garland, TX				706	3,884						
L. Clip-on Night Vision Device-Thermal (CNVD-	Insight Tech., Londonberry, NH		906	14,193	737	11,546	769	12,050	275	4,320		
M. CNVD-T Production Support	NSWC Crane Div; Crane, IN							582		515		
N. CNVD-T (CP)	Insight Tech., Londonberry, NH				143	2,241	190	2,980				
O. CNVD-Fused Image	TBD								19	494		
P. CNVD-F Production Support	TBD									28		
Q. Advanced Tactical Precision Infrared Aiming Laser (ATPIAL)	Insight Tech., Londonberry, NH		8,116	11,362	5,440	7,616	2,886	4,041	619	866		
R. ATPIAL Production Support	NSWC Crane Div; Crane, IN							575		190		
S. ATPIAL CP	Insight Tech., Londonberry, NH				2,774	3,884						
T. Family Muzzle Breaks and Suppressor-Carbine (FMBS-C)	TBD						513	231	533	240		
U. FMBS-C Production Support	TBD							10		25		
V. FMBS-Heavy	TBD						22	10	133	60		
W. FMBS-H Production Support	TBD							2		5		
X. FMBS-Pistol	TBD						25	10	137	62		
Y. FMBS-P Production Support	TBD							2		5		
Z. FMBS-Sniper	TBD						20	10	168	84		
AA. FMBS-S Production Support	TBD							2		8		
AB. Weapons Accessories Legacy	Various						44	22	50	25		
AC. Visible Bright Light III (VBL III)	Insight Tech., Londonberry, NH				2,800	563	2,250	450	615	123		
AD. VBL III Production Support	NSWC Crane Div; Crane, IN							41		4		
AE. Forward Hand Grip	Tango Down Mfr, Lavern, CA		13,076	1,347	56	4						
Subtotal				52,741		44,412		32,266		10,727		

Exhibit P-40A, Budget Item Justification for Aggregated Items
SMALL ARMS AND WEAPONS

Date: FEBRUARY 2008

Appropriation/Budget Activity - 0300/BA2

Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
8. Night Vision Devices (NVD)												
A. NVD Legacy Systems	Northrop Grumman, Apopka, FL							505				
B. Night Vision Goggles	Northrop Grumman, Tempe, AZ		4,400	33,038	900	6,000						
C. NV Weapon ancillary items and testing	Various			4,406		1,043						
Subtotal				37,444		7,043		505				
9. Precision Laser Targeting Device (PLTD)												
A. PLTD Block 1	Northrop Grumman, Apopka, FL						18	4,478				
Subtotal								4,478				
10. SOF Combat Assault Rifle (SCAR)												
A. SCAR Enhanced Grenade Launcher Module	TBD							50				
B. SCAR EGLM	Herstal, Belgium		283	850	443	1,331	1,541	4,625	243	728		
C. SCAR EGLM Production Support	Herstal, Belgium							257		41		
D. SCAR-H Ammo	TBD							20				
E. SCAR-H	Herstal, Belgium		1,192	3,219	915	2,470	3,015	8,142	230	619		
F. SCAR-H Production Support	Herstal, Belgium							264		19		
G. SCAR-L Ammo	TBD							60				
H. SCAR-L	Herstal, Belgium		1,515	3,638	1,798	4,315	6,756	16,214	496	1,191		
I. SCAR-L Production Support	Herstal, Belgium							559		94		
J. SCAR Production Support	Herstal, Belgium			682		1,255						
Subtotal				8,389		9,371		30,191		2,692		
11. SOF Machine Guns												
A. 5.56MM (MK46)	FN Mfg., Inc., Columbia, SC		1,357	7,466	32	177	179	988	174	957		
B. MK 46 Production Support	NSWC Crane, Crane, IN							10		60		
C. 7.62MM (MK48)	FN Mfg., Inc., Columbia, SC		360	3,063	44	378	100	840	80	675		
D. MK48 Production Support	NSWC Crane, Crane, IN			698		55		10		60		
Subtotal				11,227		610		1,848		1,752		
12. SOF Laser Acquisition Marker												
A. AN/PAS - 21 Thermal Sights	FLIR, Boston, MA		96	6,000	109	6,874						
B. AN/PEQ-1C Laser Designators	Northrop Grumman, Apopka, FL		18	1,499	118	10,000	104	8,808				
Subtotal				7,499		16,874		8,808				
13. SOF Advanced Tactical Parachute System												
A. MC-6 Parachute Systems	Mills Mfg., Inc., Asheville, NC		1,468	4,542	641	1,982	876	2,711				
B. T-11 Harness & Reserve Sub-Assemblies	Para-Flite Inc., Pennsauken, NJ			372		2,786						
C. Production Support	Mills Mfg., Inc., Asheville, NC			204		538						
Subtotal				5,118		5,306		2,711				

Exhibit P-40A, Budget Item Justification for Aggregated Items SMALL ARMS AND WEAPONS						Date: FEBRUARY 2008						
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
14. Special Operations Visual Augmentation Hand												
A. SOVAS HHI - Pocket	Insight Tech, Manchester, NH				1,074	8,592	62	496				
B. SOVAS HHI - Pocket (CP)							744	5,959				
C. SOVAS HHI - Short Range	Insight Tech, Manchester, NH						806	1,000				
D. SOVAS HHI - Mid Range	TBD						25	1,000				
E. SOVAS HHI - Long Range	FLIR Systems, Boston. MA						16	980				
Subtotal						8,592		9,435				
15. SOF Personal Equipment Advanced Reqmts												
Body Armor Load Carriage Systems												
A. Armor Plates	Ceredyne - Costa Mesa, CA		14,731		3,712	5,123	13,472	18,592				
B. Soft Armor	Safariland: Ontario CA		24,470		695	574						
C. Body Armor Vests	Eagle: Fenton/Safariland: Ontario		24,165		4,076	1,515	5,086	1,887				
D. Backpacks	Mystery Ranch:Bozeman/S O		9,313		1,463	790	13,558	7,050				
E. Load Carriage	Federal Procurement List		15,413		4,353	10,013	4,372	10,055				
F. Modular Supplemental Armor Protection	Safariland: Ontario CA		11,575		2,549	3,940	64	106				
G Body Armor (CP)							8,482	12,020				
Environmental Protection												
H. Protective Combat Uniform	NISH, Various Locations		16,008	20,417	7,513	11,473	7,950	12,139				
I. Special Operations Eye Protection (CP)							12,125	4,959				
J. Special Operations Eye Protection	Oakley (El Toro CA) Revision				12,868	5,240	11,771	4,791				
Modular Integrated Communications Helmet												
L. Helmets	Mine Safety Appliances, Pittsburg,		12,511				2,816	2,198				
M. Communications Headsets	Mine Safety Appliances, Pittsburg,		9,368		3,284	5,583	2,721	4,627				
Subtotal				46,643		44,251		78,424				
16. Tactical Combat Casualty Care Equip (TCCCE)												
A. TCCCE Medic Kits	Various				1,081	1,810	1,838	1,255				
B. TCCCE Kits Medics (Integration Assembly								31				
C. TCCCE Kits-Operators							3,717	3,367				
D. TCCCE Kits Operator (Int Assembly Test)								122				
E. Production Support								799				
Subtotal						1,810		5,574				
17. Special Weapons Observation and Remote Direct Action System												
A. Unmanned Ground Vehicles	Foster Miller, Waltham, Mass.		4	1,381	3	996						

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2008
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APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS							
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	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	73.789	2.798	2.932	1.265	1.966	1.121	.488	.503

MISSION AND DESCRIPTION: The Maritime Equipment Modification line item provides for MK V Special Operations Craft (SOC) maritime modifications. No associated RDT&E funds.

MK V SOC Modifications. Program provides Pre-Planned Product Improvements and engineering changes to baseline craft capabilities. Anticipated improvement and changes include but not limited to: sensors, computers, navigation systems, shock mitigation, situational awareness, ergonomic improvements and weapons subsystems.

FY 2009 PROGRAM JUSTIFICATION: Funds the MK V Enhanced Situational Awareness modification and the MK V Ergonomic modification.

BUDGET ITEM JUSTIFICATION SHEET						DATE: FEBRUARY 2008		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE / 2				P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS				
MODIFICATION SUMMARY								
<u>DESCRIPTION</u>	<u>Prior Years</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>
1. MK V Ergonomic Modifications			0.330	0.343	0.380	0.474	0.488	0.503
2. MK V Shock Mitigation	20.876	1.293						
3. MK V Next Generation Navigation		0.974						
4. MK V Enhanced Situational Awareness	0.504	0.531	0.902	0.922	1.586	0.647		
5. MK V Computer Modifications	2.490		1.700					
SUBTOTAL FOR MODS	23.870	2.798	2.932	1.265	1.966	1.121	0.488	0.503

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
SPECIAL APPLICATIONS FOR CONTINGENCIES

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	70.206	9.569	11.966	12.484	12.419	12.445	12.819	13.204

MISSION AND DESCRIPTION: The Special Applications for Contingencies (SAFC) Program develops and deploys special capabilities to perform intelligence surveillance and reconnaissance (ISR) for deployed Special Operations Forces (SOF) using non-traditional means. It provides a mechanism for SOF user combat evaluation of emerging technologies capable of detecting and locating fleeting targets. SAFC applies funding for relatively low cost solutions to provide remotely controlled system emplacement and data exfiltration from denied areas. This program also specifically addresses short lead-time contingency planning requirements that allow for test and evaluation of leading edge solutions to an emergent problem set based on requirements validated through a specific Joint Staff/OSD chartered approval process. The associated RDT&E funds are in Program Element 0304210BB.

1. SAFC: An executive Integrated Product Team at the National-level (Office of the Secretary of Defense and Joint Chiefs of Staff) provides oversight, validates requirements, and directs USSOCOM to fund requirements. This program procures expendable Unmanned Aircraft Systems (UAS) variants and related sensor payloads for intelligence, surveillance, and reconnaissance; and various items for emergent contingency requirements.

FY 2009 PROGRAM JUSTIFICATION: Procures 9 Medium/Long Range and Air Launched unmanned aircraft, 36 related UAS turrets/payloads, and contingency items.

2. DHIP: This program procures various equipment items.

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
SOF COMBATANT CRAFT SYSTEMS

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	114.213	30.080	20.499	18.795	16.393	19.428	19.937	20.366

MISSION AND DESCRIPTION: The Special Operations Forces (SOF) Combatant Craft Systems line item serves as the umbrella for all medium and light combatant craft programs. Currently, it incorporates the Rigid Inflatable Boat (RIB), the Special Operations Craft-Riverine (SOC-R), and the Combatant Craft Forward Looking Infrared Radar (CCFLIR) Program. The associated RDT&E funds are in Program Element (PE) 1160404BB and PE 1160484BB.

1. RIB. The program provides a short-range surface mobility platform for SOF insertion and extraction. The initial fielding was completed in FY 2002 and the boats have a seven-year service life. Therefore, the current program provides for replacement boats and ancillary equipment. This program received FY 2003 and FY 2005 Supplemental funds and FY 2006 Hurricane Katrina Supplemental funds.

FY 2009 PROGRAM JUSTIFICATION: Procures eight replacement RIB boats/trailers, two deployment packages, four prime movers, Government Furnished Equipment (GFE) Pre-Planned Product Improvement (P3I), and engineering changes for Naval Special Warfare Command (NSWC).

2. SOC-R. The armored riverine craft provides the capability to insert and extract SOF in the riverine environment. The Craft is capable of navigating coastal, restricted and shallow rivers, estuaries, bays and the littoral. It is also capable of carrying light organic arms and being transported and airdropped by C-130 aircraft. This program received FY 2006 Hurricane Katrina Supplemental funds and an FY 2008 Congressional Add for additional SOC-Rs.

FY 2009 PROGRAM JUSTIFICATION: Funds replacement of two SOC-R Craft, two prime movers, deployment packages, P3I (installation and integration of lightweight armor and Forward Looking Infrared Radar [FLIR]), engineering changes, and GFE.

3. CCFLIR. Program provides NSWC crafts with a day/night, high resolution, and infrared imaging capability to augment existing optical and radar sensors. The capability enhances the detection, recognition, identification and tracking of ships, small surface and near surface targets such as floating mines and low flying aircraft. This program received FY 2006 Hurricane Katrina and FY 2007 Supplemental funds.

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
SOF COMBATANT CRAFT SYSTEMS

FY 2009 PROGRAM JUSTIFICATION: Procures a common interchangeable FLIR capability for the NSW RIB and SOCR replacement craft.

4. Integrated Combat System. This was a Congressional add to procure enhanced situational awareness systems.

FY 2007 funding total included \$16.900 million received in supplemental.

Exhibit P-40A, Budget Item Justification for Aggregated Items
 SOF COMBATANT CRAFT SYSTEMS

Date: FEBRUARY 2008

Appropriation/Budget Activity -											
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009		
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	
1. Rigid Inflatable Boat *											
A. Boats/Trailers	U.S. Marine, Inc.; New Orleans, LA		66	40,361	8	5,723	8	5,846	8	6,001	
B. Deployment Packages/replacements	U.S. Marine, Inc.; New Orleans, LA		24	5,444	1	307	2	708	2	720	
C. Prime Movers	Fleet Tech Support Center, Atlantic, Washington, DC		47	4,930	4	348	4	360	4	360	
D. Engineering Changes	U.S. Marine, Inc.; New Orleans, LA			3,944		307		274		293	
E. Government Furnished Equipment (GFE)	Various			4,303		1,227		965		3,075	
F. Pre-Planned Product Improvement (P3I)				10,196		1,628		2,163		1,683	
G. Ancillary Equipment						1,529					
Subtotal				69,178		11,069		10,316		12,132	
2. Special Operations Craft - Riverine *											
A. Boats/Trailers/Armor	U.S. Marine, Inc.; New Orleans, LA		23	21,074			6	5,681	2	2,185	
B. Prime Movers	Fleet Tech Support Center, Atlantic, Washington, DC		17	1,437			2	180	2	182	
C. Engineering Changes	U.S. Marine, Inc.; New Orleans, LA			787		100		85		89	
D. Deployment Packages	U.S. Marine, Inc.; New Orleans, LA			1,907			1	110	1	116	
E. P3I	Various			6,814		700		1,249		1,215	
F. GFE	Various			1,242		315		397		402	
Subtotal				33,261		1,115		7,702		4,189	
3. Combatant Craft Forward Looking Infrared Radar System *											
A. Forward Looking Infrared Radar			18	7,022	43	16,900	7	2,481	7	2,474	
Subtotal			18	7,022	43	16,900	7	2,481	7	2,474	
4. Integrated Combat System											
						996					
Prior Year Funding											
				4,752							
*Note: Received Hurricane Katrina Supplemental Funds											
LINE ITEM TOTAL											
				114,213		30,080		20,499		18,795	

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2008
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APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SPARES AND REPAIR PARTS					
	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	214.738	5.016	3.626	3.272	2.552	2.635	2.515	3.158

MISSION AND DESCRIPTION: The Spares and Repair Parts line item consolidates spares and repair parts procured through the Air Force Stock Fund. No associated RDT&E funds.

Aircraft Initial Spares. This program finances both initial weapon system and aircraft modification spares for Special Operations Forces (SOF) fixed and rotary wing aircraft. Initial weapon system spares include new production spares, peculiar support equipment spares, upgrades to existing spares required to support initial operations of new aircraft, and increases in the inventory of additional end items. Aircraft modification spares include new spare parts required during the initial operation of modified airborne systems.

FY 2009 PROGRAM JUSTIFICATION: Per DOD policy and in accordance with Air Force policy, these funds reimburse the Air Force Stock Fund for SOF initial spares provisioned with Air Force Stock Fund obligation authority. Funding provides for the projected deliveries of initial spares for the SOF aircraft.

Exhibit P-18 Initial and Replenishment Spare and Repair Parts Justification					Date: FEBRUARY 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/0204SPARES			Weapon System VARIOUS		P-1 Line Item Nomenclature SPARES & REPAIR PARTS					
SPARES AND REPAIR PARTS	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
<u>INITIAL</u>										
AC-130U/H	6,558	1,675	120	124	131	405	127	106	cont.	9,246
C-130 MODS (VARIOUS)	2,014	1,800	359	370	696	777	278	428	cont.	6,722
INITIAL RSP	1,363	227	2,350	1,909	745	565	494	462	cont.	8,115
MC-130E/H	1,604	1,314	477	475	980	888	1,616	2,162	cont.	9,516
MISC AVIONICS	2,116		320	394						2,830
PRIOR YEAR	201,083									201,083
TOTAL INITIAL	214,738	5,016	3,626	3,272	2,552	2,635	2,515	3,158		237,512
<u>REPLENISHMENT</u>										
TOTAL REPLENISHMENT										
LINE ITEM TOTAL	214,738	5,016	3,626	3,272	2,552	2,635	2,515	3,158		237,512
Remarks: Funded initial spares - \$237,512K.										
Repair Turnaround Time - Various										

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2008		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE TACTICAL VEHICLES					
	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	118.763	269.942	26.998	3.702				
<p>MISSION AND DESCRIPTION: Special Operations Forces (SOF) ground tactical vehicles are used for Counter-Proliferation, Foreign Internal Defense, Special Reconnaissance, Direct Action, and Unconventional Warfare missions, and serve as a weapons platform throughout all areas of the battlefield and/or mission area. Included are All Terrain Vehicles (ATVs), Ground Mobility Vehicles (GMVs), Non-Standard Commercial Vehicles (NSCV), Medium Mine Protected Vehicles (MMPV), Mine Resistant Ambush Protected (MRAP) vehicles and Forward Deployed Equipment Kits (FDEK). These tactical vehicles are highly effective in executing Operation Enduring Freedom (OEF) and Operation Iraqi Freedom (OIF) missions, and will continue to support the Global War on Terrorism (GWOT). The associated RDT&E funds are in Program Element 1160404BB and 1160480BB.</p> <p>1. ATVs. ATVs, both four and six wheeled versions, allow SOF operators the ability to navigate terrain that is normally inaccessible to standard vehicles. This capability greatly enhances mission success and effectiveness in OEF, OIF, and GWOT. Program was increased by FY 2004, FY 2005, and FY 2007 Congressional adds and FY 2008 Supplemental funds.</p> <p>2. GMVs. Procures tactical vehicles and procures and installs SOF-peculiar modification kits to transform the vehicles into GMVs. Tactical modifications include, but are not limited to, auxiliary fuel bladders, ammo storage racks, rear floor reinforcement, roll bars, rear bench seats, smoke and grenade system, recovery strap kits, jacking and skid plates, spare tire carriers, side rails, and various types of weapons mounts. Additionally, ancillary equipment (such as weapons, communications packages and applique armor) are procured and installed on the GMVs. Modifications vary in scope depending on vehicle configuration and specific component requirements. Safety related modifications increase survivability of soldiers in the field and mission effectiveness. Add-on-Armor (AoA) provides 360 degree protection for the vehicle plus gunner protection kit (GPK). Program increased by FY 2005, FY 2006, FY 2007, and FY 2008 Supplemental funds.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures SOF peculiar modifications and installation costs for 72 vehicles.</p> <p>3. Non-Standard Commercial Vehicle (NSCV). NSCVs are modified commercial vehicles (4x4 trucks) that provide a low-visibility, ground mobility capability to SOF. The SOF operator can tailor the kit items to specific requirements.</p>								

BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 2008
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE TACTICAL VEHICLES	
<p>4. Mine Resistant Ambush Protected (MRAP) RG-31 and MRAP RG-33 vehicles: The MRAP vehicles are armored vehicles with a blast resistant underbody designed to protect the crew from mine blasts, fragmentary and direct fire weapons. MRAP vehicles will also be equipped with a Remote Weapons Station, Blue Force Tracking, and communications equipment. Spiral upgrades will be performed and interim contractor logistics support will be provided. Program increase by FY 2006 and FY 2007 Supplemental funds. *A total of \$220 million has been transferred to USSOCOM in FY 2008 from the MRAP fund, and is not included in USSOCOM's obligation authority.</p> <p>5. Forward Deployed Equipment Kits (FDEK). FDEK consists of SOF peculiar equipment, identified by SOF and Theatre Commanders as required to support SOF within various theaters supporting the Global War on Terror mission. The equipment will remain in theaters for use by rotating units. The FDEK will reduce strategic lift, provide critical infrastructure and improve readiness. Program funded with FY 2007 Supplemental funds.</p> <p><i>FY 2007 funding total included \$165.100 million received in supplemental.</i></p> <p><i>FY 2008 funding total includes \$16.458 million received in Division L of the Consolidated Appropriations Act, 2008 (P.L. 110-161).</i></p>		

Exhibit P-40A, Budget Item Justification for Aggregated Items TACTICAL VEHICLES						Date: FEBRUARY 2008						
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
1. All Terrain Vehicles (ATV)												
A. Replacement ATVs	Polaris, Medina, MN		231	11,872			132	1,750				
Non-Add DERF	Polaris, Medina, MN			3,505								
B. Replacements ATVs	TBD				120	1600						
C. LTATV	TBD						90	4,500				
Subtotal				11,872		1,600		6,250				
2. Ground Mobility Vehicles (GMV)												
A. GMV-N												
1. Procure Base Vehicle	US Army Tank and Automotive Command (TACOM) , Warren, MI		84	8,329	30	2,700						
2. Vehicle Armor	MELT, Orlando, FL		84	6,798	30	3,210						
3. SOF Modification - AMG	AM General, Detroit MI				30	930						
4. SOF Modifications	LEAD, Chambersburg, PA		84	4,778	30	1,410						
5. Gunner Protection Kit	ARDEC, Picatinney Arsenal, NJ		84	1,223	81	1,676						
6. Communication A Kits	SOFSA, Lexington, KY		84	4,118	30	1,080						
7. Suspensions	SOFSA, Lexington, KY				30	930	31	960				
8. Repair Parts	Various					1,240						
Subtotal				25,246		13,176		960				
B. GMV-S												
1. Armor Kits & Install	Letterkenny Army Depot (LEAD), Chambersburg, PA		717	30,951			48	3,308				
2. SOF Mods	LEAD, Chambersburg, PA		300	4,962	14	665	77	4,120	38	1830		
3. GPK's	ARDEC, Picatinney Arsenal, NJ				14	280	5	100				
4. AMG SOF Mods	AM General, Detroit, MI				14	364	5	130	72	1872		
5. Suspensions	SOFSA, Lexington, KY				14	399	196	6,462				
6. Armor	LEAD, Chambersburg, PA				14	1,092						
7. Communications							5	104				
Subtotal				35,913		2,800		14,224		3,702		
C. GMV-R												
1. SOF Modification - AMG	AM General, Detroit MI		3	78								
2. Armor Kits & Install	LEAD, Chambersburg, PA		3	45			24	228				
3. GPK	ARDEC, Picatinney Arsenal, NJ		3	60			24	480				
4. SOF Modifications	LEAD, Chambersburg, PA		3	105			24	792				
5. Suspensions	SOFSA, Lexington, KY		3	87								
6. Spares	Various			55								
Subtotal				430				1,500				

Exhibit P-40A, Budget Item Justification for Aggregated Items TACTICAL VEHICLES	Date: FEBRUARY 2008
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Appropriation/Budget Activity - 0300/BA2											
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Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
2. GMV (Con't)												
D. GMV-M												
1. Armor Kits & Install	MELT, Orlando, FL		21	2,154	160	11,344	6	346				
2. GPK	ARDEC, Picatinney Arsenal, NJ		21	420	160	3,200	6	134				
3. Comms	SOFSA, Lexington, KY		21	399	92	3,469	6	221				
4. SOF Modifications	LEAD, Chambersburg, PA		21	693	92	3,010	6	102				
5. SOF Modifications	American General, Detroit, MI				16	416	6	401				
6. Suspensions	SOFSA, Lexington, KY				232	6,961	86	2,860				
7. Wheels	AM General, Mishawaka, IN				2,035	394						
Subtotal				3,666		28,794		4,064				
3. Nonstandard Commercial Vehicles												
A. Modification Kits	L3 Com, Lexington, KY				30	3,073						
Non-Add DERF			329	11,400								
Subtotal						3,073						
4. Forward Deployed Equipment Kits												
	Various				Various	21,540						
5. Mine Resistant Ambush Protected (MRAP) Vehicle RG-31												
A. Vehicle	General Dynamic Land System London, Ontario, Canada		3	1,680								
B. Remote Weapons Station (RWS)	Kongsberg , Norway				50	12,253						
C. C4I Communications Kits/Integration	Naval Air Systems Command, St. Inigoes, MD			272		16,233						
D. Production Testing	Aberdeen Test Center, MD			671		543						
E. Interim Contractor Logistics Support (ICLS)	VSE Corporation, Alexandria, VA			65	50	17,079						
E. RWS Integration	Various					1,891						
Subtotal				2,688		47,999						
6. MRAP RG-33												
A. Vehicles	BAE Systems, York, PA				113	56,297						
B. RWS	Kongsberg , Norway				283	69,355						
C. C4I Communications Kits/Integration	Naval Air Systems Command, St. Inigoes, MD					2,482						
D. ICLS	VSE Corporation, Alexandria, VA				283	21,934						
E. RWS Spares	Various			8,015								
F. Talon II Litters	North American Rescue Inc. Greenville, S.C.				470	334						

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
MISSION TRAINING AND PREPARATION SYSTEMS

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)		22.201	69.541	34.151	20.424	19.703	49.576	18.527

MISSION AND DESCRIPTION: The Mission Training and Preparation Systems (MTPS) line item funds SOF Army, Air Force and Maritime trainers, simulators and mission planning and rehearsal systems to support initial, proficiency, currency and pre-deployment training and mission rehearsal to support the Global War on Terrorism (GWOT). These systems are also used in accident investigation and tactics development. Funds are primarily used to produce and deliver new simulators, replace or upgrade unsupportable or obsolete systems, and/or to maintain concurrency between fielded weapon systems and existing simulators. The MTPS initiative also includes a focus on systems engineering, configuration management, and architecture development, as well as interoperability and commonality among diverse SOF training devices. This MTPS focus provides the ability to conduct Distributed Mission Operations, Training and Rehearsal (DMO/DMT/DMR) in support of the Joint National Training Center and Joint Forces Command. The associated RDT&E funds are in Program Element 1160427BB. This P-1 line item is comprised of the following programs:

1. Simulator Block Updates: This program procures updates to platform specific training devices. The updates are necessary to overcome obsolescence and concurrency issues and enhance mission training and rehearsal capabilities. These training systems replicate all, or part of, all SOF Fixed Wing systems, which include, but are not limited to, the AC-130H, AC-130U, MC-130E, MC-130H, MC-130W, MC-130P and CV-22; Rotary Wing Systems, which include, but are not limited to, the MH-47E, MH-47G, MH-60K, MH-60 Block 1, MH-60M and MH-6; Joint Close Air Support training systems, including but not limited to, SOF Air-Ground Interface System and Joint Terminal Control Training and Rehearsal System; Maritime systems including but not limited to the Advanced Seal Delivery System and the Seal Delivery Vehicle; and Ground Systems. These training systems are utilized to support training and mission planning and rehearsal for pilots transitioning to locations that are actively engaged in the GWOT, as well as accident investigation.

FY 2009 PROGRAM JUSTIFICATION: Funds continue to provide Simulator Block Upgrades to the fielded mission simulators and training devices for Air Force Special Operations Command, Navy Special Operations Command, and United States Army Special Operations Command training platforms. Funding also provides for production support.

2. AC-130U Battle Management Center. This line provides for an upgrade to the existing AC-130U Weapon System Trainer (WST) by

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2P-1 ITEM NOMENCLATURE
MISSION TRAINING AND PREPARATION SYSTEMS

modifying the battle management center to allow for simultaneous, independent operations training for the flight deck crews and the back end crews. This capability allows for greater flexibility in training. This program was funded with FY 2007 supplemental.

3. AC-130H/U Sensor Part Task Trainer (PTT). This line provides a training device to support update of the sensors in the AC-130H/U aircraft to include the GMS-2 Sensor. This PTT will replicate full form, fit and function of the sensor operator station in the AC-130H/U aircraft. The PTT will be delivered capable of using the SOF Common Database to enhance correlation of all simulator subsystems and support joint Distributed Mission Training and Rehearsal.

FY 2009 PROGRAM JUSTIFICATION: Procures block upgrades for the PTT after fielding to address obsolescence and concurrency.

4. MC-130W, Interim Configuration (IC) WST. This line provides a new training device to support fielding of a unique MC-130 variant. This system will replicate full form, fit and function of the flight characteristics and mission equipment of the MC-130W (IC) currently being fielded.

FY 2009 PROGRAM JUSTIFICATION: Procures block upgrades for MC-130W (IC) and purchase initial spares. Also, provides for production support.

5. Joint Close Air Support (JCAS) Training Systems (currently Joint Terminal Control Training and Rehearsal System (JTC TRS)). Procures new systems required to support JCAS training. This system is the joint materiel solution adopted from the development of the SOF Air-Ground Interface System (SAGIS) (previously funded under the SOF Training Systems P1) and the SAGIS Operational Requirements Document. This system provides a fully immersive environment for initial, currency, qualification and pre-deployment training of teams and individuals covering all aspects of controlling joint fires.

FY 2009 PROGRAM JUSTIFICATION: Procures two additional JCAS systems.

BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 2008
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE MISSION TRAINING AND PREPARATION SYSTEMS	
<p>6. Distributed Mission Training and Rehearsal System (DMTRS). This line provides the overarching system and support for Distributed Mission Operations, Training and Rehearsal (DMO/DMT/DMR) in support of the Joint National Training Center and Joint Forces Command. This program provides procurement and Capital Equipment Replacement Plan (CERP) of the hardware required to execute DMO/DMT/DMR. This equipment is used for functions such as, database generation and management, exercise control, network management, and integration of common solutions to support DMO/DMT/DMR.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures hardware to expand DMTRS capability to meet the full DMO/DMT/DMR requirements. CERP continues for existing hardware. Also includes integration of the SOF Common Database and SOF Common Environment solutions into all MTPS systems.</p> <p>7. MH-60 L to M Simulator Conversion. This program funds all modifications, changes, and updates required to convert the MH-60L full motion simulator to an MH-60M full motion simulator. The converted simulator will replicate the full form, fit and function of the flight characteristics and mission equipment of the MH-60M aircraft. This conversion is in direct support to the accelerated delivery of aircraft under the MH-60M Program.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures upgrades to the MH-60L to MH-60M full motion simulator.</p> <p>8. AC-130U Electronic Warfare Officer (EWO) Station. Provides an upgrade to the existing AC-130U training device by bringing the EWO station into full Aircraft Concurrency. This capability incorporates a common synthetic environment with easily placed and updated threats, and a completed Aircraft Electronic Warfare simulated/stimulated suite that improves the fidelity of the overall aircrew training device.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Modifies the AC-130U Weapon System Trainer with a high fidelity EWO station.</p> <p><i>FY 2007 funding total included \$5.300 million received in supplemental.</i></p>		

Exhibit P-40A, Budget Item Justification for Aggregated Items Mission Training and Preparation Systems						Date: FEBRUARY 2008						
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PYS		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
1. Simulator Block Updates (SBUD)												
A. Hardware	Various					16,738		16,932		17,244		
B. Production Support	Various							2,110		2,131		
Subtotal						16,738		19,042		19,375		
2. AC 130U Battle Management Center	Lockheed Martin				1	5,300						
3. AC-130H/U Sensor Part Task Trainer												
A. Hardware	TBD							4,600				
B. Production Support	TBD							292		296		
Subtotal								4,892		296		
4. MC-130W Interim Configuration Simulator												
A. Prime Mission Product	TBD							1	32,927		1,488	
B. Production Support	TBD								500		496	
Subtotal									33,427		1,984	
5. Joint Close Air Support Training Systems	TBD							2	840	2	833	
6. Distributed Mission Training and Rehearsal System												
A. Platform Integration	Nova Technologies, Panama City, FL										2,591	
B. Production Support	Nova Technologies, Panama City, FL								83		531	
C. Sustaining Support Equipment Replacement	Nova Technologies, Panama City, FL					163		167			197	
Subtotal						163		250			3,319	
7. MH-60L to M Simulator Conversion												
A. Hardware	TBD							1	9,135			
B. Production Support	TBD								1,205		1,196	
C. Initial Spares	TBD								750			
Subtotal									11,090		1,196	
8. AC-130U Electronic Warfare Officer Station												
A. Hardware	TBD									1	6,811	
B. Production Support	TBD										337	
Subtotal											7,148	
LINE ITEM TOTAL						22,201		69,541		34,151		

Note: PYS, are in the SOF Training Systems P-1.

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2008		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE COMBAT MISSION REQUIREMENTS					
	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	85.982	186.305	19.865	21.593	22.088	22.746	23.429	25.231
<p>MISSION AND DESCRIPTION: The Combat Mission Requirements line item procures emergent critical equipment shortfalls that must be rapidly fielded to Special Operations Forces operators in the field to conduct combat missions. These equipment shortfalls, approved by Global Combatant Commanders and validated and approved by USSOCOM, could cause loss of life, mission failure, or mission degradation. Examples of equipment are radios, body armor, unmanned aerial vehicles, blast and ballistic protected tactical vehicles, ammunition, weapons, aircraft defensive systems, and night vision devices. Program increased by FY 2007 Supplemental funds to purchase Mine Resistant Ambush Protected Vehicles. No associated RDT&E funds.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures various equipment items to rectify emergent critical equipment shortfalls identified in a Combat Mission Needs Statement submitted by theater components. See P-40A for the individual items purchased in FY 2007 and FY 2008.</p> <p><i>FY 2007 funding total included \$150.000 million received in supplemental.</i></p>								

Exhibit P-40A, Budget Item Justification for Aggregated Items Combat Mission Requirements						Date: FEBRUARY 2008						
Appropriation/Budget Activity -												
Procurement Items	Contractor and Location	ID Code	PY's		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
1. Blue Force Tracking Devices	Blackbird Technologies, St. Petersburg, FL		Var	2,000								
2. Hostile Forces Tagging, Tracking, and Locating (HFTTL) Hardware - Biometrics												
a. HFTTL Hardware - Technical Surveillance Equip	Orion Electronics Limited Windsor, CA		Var	2,779								
b. HFTTL Hardware - Biometrics Devices	Cross Match Technologies, Inc. Palm Beach, FL		Var	437								
c. HFTTL Hardware - Biometrics Spares	Cross Match Technologies, Inc. Palm Beach, FL		Var	8								
Subtotal				3,224								
3. Joint Threat Warning System (JTWS)												
a. SIGINT Equipment	Global Communication Solution, Victor, NY		Var	6,407	Var	2,562						
b. Tethered SIGINT Equipment	Global Communication Solution, Victor, NY		Var	5,361								
Subtotal				11,768		2,562						
4. ROVER III Model 300												
a. ROVER III Model 300 Devices	L3, Salt Lake City, UT			167		6,729						
b. ROVER III Model 300 Initial Spares	L3, Salt Lake City, UT			17		720						
Subtotal						7,449						
5. Stand Off Structured Munition-Hand Grenades												
a. Hand Grenades	Naval Special Warfare, Crane, Indianhead, MD			60		28						
b. Lightweight Attack Weapons	Talley Defense Systems, Mesa, AZ			166		2,123						
Subtotal						2,151						
6. Vehicle Armor												
a. Gunner Protection Kits - Turrets	Marine Corps Logistics Base, Albany, GA			203		5,381						
b. Armor Sets - Sheet Dyneema	Support Activity (SOFSA), Lexington, KY			224		5,305						
c. Titanium - 55,000 lbs @ ~\$70 per lb	Timet, Exton, PA			203		2,273						
d. Suspensions	Rod Hall Products, Reno, NV			203		5,470						
Subtotal						18,429						

Exhibit P-40A, Budget Item Justification for Aggregated Items Combat Mission Requirements						Date: FEBRUARY 2008						
Appropriation/Budget Activity -												
Procurement Items	Contractor and Location	ID Code	PY's		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
7. Armored Non Standard Commercial Vehicle	L3 Comms, Lexington, Kentucky		6	1,253	6	1,166						
8. Medium Mine Protected Vehicle RG-31												
a. Vehicles	General Dynamic Land System London, Ontario, Canada		47	24,237								
b. Remote Weapons Station (RWS) Hardware	Various											
c. RWS Integration and Training	Program Manager Soldier Weapons, Picatinney, NJ											
d. GFE Spares	Various		Var	1,238								
e. Integration Logistics Support (ILS)	US Army Tank and Automotive Command (TACOM), Warren, MI					3,516						
Subtotal				25,475		3,516						
33												
a. Vehicles	BAE Systems, York, PA				170	88,934						
b. C4I Communications Kits	NAVAIR, St. Inigoes, MD				Var	9,476						
c. RWS Integration & Training	Program Manager Soldier Weapons, Picatinney, NJ				Var	27,722						
d. Production Support	Various				Var	1,148						
e. Gunner Protection Kit	ARDEC, Picatinney Arsenal, NJ				60	3,630						
Subtotal						130,910						
10. Ballistics Protection Systems	TAPO		21	3,500								
11. RC-26 Aircraft	Sierra Nevada Corporation, NV				6	18,100						
12. CV-22 Interim Defensive Weapon	BAE Systems, Johnson City, NY			7,300								
13. Body Armor Supplement	Ceradyne, Inc Costa Mesa, CA					202						
14. Mobile Multi-Band Jammer	Impact Science & Technology, Nashau, NH			1,720								
15. SATCOM On The Move	NAVAIR, MD			1,430								
16. Critical Emergent Combat Mission Needs	Various			283		29,849		19,865		21,593		
LINE ITEM TOTAL				85,982		186,305		19,865		21,593		

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2008		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE MILCON COLLATERAL EQUIPMENT					
	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)		6.578	12.416	11.722	8.317	3.474	1.117	1.614
<p>MISSION AND DESCRIPTION: The MILCON Collateral Equipment line item procures collateral equipment for Special Operations Forces military construction facilities. No associated RDT&E funds.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Provides information technology equipment, video monitoring, targeting systems and other equipment above the Operations and Maintenance threshold of \$250 thousand, as well as items that are centrally managed.</p>								

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
UNMANNED VEHICLES

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)		189.634	52.609	27.194	17.553	13.027	16.055	16.419

MISSION AND DESCRIPTION: The Unmanned Vehicle line item provides funding to acquire and support a combination of Special Operations Forces (SOF)-unique systems and SOF modifications to Service common systems for SOF. The primary purpose of these systems is to provide SOF Reconnaissance, Surveillance, Target Acquisition, Battle Damage Assessment, Intelligence Collection, and other beyond visual line of sight mission requirements. This line item procures various unique systems, which include Unmanned Aircraft Systems (UAS), ground control stations, group A & B components, and the development of SOF unique payloads. These systems provide the SOF commander the ability to gather vital intelligence information and to remotely penetrate denied areas, which reduces the risk to forces and mission. Program increased by FY 2007 and FY 2008 Supplemental. The associated RDT&E funds are in Program Elements 0305219BB and 1160428BB.

FY 2009 PROGRAM JUSTIFICATION: Procures Vehicle Craft Unmanned Aircraft System, initial spares, and new equipment training. Procures SOF-unique modifications for the Medium Altitude Long Endurance Tactical UAS.

FY 2007 funding total included \$107.731 million received in supplemental.

FY 2008 funding total includes \$23.500 million received in Division L of the Consolidated Appropriations Act, 2008 (P.L. 110-161).

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
UNMANNED VEHICLES

MODIFICATION SUMMARY

<u>DESCRIPTION</u>	<u>Prior Years</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>
1. Medium Alt Long Endurance Tactical MQ-1 Block 1			18.185	22.561	13.206			
2. Medium Alt Long Endurance Tactical MQ-1 Block 2						8.595	9.273	9.500
3. U-28A Block 20 Upgrade			17.100					
SUBTOTAL FOR MODS			35.285	22.561	13.206	8.595	9.273	9.500

DESCRIPTION/JUSTIFICATION: The USSOCOM MALET Unmanned Aircraft System (UAS) requirement was approved 25 May 2005 as part of the Air Combat Command (ACC) MQ-1 Predator program. USSOCOM force structure includes 32 SOF Predator aircraft and associated equipment to find, fix, and finish high value targets. Block I provides initial SOF-unique installations to the Predator air vehicle and supporting Ground Control Station (GCS) systems. Block I also includes upgrades to SOF unique equipment required to rapidly respond to dynamically changing environments associated with SOF operational mission requirements. Installation costs are included in Group B cost. USSOCOM took possession of 28 Predator systems 30 May 2007 as part of an Air Force transfer initiative; 4 additional systems are pending delivery under Air Force FY 2007 GWOT Supplemental. Projected delivery is August 2008.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Yrs		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		TOTAL			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
RDT&E						13.1														0	13.1	
																				0	0.0	
PROC																				0	0.0	
Acft Grp A					10	1.5	10	1.5	8	1.2										28	4.2	
Acft Grp B																				0	0.0	
SIGINT						9.5		7.2		5.2										0	21.9	
Full Motion Video Mod						2.0		8.8		3.8										0	14.6	
Mobile Predator Ops Center						4.0		2.3												0	6.3	
Comm Architecture Interface						0.4		1.6		2.4										0	4.4	
Initial Spares						0.5		0.9		0.4										0	1.8	
Other Production Support						0.3		0.3		0.3										0	0.9	
																				0	0.0	
																				0	0.0	
																				0	0.0	
																				0	0.0	
																				0	0.0	
																				0	0.0	
																				0	0.0	
Install Cost	0	0.0	0	0.0	0	0.0	10	0.0	10	0.0	8	0.0	0	0.0	0	0.0	0	0.0	0	0.0	28	0.0
Total Proc	0	0.0	0	0.0	10	18.2	10	22.6	8	13.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	28	54.1

Exhibit P-3a, Individual Modification (Continued)

MODELS OF SYSTEMS AFFECTED: Predator/GCS

MODIFICATION TITLE: MALET

INSTALLATION INFORMATION: CTR Team

METHOD OF IMPLEMENTATION: Contract Field Teams and Manufactures Facility

ADMINISTRATIVE LEADTIME: 1 Month

PRODUCTION LEADTIME: 10 Months

CONTRACT DATES: Prior Year: N/A Current Year: Dec 07 Budget Year 1: Dec 08 Budget Year 2: Dec 09

DELIVERY DATES: Prior Year: N/A Current Year: Oct 08 Budget Year 1: Oct 09 Budget Year 2: Oct 10

(\$ in Millions)

	Prior Yrs		FY07		FY08		FY09		FY10		FY11		FY12		FY13		TC		TOTAL			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
PYS																				0	0.0	
FY06																					0	0.0
FY07																					0	0.0
FY08								10													10	0.0
FY09									10												10	0.0
FY10											8										8	0.0
FY11																					0	0.0
FY12																					0	0.0
FY13																					0	0.0
To Complete																					0	0.0
Total	0	0.0	0	0.0	0	0.0	10	0.0	10	0.0	8	0.0	0	0.0	0	0.0	0	0.0	0	0.0	28	0.0

Installation Schedule

	PY's	FY07 (Blk I)				FY08 (Blk I)				FY09 (Blk I)				FY10 (Blk II)				FY11 (Blk II)				FY12			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In										2	3	3	2	2	3	3	2	2	2	2	2				
Out										2	3	3	2	2	3	3	2	2	2	2	2				

	FY13				Total
In					28
Out					28

Exhibit P-40A, Budget Item Justification for Aggregated Items Unmanned Vehicles					Date: FEBRUARY 2008					
Appropriation/Budget Activity - 0300/BA2										
Procurement Items	Contractor and Location	ID Code	PYS		FY 2007		FY 2008		FY 2009	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
Unmanned Aerial System										
1. Rucksack Portable UAS	AeroViroment, Simi Valley, CA									
A. Systems					212	19,836	28	2,677		
B. Initial Spare Packages					212	4,643		1,490		
C. Support Equipment								1,813		
D. Test and Evaluation								1,300		
E. New Equipment Training						2,345		240		
Subtotal						26,824		7,520		
2. Vehicle Craft UAS (Neptune)										
A. Systems	DRS-UT, Mineral Wells, TX						2	2,277	2	2784
B. Initial Spares							Various	594	2	1059
C. Payload							2	533	2	675
D. New Equipment Training										115
Subtotal								3,404		4,633
3. MALET										
A. Mobile Predator Operation Center	Various				1	4,000				
B. Distributed Common Ground System - Processing, Exploitation, and Dissemination (PED)					1	9,400				
C. Payload/integration						6,000				
D. Predator Continuation Training Upgrades						4,500				
E. MQ1 Airbourne Full Motion Video							8	6,400		
Subtotal						23,900		6,400		
4. Intelligence, Surveillance, and Reconnaissance Aircraft										
A. Various	Various					138,910				
Subtotal						138,910				
5. Modifications										
A. Various								35,285		22,561
Subtotal										
LINE ITEM TOTAL					0	189,634		52,609		27,194

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2008
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APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF AUTOMATION SYSTEMS							
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	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)				55.248	42.879	43.418	41.699	42.379

A new P-1 Line item was established beginning in FY 2009 for Special Operations Forces (SOF) Automation Systems. FY 2009-2013 resources were moved from the Communications Equipment and Electronics P-1 Line item.

MISSION AND DESCRIPTION: The SOF Automation Systems line item provides for automation systems to meet emergent requirements to support SOF. The SOF mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. SOF Automation Systems is a continuing effort to procure interoperable SOF Command, Control, Communications, and Computer (C4) capabilities. The associated RDT&E funds are in Program Element 1160404BB.

United States Special Operations Command (USSOCOM) has developed an overall strategy to ensure that Command, Control, Communications, Computer and Intelligence (C4I) systems continue to provide SOF with the required capabilities throughout the 21st century. USSOCOM's C4I systems comprise an integrated network of systems providing positive command and control and the timely exchange of intelligence and threat warning 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 infosphere is a multitude of existing and projected national assets that allows SOF elements to operate with any force combination in multiple environments. The C4 programs funded in this procurement line meet annual emergent requirements.

1. Command, Control, Communications, Computers, and Intelligence (C4I) Automation Systems (C4IAS). C4IAS is a garrison infrastructure directly supporting the Command's global mission by providing a seamless and interoperable interface with SOF, DOD, and Service information systems. It provides the capabilities to exercise command and control and collaboration, process and share intelligence data, and facilitate mission planning and the operational preparation of the battlespace, connecting numerous data repositories while maintaining information assurance. Additionally, it provides the critical reachback for SOF tactically deployed local area networks/wide area networks. C4IAS is composed of state-of-the-art automated systems (firewalls, routers, switches, hubs, and modems), servers, storage devices, workstations and associated peripherals. The program supports a myriad of SOF user requirements, and uses a variety of government-off-the-shelf/commercial-off-the-shelf software and databases to ensure interoperability between SOF units.

BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 2008
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF AUTOMATION SYSTEMS	
<p>FY 2009 PROGRAM JUSTIFICATION: Continues to acquire next generation automation systems and emerging technologies to provide new capabilities and dramatic improvements, as well as deliver new functionalities. Projected emerging technologies are enterprise network management upgrades, customer service desk upgrades, and server/storage virtualization.</p> <p>2. Tactical Local Area Network (TACLAN). The TACLAN program provides SOF operational commanders and forward deployed forces advanced automated data processing and display capabilities to support situational awareness, mission planning and execution, and command and control of forces. The TACLAN program consists of TACLAN Suites, Mission Planning Kits (MPK) and Field Computing Devices (FCD). Each TACLAN Suite consists of three easily transportable, multiple integrated networks; 60 general use laptops; and 10 intelligence laptops. MPKs consist of 4 general use laptops and ancillary equipment used for SOF teams for detailed mission planning support. FCDs are small hand-held computing devices used by the most forward deployed SOF teams to automatically interface with the TACLAN suite via tactical communications. Program increased by FY 2006 Supplemental and Title IX funds.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures 6 TACLAN network suites, 17 Capital Equipment Replacement Plan network suites, 800 FCDs, and 312 laptops.</p>		

Exhibit P-40A, Budget Item Justification for Aggregated Items
 SOF Automation Systems

Date: FEBRUARY 2008

Appropriation/Budget Activity - 0300/BA2

Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
1. COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS AND INTELLIGENCE AUTOMATION SYSTEM (C4IAS)												
A. Evolutionary Technology Insertions (ETI's)												
(1) Network Re-Engineering - SIPR	Multiple										6,330	
(2) Network Re-Engineering - NIPR	Multiple										15,866	
(3) Network Expansion	Multiple										2,203	
(4) Integration	Multiple										3,947	
Subtotal											2,813	
2. TACTICAL LOCAL AREA NETWORK (TACLAN)												
A. PME - TACLAN Suites												
(1) Block II CERP	iGov Technologies, Tampa, FL									6	4,162	
B . PME - FCDs	iGov Technologies, Tampa, FL									17	11,792	
C. PME - Laptops	iGov Technologies, Tampa, FL									800	5,430	
D. TACLAN Integration	iGov Technologies, Tampa, FL									312	1,955	
Subtotal											750	
Subtotal												
											31,159	
LINE ITEM TOTAL												
											55,248	

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2008
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APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF SOLDIER PROTECTION AND SURVIVAL SYSTEMS							
	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)				15.455	41.980	22.835	21.052	11.641

A new P-1 Line Item was established beginning in FY 2009 for Soldier Individual Protection and Survival Systems. FY 2009-2013 resources were moved from the Small Arms and Weapons P-1 Line Item.

MISSION AND DESCRIPTION: The Special Operations Forces (SOF) Soldier Protection and Survival Systems line item provides specialized equipment to meet the unique soldier protection and survival requirements of SOF, to include: Army Rangers; Army Special Forces; Navy Sea, Air, Land (SEAL) teams; Navy Special Boat Units; Air Force Special Tactics Operators, and Marine Special Operations Command (MARSOC). Specialized equipment will improve survivability and mobility of SOF while conducting varied missions. These missions are generally conducted in harsh environments, for unspecified periods and in locations requiring small unit autonomy. This budget line procures a variety of weapons and equipment to include SOF Personal Equipment Advanced Requirements (SPEAR) and Tactical Combat Casualty Care Equipment Kits (TCCCEKIT). The associated RDT&E funds are in Program Element 1160478BB .

1. **SPEAR.** SPEAR acquires items that provide SOF personnel with required individual protection, survivability, load bearing and dismounted mobility capability for SOF missions. Components of this program include: body armor, vests, protective eyewear, helmets with communication, load carriage systems, and protective combat uniforms with extremity protection (boots, gloves). This program was increased by FY 2004, FY 2005, FY 2006, FY 2007, and FY 2008 Supplemental funds.

FY 2009 PROGRAM JUSTIFICATION: Procures 2,285 Releasable Body Armor Systems 2,064 Load Carriage Systems, 2,730 Protective Combat Uniforms, 149 Backpack Systems, 78 Modular Integrated Communication Headsets and 5,750 Next Generation Ballistic Helmets.

2. **TCCCEKIT.** The TCCCEKIT is a technology transfer initiative that provides medical devices and equipment for the treatment of casualties in support of SOF. This initiative procures a variety of Food and Drug Administration approved medical items to include intraosseous infusion devices, patient monitoring and assessment devices, emergency airway kits, and devices that support patient management and enroute care capabilities.

BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 2008
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF SOLDIER PROTECTION AND SURVIVAL SYSTEMS	
<p>FY 2009 PROGRAM JUSTIFICATION: Procures 435 Operator Tactical Combat Casualty Care Equipment Kits (TCCCEKIT), 56 Medical TCCCEKITs, 106 Casualty Evacuation Kits and improved kit components to enhance the capabilities of SOF to treat casualties in far-forward, remote and austere environments, also provides for kit integration and production support.</p>		

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2P-1 ITEM NOMENCLATURE
SOF VISUAL AUGMENTATION, LASERS AND SENSOR SYSTEMS

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)				30.201	32.136	31.721	30.824	17.820

A new P-1 Line Item was established beginning in FY 2009 for SOF Visual Augmentation, Lasers and Sensors Systems. FY 2009-2013 resources were moved from the Small Arms and Weapons P-1 Line Item.

MISSION AND DESCRIPTION: The SOF Visual Augmentation, Lasers and Sensors Systems line item provides day and night visual augmentation systems, laser range finders, pointers, illuminators, and designators in support of Special Operations Forces (SOF), to include: Army Rangers; Army Special Forces; Navy Sea, Air, Land (SEAL) teams; Navy Special Boat Units; Air Force Special Tactics Operators, and Marine Special Operations Command (MARSOC). This budget line procures a variety of day/night vision equipment and laser systems to include

Improved Night/Day Observation/Fire Control Device (INOD), Ground Mobility Visual Augmentation System (GMVAS), Advanced Night Vision Devices (NVD), Precision Laser Targeting Device (PLTD), SOF Laser Acquisition Marker (SOFLAM), Special Operations Visual Augmentation Hand Held Imagers, SOF Laser Rangefinder and Designator (SOFLRD), and Special Operations Visual Augmentation Binocular/Monocular (SOVAS B/M). The associated RDT&E funds are in Program Element 1160479BB.

1. GMVAS (formerly a sub-program of NVD). The GMVAS provides day/night visual augmentation to SOF ground mobility vehicles. The GMVAS program includes three modules: GMVAS-Driver, GMVAS-Short Range, and GMVAS-Long Range. These systems provide SOF operators with the ability to conduct short and long range surveillance, reconnaissance, and target acquisition. The GMVAS systems improve mobility and increase safety while operating ground vehicles. The program was increased by FY 2007 Supplemental funds.

FY 2009 PROGRAM JUSTIFICATION: Procures 9 GMVAS-Driver Systems, Installation Kits, acceptance testing, and New Equipment Training (NET) and provides for production support.

2. NVD. The NVD program provides SOF operators with the ability to evaluate emerging technology and upgrades to SOF Visual Augmentation Systems, Lasers and Sensor Systems. The program will procure long range visual augmentation devices for fire control, surveillance, and land navigation. Program was increased by FY 2005 and FY 2006 Congressional adds, and FY2004 Title IX, FY 2005,

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
SOF VISUAL AUGMENTATION, LASERS AND SENSOR SYSTEMS

FY 2006, and FY 2007 Supplemental funds.

FY 2009 PROGRAM JUSTIFICATION: Procures 25 Special Mission night vision products to evaluate emerging technology, and provides for New Equipment Training and production support.

3. Precision Laser Targeting Device (PLTD). PLTD is a combined day/night optical system with a laser range finder to allow the detection and observation of targets. The range finder calculates the Global Positioning System (GPS) location of the target for identification and targeting purposes. The PLTD provides precision accuracy in the geo-location of targets for the precision delivery of GPS guided munitions. The system will eliminate fratricide incidents and reduce collateral damage during close air support missions.

FY 2009 PROGRAM JUSTIFICATION: Procures 65 Block II PLTDs, NET, and associated ancilliary equipment.

4. SOF Laser Acquisition Marker (SOFLAM): The SOFLAM is a Laser Target Designator with range finding capability. The AN/PEQ-1C SOFLAM allows SOF users to conduct close air support and air interdiction missions through the terminal guidance of laser guided munitions. The AN/PAS-21 is a thermal imager that provides a night vision capability to the SOFLAM. This system is specifically gated and tuned to view the invisible laser spot of the SOFLAM for use in designating laser guided bombs onto targets. This program was increased by an FY 2007 Congressional add and FY 2006 and FY 2007 Title IX funds.

FY 2009 PROGRAM JUSTIFICATION: Procures 72 AN/PEQ-1C laser designators, 72 AN/PAS-21 Thermal Imagers, NET and acceptance testing.

5. Special Operations Visual Augmentation Binocular/Monocular (SOVAS B/M) (formerly a sub-program of Night Vision Devices): The SOVAS B/M program procures head/helmet mounted night vision goggle systems. The current SOF standard goggle is the AN/PVS-15A binocular goggle. These goggles provide the SOF operator the ability to maneuver, conduct fire control operations, and perform surveillance and reconnaissance.

FY 2009 PROGRAM JUSTIFICATION: Procures 1,430 AN/PVS-15A binocular night vision goggles, NET, and acceptance testing.

Exhibit P-40A, Budget Item Justification for Aggregated Items Soldier Visual Augmentation, Lasers and Sensor Systems						Date: FEBRUARY 2008						
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
1. Ground Mobility Visual Augmentation System - Driver												
A. Hardware	Various								9	450		
B. Production Support	NSWC Crane, Crane, IN									5		
C. Acceptance Testing and New Equip Tng	NSWC Crane, Crane, IN									6		
D. Install Kits	TBD								9	35		
Subtotal										496		
2. Night Vision Devices												
A. Special Mission Procurements	Various								25	250		
B. Production Support	NSWC Crane, Crane, IN									5		
C. Acceptance Testing and New Equip Tng	NSWC Crane, Crane, IN									17		
Subtotal										272		
3. Precision Laser Targeting Device												
A. Hardware	Northrop Grumman, Apopka, FL								65	9,750		
B. Production Support	NSWC Crane, Crane, IN									5		
C. Acceptance Testing and New Equip Tng	NSWC Crane, Crane, IN									45		
D. Ancillary Items (Tripod/Cables)	Various									122		
Subtotal										9,922		
4. SOF Laser Acquisition Marker												
A. AN/PAS - 21 Thermal Sights	FLIR, Boston, MA								72	3,215		
B. AN/PEQ-1C Laser Designators	Northrop Grumman, Apopka, FL								72	6,072		
C. Production Support	NSWC Crane, Crane, IN									10		
D. Acceptance Testing and New Equip Tng	NSWC Crane, Crane, IN									107		
Subtotal										9,404		
5. Special Operations Visual Augmentation Binocular/Monocular												
A. AN/PVS-15A	Northrop Grumman, Garland, TX								1,430	10,013		
B. Production Support	NSWC Crane, Crane, IN									5		
C. Acceptance Testing and New Equip Tng	NSWC Crane, Crane, IN									89		
Subtotal										10,107		
Prior Year Funding												
LINE ITEM TOTAL										30,201		

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2P-1 ITEM NOMENCLATURE
SOF TACTICAL RADIO SYSTEMS

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)				33.966	51.614	38.922	47.294	42.319

A new P-1 Line item was established beginning in FY 2009 for Special Operations Forces (SOF) Tactical Radio Systems. FY 2009-2013 resources were moved from the Communications Equipment and Electronics P-1 Line item.

MISSION AND DESCRIPTION: The SOF Tactical Radio Systems new line includes all SOF radio programs procured to meet emergent requirements to support SOF. The SOF mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. SOF units require tactical radio systems that improve their warfighting capability without degrading their mobility. Therefore, this line item will procure lightweight, efficient and interoperable SOF radios. The associated RDT&E funds are in Program Element 1160476BB.

United States Special Operations Command has developed an overall strategy to ensure that Tactical Radio Systems continue to provide SOF with the required capabilities throughout the 21st century. The Tactical Radios provide the critical Command, Control, and Communications (C3) link between SOF Commanders and SOF Teams involved in Global War on Terror (GWOT) operations and training exercises. They also provide interoperability with all Services, various agencies of the US 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. The Tactical Radio programs funded in this procurement line meet annual emergent requirements.

1. Multi-Band/Multi-Mission Radio (MBMMR). MBMMR provides voice and data communication in either a manpack or fixed mount radio configuration. It is designed to operate on a user-selected frequency from a 30 to 512 MHz in Very High Frequency (VHF) and Ultra-High Frequency (UHF) bands as well as Line-of-Sight, Demand Assigned Multiple Access Satellite Communications and Maritime modes. MBMMR features National Security Agency (NSA) endorsed type 1 embedded Communications Security (COMSEC). It operates in both military and public service bands and is compatible with the Electronic Counter-Counter Measure capabilities of the Single Channel Ground Airborne Radio System and HAVE QUICK II equipment. Other features include selectable power output up to 20 watts, night vision goggle compatible and saltwater immersible. Program increased by FY 2005 Supplemental and FY 2006 Title IX funds.

BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 2008
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF TACTICAL RADIO SYSTEMS	
<p>FY 2009 PROGRAM JUSTIFICATION: Procures 99 MBMMR vehicle mounts.</p> <p>2. Joint Base Station (JBS). JBS is an evolutionary acquisition program that is transforming to the Radio Integration System (RIS). JBS is the tactical Command and Control (C2) communications system providing the radio communications capability for deployed and forward-based SOF, Theater Special Operations Commanders and Marine Special Operations units supporting GWOT and other SOF activities. RIS reduces the current number of JBS variants to three. RIS will consist of a RIS (a full scale deployable and scaleable transit case variant) RIS Lite (a deployable downsized transit case variant), and RIS Fixed (a fixed base station variant). All RIS variants will be capable of integrating existing and future USSOCOM approved radios and be compliant with the future Joint Tactical Radio System (JTRS). RIS interfaces, enhances, and combines multiple single channel radios into one integrated C2 suite. Like its JBS predecessor, the RIS variants will enable the SOF operational commander to exercise reliable, effective, and efficient C2 functions in real time in the extremely fluid and dangerous environments of today's world. Moreover, the Radio Integration System (RIS) provides the SOF Commander and staff with the capability to send and receive voice, data, and messages between the inserted SOF warfighter and higher headquarters, Liaison Officers, other government agencies, and coalition partners. The RIS Lite will provide the SOF Commander with an on-the-move C2 capability in a suitcase size package. The RIS will support maximum cross-flow of information during mission execution via distributed access to the required SOF headquarters radio nets (Command, Fires, Air, Maritime, Coalition, Combat Search and Rescue, etc.). RIS will integrate these radio nets into a family of systems capable of remote monitoring and control by key staff functions, as directed by the deployed Commander. Additionally, RIS will provide deployed SOF with an Internet Protocol (IP) interface capability to other deployable SOF systems. Program increased by FY 2004, FY 2005, FY 2006, and FY 2007 Supplemental funds.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Acquires 2 JBS Variant 2 systems and 17 JBS Variant 4 systems.</p> <p>3. Multiband Inter/Intra Team Radio (MBITR). The MBITR provides a lightweight, handheld, inter/intra team communications capability with embedded Type 1 Communications Security (COMSEC) for the SOF warfighter. SOF teams conduct air, ground and maritime missions across the entire operational spectrum. Prior to the development of the Multiband Inter/Intra Team Radio (MBITR), these missions required SOF teams</p>		

BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 2008
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF TACTICAL RADIO SYSTEMS	
<p>to carry multiple handheld and manpack radios operating in various frequency bands to ensure positive communications capability. The MBITR provides each of these frequency bands in a single, handheld radio with embedded COMSEC, and significantly reduces the combat load of the SOF warfighter. The program also acquires performance enhancements to meet emergent requirements and ensure compliance, to the maximum extent possible, with evolving Joint Tactical Radio System (JTRS) standards. Program increased by FY 2005 and FY2007 Supplemental funds.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures 1,022 urban systems, 354 maritime, and ancillary equipment.</p> <p>4. Special Mission Radio System (SMRS). SMRS provides voice and data communication in either a manpack (AN/PRC-137F) or base station configuration (AN/TRQ-43G). It is designed to operate on a user-selected frequency from 2 to 60 MHz as a dual band high frequency (HF) and low-band VHF beyond Line-of-Sight (BLOS) radio. SMRS supports general purpose and special reconnaissance missions with embedded COMSEC capability, conventional military standard Automated Link Establishment, and low probability of intercept/detection (LPI/D) waveforms. The AN/PRC-150 is another HF radio that fulfills the SMRS requirements but without the LPI/D waveforms. It operates on frequencies from 1.6 to 60 MHz, supplies BLOS voice and data communications, and has embedded certified Communications Security capability. Program increased by FY 2006 Supplemental funds.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures 14 General Purpose HF Vehicle Mount Radios.</p>		

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2008		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT					
	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	86.622	2.644	6.926	13.450	2.822	.824	1.090	1.090
<p>MISSION AND DESCRIPTION: The Special Operations Forces (SOF) Maritime Equipment Line item provides SOF unique equipment and related production support necessary for the Naval Special Warfare Command to execute special operations and fleet support missions in support of its role as the Naval Component of U.S. Special Operations Command. This line item includes Dry Deck Shelter (DDS) field changes, Hydrographic Mapping Unit (HMU) and the Non-Gasoline Burning Outboard Engine (NBOE) program. No associated RDT&E funds.</p> <p>1. DDS. DDS is a certified diving system that attaches to modified host submarines. Program provides certification and field changes for the DDS.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures hardware installed on the DDS as field changes. Field changes address operational efficiency, obsolete equipment replacement and required safety modifications. Continues the integration and installation of alterations needed to reduce the DDS acoustic signature.</p> <p>2. HMU. Hand-held Underwater Integrated Navigation, Bathymetric, and Oceanographic Sensor System used to conduct hydrographic reconnaissance, Harbor Penetration, and Ship Attack Missions.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Continues engineering, integration and installation of hardware and software to address obsolescence issues for the HMU.</p> <p>3. NBOE. Program provides for NBOE for the Combat Rubber Raiding Craft, which may be launched from submarines and surface craft/ships.</p>								

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2008

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
MISCELLANEOUS EQUIPMENT

	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	174.509	18.861	17.525	15.331	9.125	9.377	9.058	9.202

MISSION AND DESCRIPTION: The Miscellaneous Equipment line item provides for various types of equipment required to support Special Operations Forces (SOF). The line consists of relatively low cost procurements that do not reasonably fit in other USSOCOM procurement line item categories. Examples are Joint Operational Stocks (JOS), Naval Special Warfare (NSW) Civil Engineering Support Equipment (CESE), sustainment of NSW SOF peculiar weapons, Automatic Equipment Identification, Marine Special Operations Command (MARSOC) miscellaneous equipment, and Air Force Special Operations Command (AFSOC) miscellaneous equipment. No associated RDT&E funds.

1. JOS. JOS is a USSOCOM managed stock of materiel designed to provide SOF access to immediately available equipment in support of real world, contingency and training missions. The equipment contained within JOS generally falls into one of the following categories: night vision devices and optics, weapons, communications, personnel protection, and bare base support. The JOS inventory is maintained, stored and issued through the SOF Support Activity located in Lexington, KY. Program increased by FY 2003, 2006, and 2007 Supplemental Funds.

FY 2009 PROGRAM JUSTIFICATION: Procurement funds will be used to resolve authorization shortfalls for high demand equipment and to replace equipment lost to attrition as a result of extensive support to SOF in executing the Global War on Terror.

2. NSW CESE. Authorized vehicles and construction/maintenance equipment for Naval SOF. Program increased by FY 2006 Hurricane Katrina Supplemental funds.

FY 2009 PROGRAM JUSTIFICATION: Continued procurement of vehicles and construction/maintenance equipment in accordance with authorized inventory objectives.

3. NSW SOF Peculiar Weapons Sustainment. Weapons and weapon receiver replacements for authorized items.

FY 2009 PROGRAM JUSTIFICATION: Procures replacement weapons and receivers for authorized items.

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<p>4. Automatic Equipment Identification. Special Warfare Automated Logistic Information System (SWALIS) establishes a single source of critical and authoritative logistics data required to enhance operational assessment and planning. SWALIS is required to fully integrate inventory management, property book, and maintenance data collection necessary to implement Total Asset Visibility.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Provides final baseline procurement funding to complete NSW SWALIS Project.</p> <p>5. Marine Special Operations Command (MARSOC) Miscellaneous Equipment. Miscellaneous equipment items that do not reasonably fit in other USSOCOM procurement line item categories for use by MARSOC.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures miscellaneous equipment for deployments.</p> <p>6. Air Force Special Operations Command (AFSOC). Miscellaneous Equipment. Miscellaneous equipment items that do not reasonably fit in other USSOCOM procurement line item categories for use by AFSOC.</p> <p><i>FY 2007 funding total included \$1.000 million received in supplemental.</i></p>		

Exhibit P-40A, Budget Item Justification for Aggregated Items MISCELLANEOUS EQUIPMENT					Date: FEBRUARY 2008							
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
1. Joint Operational Stocks	Various											
A. Replenishment of Authorized Equip				46,849		193		3,026		3,004		
Non-Add DERF				8,650								
Subtotal				46,849		193		3,026		3,004		
2. Naval Special Warfare (NSW) Civil Eng Support Equipment	Various											
A. Hardware				50,182		5,832		5,280		5,353		
Non-Add DERF				1,100								
Subtotal				50,182		5,832		5,280		5,353		
3. NSW SOF Peculiar Weapons Sustainmant	Various											
A. Hardware				4,543		930		79		605		
Subtotal				4,543		930		79		605		
4. Automatic Equip Identification	AMSEC LLC, Virginia Beach, VA											
A. Hardware				2,986				3,997		3,033		
Subtotal				2,986				3,997		3,033		
5. Marine Special Operations Command (MARSOC) Miscellaneous Equipment												
A. Defense Advanced Global Positioning Receiver	TBD					1,052						
B. Rail Interface System	Daniel Defense, Savannah, GA					1,422	428					
C. Mini Day/Night Clip-on Night Vision Device (CNV)	Insight Tech, Londonberry, NH					1,623	1,623					
D. Mini Day/Night ATPIAL II	Insight Tech, Londonberry, NH					170	386	5,143		3,336		
E. QD Muzzle Break, Shim Set, Gas Block, Front Sight	Knight's Armament, Titusville, FL						227					
F. Mini Day Night Sight	Various						884					
G. LA-5/PEQ	Insight Tech, Londonberry, NH					131	270					
Subtotal						4,870		5,143		3,336		
6. Air Force Special Operations Command Miscellaneous Equipment												
A. Temporary Hangar						2	7,036					
Subtotal							7,036					
Prior Year Funding				69,949								
Prior Year Non-Add DERF				6,462								
LINE ITEM TOTAL				174,509		18,861		17,525		15,331		

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APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT					
	Prior Years	FY07	FY08	FY09	FY10	FY11	FY12	FY13
QUANTITY								
COST (In Millions \$)	164.490	57.358	58.183	64.778	51.087	42.257		28.917
<p>MISSION AND DESCRIPTION: The Psychological Operations (PSYOP) Equipment line item provides for the acquisition of PSYOP equipment to meet emergent requirements of operational forces. The purpose of PSYOP is to induce or reinforce foreign or hostile attitudes and behavior favorable to U.S. national objectives. New and emerging national, regional, and ethnic power groupings and religious fanaticism have increased threats of terrorism, insurgency, instability, and subversion. Successful PSYOP can lower the morale and reduce the efficiency of enemy forces and create dissidence and disaffection within their ranks. The associated RDT&E funds are in Program Element 1160404BB and 1160488BB.</p> <p>OPERATIONAL ELEMENT (TEAM)</p> <p>1. 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 provides a greater standoff distance for U.S. Forces/assets. The replacement for the 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.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Purchases 21 NGLS-Manpack variants, 21 NGLS-Vehicle / Watercraft variants, 4 NGLS-UAV variants, 6 Next Generation Loudspeaker System (NGLS)-Unmanned Ground Vehicle variants, 54 NGLS-Scatterable Media Long Duration</p>								

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<p>variants, and 54 NGLS-Scatterable Media Short Duration variants.</p> <p>2. Leaflet Delivery System (LDS). The LDS provides PSYOP forces a family of systems that safely and accurately disseminates variable size and weight payloads of PSYOP material to point and 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.</p> <p>ABOVE OPERATIONAL ELEMENT (DEPLOYED)</p> <p>3. 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.</p> <p>FY 2009 PROGRAM JUSTIFICATION: Procures 29 PDS-Light (14 AC & 15 RC), 7 PDS-Medium systems, 1 FABS Short Wave (SW) Broadcast System, 1 FABS AM Broadcast System, 1 FABS Radio Production Transit Case, 1 FABS FM Broadcast System, and initial spares. Also procures 5 LRBS Television Broadcast Systems and 4 LRBS FM Broadcast Systems as well as 5 SOMSB Mobile Radio Broadcast Systems</p> <p>4. Psychological Operations Print System (POPS). POPS is a family of print systems to disseminate PSYOP products consisting of POPS-Light (POPS-L), POPS-Medium (POPS-M) and POPS-Heavy (POPS-H) variants. POPS-L will replace the DPPC and is a rapid deployable light print system for creating, editing and producing PSYOP print products at forward locations. It consists of commercial-off-the-shelf and</p>		

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government-off-the-shelf components deployed by a heavy High Mobility Multi-Wheeled Vehicle with a generator. Psychological Operations Print System (POPS)-M will be a deployable high volume print system for creating, editing and producing PSYOP print products at the theater level and will replace the current Modular Print System. POPS-H will be high volume print system operated at Fort Bragg, NC in a fixed, controlled-environment facility and will replace the current Heavy Print Facility at the same location. This system is used to accomplish very high volume, high quality PSYOP print requirements and ship the products by air to the field. All PSYOP print systems will be interoperable with each other and DOD, and other government agencies (Drug Enforcement Agency/Federal Bureau of Investigation/Alcohol, Tobacco, and Firearms/Customs) working in concert with SOF personnel during joint or combined operations.

5. Special Operations Media System-B (SOMS-B). SOMS-B is a tactical deployable radio and television broadcast system. It is designed to act as the forward deployed broadcast platform of PSYOP products. It has limited production capabilities and is made up of two independent systems (MRBS, Mobile Radio Broadcast System (AM, FM, SW) and MTBS, Mobile Television Broadcast System (VHF, UHF)) capable of receiving audio and video products for broadcasting. SOMSB is part of POBS for FY 2009.

6. Commando Solo supports combat operations by flying psychological operations broadcast missions for the purpose of broadcasting radio and/or television signals deep into denied territory. These broadcasts are made from EC-130J aircraft that are equipped with high powered transmitters and large antenna arrays which operate in the 0.45 - 1,000 MHz frequency range. The Commando Solo program acquisition strategy modifies three EC-130J aircraft with a hardwired Commando Solo capability.

7. Deployable Print Production Center (DPPC). DPPC is a rapid deployable, shelter-mounted light print system for creating, editing, and producing PSYOP print products at forward locations. It consists of commercial-off-the-shelf and government-off-the-shelf components mounted on a heavy High Mobility Multi-Wheeled Vehicle with a generator. The DPPC is an integrated suite of office systems designed to be interoperable with the Modular Print System and consists of a high output digital duplicator, a PSYOP print development workstation, scanner, paper cutter, and both color copiers and printers. The DPPC will be deployed with the first contingent of PSYOP personnel in the earliest stages of an operation or upon notification of a theater commander's requirement. Once deployed, the DPPC will serve the PSYOP element as a mobile

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<p>print production facility capable of complete print operations including product layout, printing, and cutting. Existing commercial or government available software will be used, thereby eliminating the need for specialized software development. The system will be capable of independent print operations or acting as the lead print system until larger print facilities are on site. The Deployable Print Production Center will be interoperable with other print, editing, and production facilities, DOD, and other government agencies (Drug Enforcement Agency/Federal Bureau of Investigation/Alcohol, Tobacco, and Firearms/Customs) working in concert with SOF personnel during joint or combined operations. This program was replaced by Psychological Operations Print System (POPS) effective in FY 2008.</p> <p>8. Psychological Operations Media Displays (POMD). POMD will be an easily transportable, state of the art, family of stand-alone, and interconnected electronic media displays and projection systems designed to disseminate direct PSYOP electronic messages to target audiences. The family of electronic media displays will consist of Electronic Media Display, Media Display System, Electronic Paper, Scatterable Media, Area Denial System, Ground Projection, Aerial Projection, and Space Projection. The electronic media displays will be building block light emitting diode (LED) displays for changeable visual messages to be presented day and night. Media Display System will be standalone electronic media displays capable of presenting full audio/video products. Electronic Paper will be sheet, poster, bill-board media capable of presenting video or text that can be changeable. Area Denial System will present visual and audio messages and will be sensor activated. The Ground/Aerial/Space Projection systems are intended to provide deception, non-lethal global targeting, projection and distribution of PSYOP products.</p>		

Exhibit P-40A, Budget Item Justification for Aggregated Items PSYOP EQUIPMENT						Date: FEBRUARY 2008						
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
1. FAMILY OF LOUDSPEAKERS (FOL)												
A. Manpack	NAVAIR, St. Indigoes, MD		413	5,382	21	746						
B. Vehicle/Watercraft	NAVAIR, St. Indigoes, MD		347	10,762	21	1,773						
C. Next Generation Loudspeaker Systems (NGLS) - Manpack	TBD						116	5,533	21	936		
D. NGLS - Vehicle/Watercraft Variant	TBD						116	9,735	21	1,458		
E. NGLS - Unmanned Air Vehicle (UAV) Variant	TBD								4	9,368		
F. NGLS - Unmanned Ground Vehicle (UGV) Variant	TBD								6	2,083		
G. NGLS - Scatterable Media Long Duration (SMLD) Variant	TBD								54	1,558		
H. NGLS - Scatterable Media Short Duration (SMSD) Variant	TBD								54	1,558		
I. NGLS - Ancillary Equipment	TBD											
J. Initial Spares/Repair Parts								208		1,578		
K. Initial Training								397		413		
Subtotal				16,144		2,519		15,873		18,952		
2. LEAFLET DELIVERY SYSTEM (LDS)												
A. Wind Supported Air Delivery System												
(1) Hardware	Mist Mobility Integrated System Technology Inc., Ontario, Canada											
(a) LRIP Articles			4	1,194								
(b) Production Articles			30	11,816								
(2) Engineering Change Orders				52								
(3) Ancillary Equipment				930								
(4) Ancillary Production Support/Initial Training/Warranty				2,351								
(5) Initial Spares				214								
(6) Currency Conversion				741								
(7) Next Generation Leaflet Delivery System								995				
Subtotal				17,298				995				
3. PSYOP BROADCAST SYSTEM (POBS)												
A. PSYOP Distribution System (PDS)												
(1) PDS Receive transmit (R/T)	SPAWAR Telecom; Freemont, CA and NAWCAD, Patuxent River, MD		11	17,615								
Non-Add DERF			2	2,626								
(2) PDS R/T Initial Spares/Repair Parts	NAWCAD, Patuxent River, MD			2,118								
Non-Add DERF				472								
(3) PDS-Light	SPAWAR, Charleston, SC						102	5,906	29	1,679		
(4) PDS-Medium	SPAWAR, Charleston, SC						8	2,792	7	2,320		
(5) PDS Receive Only (R/O)	NAWCAD, Patuxent River, MD		11	10,337								
(6) PDS R/O Initial Spares/Repair Parts	NAWCAD, Patuxent River, MD			773								
(7) Legacy Equipment Upgrades	NAWCAD, Patuxent River, MD			2,216								
(8) Ka-Band Upgrades	SPAWAR, Charleston, SC					9	9,659					
(9) Co-Polarization Upgrade	SPAWAR, Charleston, SC											
(10) PDS IP Conversion	SPAWAR, Charleston, SC											
Non-Add DERF	NAWCAD, Patuxent River, MD			1,717								
B. Fly-Away Broadcast Systems												
(1) SW Broadcast	NAWCAD, Patuxent River, MD		4	1,399								
(2) 5/10KW AM Broadcast	NAWCAD, Patuxent River, MD		4	3,168								
(3) FABS Initial Spares/Repair Parts	NAWCAD, Patuxent River, MD			1,411				543		293		

Exhibit P-40A, Budget Item Justification for Aggregated Items PSYOP EQUIPMENT							Date: FEBRUARY 2008					
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2007		FY 2008		FY 2009			
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost		
3. PSYOP BROADCAST SYSTEM (POBS) (Cont'd)												
(4) Fly-Away Broadcast System (FABS) Radio Prod Transit Case	NAWCAD, Patuxent River, MD		4	693								
(5) FABS FM Broadcast	NAWCAD, Patuxent River, MD		4	1,162								
(6) FABS TV Broadcast	NAWCAD, Patuxent River, MD		4	5,798								
(7) FABS TV Prod Transit Case	NAWCAD, Patuxent River, MD		4	2,237								
(8) FABS Fly Away Broadcast Radic							2	6,990	1	3,804		
(9) FABS Fly Away Broadcast Integrator								3,850		3,715		
(10) FABS Initial Training								326		176		
C. Media Production Center (MPC)												
(1) Hardware			1	4,506								
(2) MPC Psyop Distribution System (PDS)			2	3,786								
(3) Phase III & IV Upgrades				2,792								
(4) Initial Spares & Repair Parts				612								
(5) Upgrade to Objective Capability				2,762								
D. Theater Media Production Center (TMPC)												
(1) Hardware	NAWCAD, Patuxent River, MD		1	7,263								
(2) TMPC Psyop Distribution System (PDS)	SSE Telecom; Freemont, CA		1	2,380								
E. Long Range Broadcast System (LBR)												
(1) UAV Payloads	TBD											
Television Broadcast System										5	3,842	
FM Broadcast System								5	1,348	4	1,187	
Unmanned Aerial Vehicle (UAV) Platform Upgrade												
UAV Platform Integration											396	
Command and Control Module												
Initial Spares/Repair Parts											620	
Initial Training											155	
Ancillary Equipment and Support				1,262								
F. SOMSB												
(1) Mobile Radio Broadcast System										5	16,031	
a. Mobile Radio Broadcast System Integration											6,659	
(2) Mobile Television Broadcast System												
(3) Initial Spares											1,233	
(4) Initial Training											740	
(4) Ancillary Equipment												
Subtotal				79,105		9,659		21,755			45,826	
4. PSYOP PRINT SYSTEM (POPS)												
A. POPS Hardware Lite	NAVAIR, Lexington Park, MD		2	12,000				3	1,762			
(1) POPS Hardware Lite Integration									99			
B. POPS Hardware Medium								4	5,534			
(1) POPS Hardware Medium Integration									3,540			
C. POPS Hardware Heavy												
D. Initial Spares/Repair Parts									747			
E. Initial Training									243			
F. Ancillary Equipment												
Subtotal				12,000					11,925			
5. SPECIAL OPERATIONS MEDIA SYSTEMS B (SOMS B)												
A. Mobile Radio Broadcast System	NAVAIR, Lexington Park, MD					4	18,004		1,117			

