

United States Special Operations Command

Fiscal Year (FY) 2010 Budget Estimates

May 2009



Procurement, Defense-Wide

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UNITED STATES SPECIAL OPERATIONS COMMAND

PROCUREMENT DOCUMENTATION FOR THE FISCAL YEAR (FY) 2010 BUDGET ESTIMATE

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ORGANIZATIONS

ISOW	1st Special Operations Wing
160th SOAR	160th Special Operations Aviation Regiment
AFSOC	Air Force Special Operations Command
ARSOA	Army Special Operations Aviation
BGAD	Bluegrass Army Depot
CERDEC	Communications-Electronics Research, Development and Engineering Center
CSO	Center for Special Operations
DARPA	Defense Advanced Research Projects Agency
DTRA	Defense Threat Reduction Agency
FDA	Federal Drug Administration
JSOAC	Joint Special Operations Aviation Component
MARSOC	Marine Special Operations Command
NATO	North Atlantic Treaty Organization
NAVAIR	Naval Aviation Systems
NAVSCIATTS	Naval Small Craft Instructor and Technical Training School
NAVSPECWARCOM	Naval Special Warfare Command
NSA	National Security Agency
NSWC	Naval Special Warfare Command
PMA-275	V-22 Joint Program Office
SOFSA	Special Operations Forces Support Facility
TAPO	Technology Applications Program Office
TSOC	Theater Special Operations Command
USAF	United States Air Force
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
AEP	Alternate Engine Program
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
AM	Amplitude Modulation
AMP	Avionics Modernization Program
AMR	Anti-Materiel Rifle
AOBPS	Aircraft Occupant Ballistic Protection System
ARAP	ASDS Reliability Action Panel
ARH	Armed Reconnaissance Helicopter
AS&C	Advanced Systems Concept
ASD	Assistant Secretary of Defense
ASDS	Advanced Sea, Air, Land Delivery System
ASE	Aircraft Survivability Equipment
ASIC	Application Specific Integrated Circuit
ASM	Anti Structural Munitions
ATACMS	Army Tactical Missile System
ATC	Air Traffic Control
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

ACRONYMS

ATPS	Advanced Tactical Parachute System
ATTWR	Advanced Tactical Threat Warning Radio
ATV	All Terrain Vehicle
AWE	Aircraft, Weapons, Electronics
BALCS	Body Armor Load Carriage System
BFT	Blue Force Tracking
BIO	Basic Input Output
BLOS	Beyond Line-of-Site
BLOSESM	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
CAMS	Combat Autonomous Mobility System
CAPS	Counter-Proliferation Analysis and Planning System
CASEVAC	Casualty Evacuation
CBN	Chemical, Biological and Nuclear
CCCEKIT	Combat Casualty Care Equipment Kit
CCD	Coherent Change Detection
CCD	Charged Coupled Device (Forward Looking Infrared Radar Only)
CCFLIR	Combatant Craft Forward Looking Infrared
CDB	Common Database
CDR	Critical Design Review
CERP	Capital Equipment Replacement Plan
CESE	Civil Engineering Support Equipment
CFE	Contractor Furnished Equipment
CGF	Computer Generated Forces
CINC	Commander in Chief

ACRONYMS

CLR	Combat Loss Replacement
CMNS	Combat Mission Needs Statement
CMR	Combat Mission Requirement
CMS	Combat Mission Simulator
CNVD	Clip-On Night Vision Device
COIL	Chemical Oxygen Iodine Laser
COMSEC	Communications Security
CONOPS	Concept of Operations
COTM	Communications On-the-Move
COTS	Commercial-Off-The-Shelf
COW	Cost of War
CP	Counter-Proliferation
CPAF	Cost Plus Award Fee
CQBR	Close Quarters Battle Rifle
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
DBP	Demolitions and Bleaching Program
DCGS	Data Common Ground/Surface System
DCS	Decompression Sickness
DDRE	Director, Defense Research & Engineering
DDS	Dry Deck Shelter
DERF	Defense Emergency Response Fund
DF	Direction Finding'
DHEA	Dehydroepiandrosterone
DHIP	Defense Human Intelligence Program
DIAM	Data Interface Acquisition Module

ACRONYMS

DIRCM	Directional Infrared Countermeasures
DISN	Defense Information Systems Network
DMCS	Deployable Multi-Channel SATCOM
DMS	Diminished Manufacturing Sources (ASDS)
DMS	Defense Message System
DMO	Distributed Mission Operations
DMR	Distributed Mission Rehearsal
DMT	Distributed Mission Training
DMTRS	Distributed Mission Training Rehearsal System
DDP	Detachment Deployment Package
DPPC	Deployable Print Production Center
DT	Development and Test
DT&E	Development, Test and Evaluation
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
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
EP	Extension Packages
EPRO	Environmental Protection
ESA	Enhanced Situational Awareness
ETCAS	Enhanced Traffic Alert and Collision Avoidance System
EUE	Extended User Evaluation
ETI	Evolutionary Technology Insertion

ACRONYMS

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
FCU	Fire Control Unit
FDEK	Forward Deployed Equipment Kits
F&DR	Fielding & Deployment Release
FEPSO	Field Experimentation Program for Special Operations
FFE	Fire From Enclosure
FLIR	Forward Looking Infrared Radar
FM	Frequency Modulation
FMBS	Family of Muzzle Brake Suppressors
FNM	Foreign & Nonstandard Materiel
FOL	Family of Loud Speakers
FPM	Flight Performance Model
FSDS	Family of Sniper Detection Systems
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
GIG	Global Information Grid
GMS-2	Gunship Multispectral System
GMV	Ground Mobility Vehicles
GMVAS	Ground Mobility Visual Augmentation Systems
GO	Global Observer
GOTS	Government-Off-the-Shelf
GPK	Gunner Protection Kit

ACRONYMS

GPS	Global Positioning System
GSK	Ground Signal Intelligence Kit
GSN	Global Sensor Network
GV	Ground Vehicle
GVSA	Global Video Surveillance Activity
GWOT	Global War on Terrorism
H-SUV	Hardened-Sport Utility Vehicle
HALE	High Altitude Long Endurance
HE	High Explosive
HEI	High Explosive Incendiary
HF	High Frequency
HFIS	Hostile Fire Indicating System
HFTTL	Hostile Forces Tagging, Tracking, and Locating
HLA	High Level Architecture
HMMWV	High Mobility Multi-purpose Wheeled Vehicle
HMU	Hydrographic Mapping Unit
HPFOTD	High Power Fiber Optic Towed Decoys
HPMMR	High Performance Multi-Mission Radio (PRC-117F)
HPS	Human Patient Simulator
HQ	Headquarters
HRLMD	Hydrographic Reconnaissance Littoral Mapping Device
HSB	High Speed Boat
HSR	Heavy Sniper Rifle
HUD	Heads Up Display
IAS/CMS	Integration Avionics System/Cockpit Management System
IBR	Intelligence Broadcast Receiver
IBS	Integrated Bridge System
IBS	Integrated Broadcast Service
IC	Interim Configuration
ICAD	Integrated Control and Display
ICLS	Interim Contractor Logistics Support
ICS	Integrated Combat System
ICS	Interim Contractor Support
ICS	Internal Communication Systems

ACRONYMS

IDAP	Integrated Defensive Armed Penetrator
IDAS	Interactive Defensive Avionics Subsystem
IDS	Infrared Detection System
IED	Improvised Explosive Devices
IFF	Identify Friend or Foe
IGPS	Iridium Global Positioning System
ILM	Improved Limpet Mine
IM	Insensitive Munitions
IMFP	Integrated Multi-Function Probe
ILS	Integrated Logistics Support
INFOSEC	Information Security
INOD	Improved Night/Day Observation/Fire Control Device
INS	Inertial Navigation System
IOC	Initial Operational Capability
IP	Internet Protocol
IPOC	Initial Proof-of-Concept
IPT	Integrated Product Team
IR	Infrared
IRCM	Infrared Countermeasures
ISOCA	Improved Special Operations Communications Assemblage
ISR	Intelligence Surveillance and Reconnaissance
ISR&T	Intelligence Surveillance and Reconnaissance and Target
ISSMS	Improved SOF Manpack System
ITMP	Integrated Technical Management Plan
IWIS	Integrated Warfare Info System
JBS	Joint Base Station
JCAS	Joint Close Air Support
JCIDS	Joint Capabilities Integration and Development System
JCS	Joint Chiefs of Staff
JCTD	Joint Concept Technology Demonstration
JDISS	Joint Deployable Intelligence Support System
JEM	Joint Enhanced Multi-Purpose Inter/Intra Team Radio
JHL	Joint Heavy Lift
JMPS	Joint Mission Planning System

ACRONYMS

JOS	Joint Operational Stocks
JSOAC	Joint Special Operations Aviation Components
JSOTFS	Joint Special Operations Task Force
JSTAR	Joint Surveillance and Target Attack Radar System
JTA	Joint Table of Allowances
JTC	Joint Terminal Control
JTCITS	Joint Tactical C4I Transceiver System
JTRS	Joint Tactical Radio System
JTWS	Joint Threat Warning System
JWIC	Joint Worldwide Communication 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
LED	Light Emitting Diode
LEP	Lightweight Environmental Protection
LMG	Lightweight Machine Gun
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
LRIP	Low Rate Initial Production
LRU	Line Replaceable Unit
LRV	Light Reconnaissance Vehicle
LSV	Logistics Support Vehicle
LTAV	Lightweight Tactical All Terrain Vehicle
LTD	Laser Target Designator
LTDR	Laser Target Designator/Rangefinder

ACRONYMS

LTI	Lightweight Thermal Imager
LTTG	Locating, Tagging, and Tracking for Global War on Terrorism
LWC	Littoral Warfare Craft
LWCM	Lightweight Counter-Mortar
LWHF	Lightweight Hellfire
M4MOD	M4A1 SOF Carbine Accessory Kit
MAAS	Multimedia Analyst Archive System
MAAWS	Multi-Purpose Anti-Armor/Anti-Personnel Weapons System
MALET	Medium Altitude Long Endurance Tactical
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
MCOTS	Modified Commercial Off the Shelf
MCU	Multipoint Conferencing Unit
MDA	Maritime Domain Awareness
MDNS	Mini Day/Night Sight
MELB	Mission Enhancement Little Bird
MET	Meteorological
METOC	Meteorological and Oceanographic
MICH	Modular Integrated Communications Helmet
MK V	Mark V
MMB	Miniature Multiband Beacon
MMPV	Medium Mine Protected Vehicles
MMR	Multi-Mode Radar
MOA	Memorandum of Agreement
MONO-HUD	Monocular Head Up Display
MP	Manpack
MPARE	Mission Planning, Analysis, Rehearsal and Execution
MPC	Media Production Center

ACRONYMS

MRAP	Mine Resistant Ambush Protected
MPK	Mission Planning Kits
MRD	Mission Rehearsal Device
MTBS	Mobile Television Broadcast System
MTPS	Mission Training and Preparation System
MUA	Military Utility Assessment
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
NGLS	Next Generation Loudspeaker System
NISH	National Institute of Severly Handicapped
NM	Nautical Miles
NOSC	Network Operations Systems Center
NRE	Non-Recurring Engineering
NSAV	Non-Standard Aviation
NSCV	Non Standard Commercial Vehicle
NSM	Nonstandard Materiel
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
OPUS	Optimal Placement of Unattended Sensors
ORD	Operational Requirements Document
OT	Operational Test

ACRONYMS

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
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
PGL	Precision Geo-Location
PIMM	Payload Interface Master Module
PLTD	Precision Laser Targeting Device
PM	Program Manager
PM-MCD	Project Manager for Mines, Countermeasures and Demolitions
PMO	Program Management Office
PMP	Prime Mission Product
PMT	Program Management
POBS	Psychological Operations Broadcasting System
POMD	Psychological Operations Media Display
POPAS	PSYOP Planning and Analysis System
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

ACRONYMS

RAMS	Remote Activated Munitions System
REITS	Rapid Exploitation of Innovative Technologies for SOF
RF	Radio Frequency
RFP	Request for Proposal
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
RPG	Rocket Propelled Grenade
RPUAS	Rucksack Portable Unmanned Aircraft System
RSTA	Reconnaissance Surveillance Target Acquisition
RW	Rotary Wing
RWR	Radar Warning Receivers
SA	Situational Awareness
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	SOF Deployable Node
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

ACRONYMS

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
SLED	SOF Long Endurance Demonstrator
SLEP	Service Life Extension Program
SMAX	Special Operations Command Multipurpose Antenna, X-Band
SMG	SOF Machine Gun
SMLD	Scatterable Media Long Duration
SMSD	Scatterable Media Short Duration
SMRS	Special Mission Radio System
SO	Special Operations
SOC	Special Operations Craft
SOC	Special Operations Command
SOCR	Special Operations Craft-Riverine
SOCRATES	Special Operations Command, Research, Analysis and Threat Evaluation System
SOEP	Special Operations Eye Protection
SOF	Special Operations Forces
SOFC	Solid Oxide Fuel Cell
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	Special Operations Media Systems
SOPGM	Standoff Precision Guided Munition

ACRONYMS

SOPMOD	SOF Peculiar Modification
SOPMODM-4	SOF Peculiar Modification-M4 Carbine
SORBIS	Special Operations Resouce Business Information System
SOST	Special Operations Special Technology
SOTD	Special Operations Technology Development
SOTVS	Special Operations Tactical Video System
SOVAS B/M	Special Operations Visual Aumentation System Binocular/Monocular
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
SRTV	Secure Real Time Video
SSE	Sensitive Site Exploitation
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
STEP	Standard Tactical Entry Point
STD	Swimmer Transport Device
SW	Short-Wave
SWALIS	Special Warfare Automated Logistic Information System
SWIR	Short-Wave Infrared Sensor
SWORDS	Special Weapons Observation and Remote Direct-Action System
SYDET	Sympathetic Detonator
TA	Target Audiences
TACLAN	Tactical Local Area Network
TACTICOMP	Tactical Computer
TAT	To-Accompany Troops
TCCCE	Tactical Combat Casualty Care Equipment
TCCCEKIT	Tactical Combat Casualty Care Equipment Kit

ACRONYMS

TCV	Transit Case Variant
TDFD	Time Delay Firing Device
TDE	Technology Development Exploitation
TF/TA	Terrain Following/Terrain Avoidance
TMPC	Theater Media Production Center
TPE	Theater Provided Equipment
TPED	Tactical Processing, Exploitation, and Dissemination
TEI	Technology Exploitation Initiative
TRR	Test Readiness Review
TRS	Tactical Radio System
TRS	Training and Rehearsal System
TSOC	Theater Special Operations Command
TT	Team Transportable
TTHM	Titanium Tilting Helmet Mount
TTL	Tagging, Tracking & Locating
TV	Television
UARRSI	Universal Aerial Refueling Receptacle Slipaway
UAS	Unmanned Aerial System
UAV	Unmanned Aerial Vehicle
UBA	Underwater Breathing Apparatus
UGS	Unattended Ground Sensor
UGV	Unmanned Ground Vehicle
UHF	Ultra High Frequency
UHMS	Undersea and Hyperbaric Medicine Society
UK	United Kingdom
US	United States
UTB	Unclassified Test Bed
UTC	Unit Type Code
UV	Unmanned Vehicles
UVT	Unmanned Vehicle Targeting
VBL	Visible Bright Lights
VCUAS	Vehicle Craft Unmanned Aircraft System
VESTA	Vibro-Electronic Signature Target Analysis
VHF	Very High Frequency

ACRONYMS

VSD	Variable Speed Drogue
VSAT	Very Small Aperture Terminal
VSWMCM	Very Shallow Water Mine Countermeasures
VTC	Video Teleconferencing
W	Watercraft
WIFI	Wireless Fidelity
WIN-T	Warfighter Information Network-Tactical
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
WST	Weapon System Trainer

PROCUREMENT PROGRAM

Appropriation: Procurement, Defense -Wide

MAY 2009

Millions of Dollars

P-1 <u>Item Nomenclature</u>	FY 2008			FY 2009				FY 2010		
	FY 2008	Contingency/	FY 2008	FY 2009	FY 2009	Overseas	FY 2009	FY 2010	Overseas	FY 2010
	Baseline	Title IX	Total	Baseline	Bridge	Request	Total	Baseline	Request	Total
51 Rotary Wing Upgrades and Sustainmant	71.663		71.663	89.197			89.197	101.936		101.936
52 MH-47 Service Life Extension Program	60.840	34.400	95.240	63.479			63.479	22.958	5.900	28.858
53 MH-60 SOF Modernization Program	76.238		76.238	97.763			97.763	146.820		146.820
54 Non-Standard Aviation	58.546		58.546	39.056			39.056	227.552		227.552
55 Unmanned Vehicles	25.705	156.707	182.412	55.397			55.397			
56 SOF Tanker Recapitalization	14.752	59.899	74.651	11.253			11.253	34.200		34.200
57 SOF U-28				7.636			7.636	2.518	3.000	5.518
58 MC-130H, Combat Talon II	32.115		32.115							
59 CV-22 SOF Mod	197.559	160.160	357.719	162.490			162.490	114.553		114.553
60 MQ-1 UAV								10.930	1.450	12.380
61 MQ-9 UAV								12.671		12.671
62 STUASLO								12.223	12.000	24.223
63 C-130 Modifications	117.226	11.000	128.226	33.179	17.000		50.179	59.950	19.500	79.450
64 Aircraft Support	0.336		0.336	1.343			1.343	0.973		0.973
65 Advanced SEAL Delivery System (ASDS)	10.549		10.549	5.743			5.743	5.236		5.236
66 MK8 Mod1 SEAL Delivery Vehicle	8.692		8.692	7.040			7.040	1.463		1.463
67 SOF Ordnance Replenishment	56.585	32.759	89.344	66.885	43.640	1.000	111.525	61.360	51.156	112.516
68 SOF Ordnance Acquisition	21.231	39.600	60.831	12.503			12.503	26.791	17.560	44.351
69 Communications Equipment and Electronics	169.637	3.900	173.537	73.004		3.100	76.104	55.080	2.000	57.080
70 SOF Intelligence Systems	72.450	44.946	117.396	55.957		8.100	64.057	72.811	23.260	96.071
71 Small Arms and Weapons	167.736	30.845	198.581	23.420			23.420	35.235	3.800	39.035

P-1 Item Nomenclature	FY 2008			FY 2009				FY 2010		
	FY 2008 Baseline	Overseas Contingency/ Title IX	FY 2008 Total	FY 2009 Baseline	FY 2009 Bridge	Overseas Contingency Request	FY 2009 Total Request	FY 2010 Baseline	Overseas Contingency Request	FY 2010 Total Request
72 Maritime Equipment Modifications	2.932		2.932	1.261			1.261	0.791		0.791
73 Special Application for Contingencies	11.966		11.966	12.447			12.447			
74 SOF Combatant Craft Systems	22.533		22.533	21.611			21.611	6.156		6.156
75 Spares and Repair Parts	2.126		2.126	3.262			3.262	2.010		2.010
76 Tactical Vehicles	13.202	538.458	551.660	3.691			3.691	18.821	6.865	25.686
77 Mission Training and Preparation Systems	69.541		69.541	36.044			36.044	17.265		17.265
78 Combat Mission Requirements	17.203		17.203	19.941			19.941	20.000		20.000
79 MILCON Collateral Equipment	12.416		12.416	11.687			11.687	6.835		6.835
81 SOF Automation Systems				55.085			55.085	60.836		60.836
82 SOF Global Video Surveillance Activities ¹				15.815			15.815	12.401		12.401
83 SOF Operational Enhancements Intelligence ¹				25.816	33.750		59.566	26.070	11.000	37.070
84 SOF Soldier Protection & Survival Systems				19.398	16.250		35.648	0.550		0.550
85 SOF Visual Augmentation, Laser, & Sensor Systems				25.276			25.276	33.741		33.741
86 SOF Tactical Radio Systems				23.497			23.497	53.034	5.448	58.482
87 SOF Maritime Equipment	6.926		6.926	13.410			13.410	2.777		2.777
88 Drug Interdiction	2.429		2.429							
89 Miscellaneous Equipment	14.022		14.022	15.286			15.286	7.576		7.576
90 SOF Operational Enhancements ¹	373.825	88.763	462.588	318.502		1.797	320.299	273.998	11.900	285.898
91 PSYOP Equipment	46.137		46.137	55.614			55.614	43.081		43.081
999 Classified Programs ¹	11.241		11.241	8.207	1.380		9.587	5.573	2.886	8.459
¹ - Details are classified and will be provided under separate cover.										
TOTAL PROCUREMENT	1,768.359	1,201.437	2,969.796	1,491.195	112.020	13.997	1,617.212	1,596.775	177.725	1,774.500

BUDGET ITEM JUSTIFICATION SHEET	DATE MAY 2009
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APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE ROTARY WING UPGRADES AND SUSTAINMENT
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	Prior Years	FY 2008	FY 2009	FY 2010				
COST (In Millions \$)	1,698.381	71.663	89.197	101.936				

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 on-going 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 and A/MH-6 Modifications. The associated RDT&E funds are in Program Element 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 system. Modular Avionics integrates and procures a modular Intelligence Broadcast Receiver (IBR) and a modular replacement for obsolete Altitude 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 onto the ARSOA fleet of aircraft. The program funds upgraded survival radios to communicate with components during search and rescue operations. The program integrates the Global Air Traffic Management (GATM) system in accordance

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE ROTARY WING UPGRADES AND SUSTAINMENT	
<p>with international airspace regulations. The program integrates the Situational Awareness For Safe Aircraft Recovery (SAFEAIR), which uses inertial navigation systems and onboard data to generate a 3-dimensional representation of the Earth's surface to increase battlespace awareness. The program integrates the Cognitive Decision Aiding System (CDAS), which fuses information on threat, route, weather, terrain, and friendly forces and instantaneously adjusts an aircraft's route to and from the object. 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.</p> <p>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 ARSOA fleet. The program integrates and qualifies the FLIR Pre-Planned Product Improvement (P3I), which consists of a drop-in, advanced, dual-color IR detector upgrade and a Short Wave IR detector. 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).</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures and installs "next generation" FLIR for the ARSOA fleet.</p> <p>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, reducing aircraft illumination against advanced IR-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.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures and installs the SIRFC system on the MH-47 Primary Aircraft Inventory (PAI) and procures radar warning receivers for the MH-60 fleet. See the P-3a exhibit for details.</p>		

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE ROTARY WING UPGRADES AND SUSTAINMENT	
<p>4. Passive Rotary Wing Survivability System Modifications. This program funds the procurement of passive aircraft survivability equipment for ARSOA. The 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. This program funds the integration and qualification of the Aircraft Occupant Ballistic Protection System (AOBPS) for ARSOA aircraft. This program replaces the current steel/kevlar and ultra-high molecular weight ballistic-tolerant materials with a lighter weight, resistant material to accomplish the ARSOA mission. This program integrates and qualifies the Hostile Fire Indication System for the MH-47G and MH-60M fleet. This program detects, classifies, and alerts the aircrew to the presence of small caliber weapons fire, which will allow evasive action and increase the aircrew's probability of survival. Program increased by FY 2005 and FY 2006 Congressional adds.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures and installs AOBPS for the ARSOA fleet. See the P-3A exhibit for details.</p> <p>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.</p> <p>6. Rotary Wing Weapons Modifications. Qualifies 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 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.</p> <p>7. MH-47 Modifications. This program funds modifications to Army Common ECPs, SOF-peculiar ECPs, safety of flight directives, Block I modifications 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. This program funds the continued spiral development to increase capabilities and incorporate emerging technologies into the MH-47G fleet.</p>		

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE ROTARY WING UPGRADES AND SUSTAINMENT	
<p>FY 2010 PROGRAM JUSTIFICATION: Funds various low cost modifications.</p> <p>8. A/MH-6 Modifications. Funds upgrades and modifications to the A/MH-6 Mission Enhanced Little Bird (MELB), component miniaturizations, SOF-peculiar ECPs, and low cost modifications. This program funds and integrates a replacement lightweight hellfire launcher and compact stores management unit to control all A/MH-6 weapons systems. This program will procure and install an integrated crashworthy, ballistic tolerant, ergonomic and crashworthy crew seat system for the A/MH-6M. This program will modify and qualify an Army-provided Armed Reconnaissance Helicopter 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.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Funds various low cost modifications and continues the lightweight hellfire launcher modification.</p>		

BUDGET ITEM JUSTIFICATION SHEET						DATE: MAY 2009				
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>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	
1. Mission Processor Upgrade	66.399									
2. Multi-Function Display	43.629	1.287								
3. Modular Avionics	133.854	9.730								
4. Next Generation FLIR	210.017	10.842	1.122	2.433						
5. MH-47-60 SIRFC	159.081	37.200	70.539	81.307						
6. MH6/47/60 Mission Equipment - Reduced Optical Signature Emissions Solution			3.761							
7. MH-60 Low Cost Modifications	65.214	4.735	2.104							
8. A/MH6/47/60 Mission Equipment - Aircraft Occupant Ballistic Protection				11.500						
9. Weapons Modernization	13.894	4.472								
10. MH-47 Low Cost Modifications	81.351	1.712	2.794	2.192						
11. A/MH-6 Low Cost Modifications	9.772	1.685	1.754	1.764						
12. A/MH-6 SOF Modification - Lightweight Hellfire Launcher			7.123	2.740						
SUBTOTAL FOR MODS	783.211	71.663	89.197	101.936						

DESCRIPTION/JUSTIFICATION: This program provides 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, which 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, as 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 Threat Environment Description. Jammers consist of both LRU-2, High Power Remote Transmitter (HPRT), and LRU-3, Electronics Countermeasures. The MH-60 aircraft have a validated requirements document and have been funded for RWR only.

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 a full-rate production contract awarded in April 2008. This P3a reflects the updated negotiated prices, new contract terms allowing individual LRU purchases, and Economic Order Quantity (EOQ) procurements. Pricing heavily affected by order quantity.

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Yrs		FY07		FY08		FY09		FY10		FY11		FY12		FY13		FY14		FY15		TC		TOTAL	
	Qty	\$	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 LRUs-1/4/5)	22	38.8	9	14.8	9	14.8	11	15.5	2	3.6													53	87.5
MH-47G LRU-1 Spares																							0	0.0
MH-47G LRU-4/5 Spares							5	3.3															5	3.3
MH-47G Electronic Countermeasures (LRU-3 Jammers) (Note 2)	11	9.2			15	11.6	6	5.2	21	17.5													53	43.5
NRE		67.1		4.4		1.2		1.4															0	74.1
Testing		4.7		1.0		1.2		0.7															0	7.6
MH-47G SIRFC Fielding Spt (Note 3)		1.5		8.6		3.9		3.6		5.0													0	22.6
DERF (Note 4)	2	9.8																					2	9.8
Army (P-2 provided B kits)	2																						2	0.0
MH-60M Radar Warning Receiver																							0	0.0
LRU-1							14	11.1	15	17.2													29	28.3
LRU-2A							12	2.9															12	2.9
LRU-3							12	4.8															12	4.8
LRU-4							18	11.2	41	27.1													59	38.3
LRU-5							4	0.4	41	1.3													45	1.7
LRU-1 Spares							3	2.4															3	2.4
LRU-4 Spares							3	1.9															3	1.9
LRU-5 Spares							3	0.1															3	0.1
MH-60M Fielding Support (Note 3)								1.8		3.7													0	5.5
MH-60M FlightTest Support										1.4													0	1.4
Install Cost																							0	0.0
Total Proc	38	121.7	26	37.4	33	37.2	95	68.3	129	81.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	321	345.9

Note 1: Installation A-kits (21) were co-funded with MH-47 SLEP, actual installation A-kit costs are reflected for FY07.

Note 2: Jammers are purchased at significant cost savings (Economic Order Quantity) in FY08 and required up front to support the MH-47 (2 ea LRU-3 per MH-47). Beginning with the 2008 contract award, negotiated terms allow for individual LRU purchases.

Note 3: SIRFC Fielding Support funds test equipment (PLM-4, USM-670, Aircraft adapter kits, fully representative diagnostic maintenance bench, initial depot layin/Aviation Unit Maintenance sparing, training, publications, and deployment support kits.

Note 4: DERF funding not included in the Total.

MODELS OF SYSTEMS AFFECTED: MH-47G, MH-60M, A/MH-6M

TYPE MODIFICATION: Survivability

MODIFICATION TITLE: Aircraft Occupant Ballistic Protection System (AOBPS)

DESCRIPTION/JUSTIFICATION: MH-47, MH-60, and A/MH-6 aircraft occupants are susceptible to small arms fire penetrating aircraft structures. The current steel Ballistic Protection System (BPS) is extremely heavy. To accomplish the Army Special Operations Aviation (ARSOA) mission, aircrews are often forced to remove the heavy, steel BPS and perform missions with no ballistic protection. Even in a BPS-equipped aircraft, windows provide no protection for aircraft occupants against small arms fire. The AOBPS will protect MH-47, MH-60, and A/MH-6 aircrews and passengers from a variety of small arms fire while allowing pilots and crewmembers to maintain current fields of view. The AOBPS will consist of two different types of ballistic-tolerant material. The first type will be a lighter weight replacement of current steel/kevlar and ultra-high molecular weight polyethylene ballistic-tolerant materials. The second type will be new transparent BPS material that affords a ballistic tolerance against small arms fire for windows.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

NANCIAL PLAN: (TOA, \$ in Millions)

	Prior Yrs		FY07		FY08		FY09		FY10		FY11		FY12		FY13		FY14		FY15		TC		TOTAL			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
RDT&E						0.9		1.6																2.5		
PROC																										
MH-47 A-kits									28	0.3														28	0.3	
MH-47 B Kits									10	6.0														10	6.0	
MH-47 Spares									1	0.5														1	0.5	
MH-60 A-kits (Note 1)									20	0.1														20	0.1	
MH-60 B Kits									10	1.5														10	1.5	
MH-60 Spares									2	0.3														2	0.3	
A/MH-6M A-kits									25	0.1														25	0.1	
A/MH-6M B Kits									34	1.5														34	1.5	
A/MH-6M Spares									3	0.2														3	0.2	
Integration Logistics Support										1.0															1.0	
Install Cost	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	73	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	73	0.0
Total Proc	0	0.0	0	0.0	0	0.0	0	0.0	73	11.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	73	11.5

Note 1: Ten (10) sets of MH-60 A-kits, B-kits, and installs will be funded by the MH-60 SOF Modernization Program.

MODELS OF SYSTEMS AFFECTED: MH-47G, MH-60M, A/MH-6M

MODIFICATION TITLE: Aircraft Occupant Ballistic Protection System (AOBPS)

INSTALLATION INFORMATION: Installation schedule reflects MH-47G, MH-60M, A/MH-6M A-Kit deliveries. B-Kits are plug and play after A-Kit installation and delivery. Installation labor costs are incurred during the year of installation. All MH-47G, MH-60M, A/MH-6M will be A-kitted for AOBPS during respective modernization schedules independent of AOBPS B-kit availability.

METHOD OF IMPLEMENTATION: Contractor/Depot Mod Line

MINISTRATIVE LEADTIME: 1 month

PRODUCTION LEADTIME: 3-6 months

Prior Year: Current Year: Budget Year 1: Jan 10 Budget Year 2:
 Prior Year: Current Year: Budget Year 1: Apr 10 Budget Year 2:

(\$ in Millions)

	Prior Yrs		FY07		FY08		FY09		FY10		FY11		FY12		FY13		FY14		FY15		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PYs																							0	0.0
FY07																							0	0.0
FY08																							0	0.0
FY09																							0	0.0
FY10											73												73	0.0
FY11																							0	0.0
FY12																							0	0.0
FY13																							0	0.0
FY14																							0	0.0
FY15																							0	0.0
To Complete																							0	0.0
	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	73	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	73	0.0

Installation Schedule

	PYs	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
In										20	20	20	13								
Out											20	20	20	13							
		FY14				FY15				TC				Total							
		1	2	3	4	1	2	3	4												
In														73							

BUDGET ITEM JUSTIFICATION SHEET	DATE MAY 2009
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APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE MH-47 SERVICE LIFE EXTENSION PROGRAM
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	Prior Years	FY 2008	FY 2008	FY 2008	FY 2009	FY 2010	FY 2010	FY 2010
		Baseline	Overseas Contingency Operations/Title IX	Total		Baseline	Overseas Contingency Operations	Total Request
COST (In Millions \$)	336.000	60.840	34.400	95.240	63.479	22.958	5.900	28.858

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 overseas contingency operations. 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.

FY 2010 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 2010 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Replaces and repairs equipment returning to theater that is either destroyed or worn out as a result of combat. This funding provides for repairs required over and above the basic wear and tear seen on inducted MH-47E aircraft due to increased deployment schedule.

BUDGET ITEM JUSTIFICATION SHEET

DATE: MAY 2009

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>FY 2008</u>	FY2008 Overseas Contingency Operations/ <u>Title IX</u>	FY2008 Total <u>Request</u>	<u>FY 2009</u>	FY 2010 <u>Baseline</u>	FY2010 Overseas Contingency Operations	FY2010 Total <u>Request</u>
1. MH-47 Service Life Extension Program	336.000	60.840	34.400	95.240	63.479	22.958	5.900	28.858
SUBTOTAL FOR MODS	336.000	60.840	34.400	95.240	63.479	22.958	5.900	28.858

DESCRIPTION/JUSTIFICATION: This program provides the MH-47 fleet a service life extension executed through spiral development with Block Upgrades (Blocks 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 (SOFS), Blue Grass Army Depot. Without a service life extension program, operational availability of the Army Special Operations Aviation (ARSOA) MH-47 fleet will decrease for the prosecution of overseas contingency operations. 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 MH-47G configuration, the inducted aircraft (CH-47D, MH-47D, MH-47E) require significant modifications of various combinations of the following: Long Range Fuel Tanks, Multimode Radar, Aerial Refueling Boom, Extended Nose, ARSOA unique communication/navigation equipment, aircraft survivability equipment, and weapons systems.

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

Integrated Logistics Support: 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 SOFS 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 Contract Award - Dec 07, Lot 7 Award - May 08.

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Yrs		FY07		FY08		FY09		FY10		FY11		FY12		FY13		FY14		FY15		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E		14.1																					0	0.0
PROC																							0	0.0
CH-47D Remanufactured Equipment		78.9																					0	78.9
MH-47D Remanufactured Equipment		19.2																					0	19.2
MH-47E Remanufactured Equipment		4.7		5.5		5.5																	0	15.7
ECP/NRE		98.1				0.7		1.3		3.6													0	103.7
Systems Engineering						2.5		1.7															0	4.2
CH-47D Conversion Kits *Note 1	32	105.2	1	6.7																			33	111.9
MH-47D Conversion Kit	9	25.6																					9	25.6
MH-47E Conversion Kit	0	0.0	5	13.3	6	15.6	6	15.0	2	10.0													19	53.9
Integrated Logistics Support																							0	0.0
Publications (IETMs)		23.7		6.9		4.9		4.8		4.7													0	45.0
Training		1.7		0.2																			0	1.9
MH-47E Demod ECP and Parts Recapitalization										4.6													0	4.6
Production Cost (Quantities Non-Add) *Note 2	43	329.4	6	38.9	6	31.6	6	40.7															0	440.6
MH-47G Replacement Aircraft & Battle-Loss Components (Quantities Non-Add) * Note 3	0	0.0	1	28.8	2	34.4																	0	63.2
Production Cost *Note 4										5.9													0	5.9
Other Prior Year Items		8.6																					0	8.6
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	0	0.0
Total Proc	41	695.1	6	100.3	6	95.2	6	63.5	2	28.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	61	982.9

*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 - Original SLEP performed by Boeing; the quantities of aircraft listed do not add to the bottom line quantities that represent the number of SOF modification kits purchased for the baseline aircraft.
 *Note 3 - Funding from FY07 & FY08 Supplemental for one MH-47G Replacement Aircraft and two sets of battle-loss components.
 *Note 4 - Overseas Contingency Operations funding requested for repairs over and above the current program level due to increased deployment schedule for platforms returning to theater.

BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
MH-60 SOF MODERNIZATION PROGRAM

	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)	194.508	76.238	97.763	146.820					

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 70 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 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 to convert a conventional U.S. Army UH-60M into the SOF-unique MH-60M configuration, as well as the non-recurring engineering effort for the incorporation and procurement of the alternate engine.

FY 2010 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 P-3a exhibit for details.

BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

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>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>FY14</u>	<u>FY15</u>
1. MH-60 SOF Modernization Program	194.508	76.238	97.763	146.820					
SUBTOTAL FOR MODS	194.508	76.238	97.763	146.820					

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 70 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 overseas contingency operations.

Delivery of the first two UH-60M "Baseline" aircraft occurred in FY07. Modification of MH-60M aircraft is based on the Army's delivery of UH-60M in the "Baseline" configuration.

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		FY07		FY08		FY09		FY10		FY11		FY12		FY13		FY14		FY15		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDTE		5.9																					0	5.9
PROC																							0	
																							0	
Production Support		4.6		0.7		0.9		1.8		1.5													0	9.5
Systems Engineering		8.0		6.0		9.6		10.0		7.5													0	41.1
Systems Integration		81.1		9.0		14.5		6.8		3.2													0	114.6
Integrated Logistical Support		16.6		4.9		5.5		7.4		11.6													0	46.0
Government Furnished Equipment (GFE)		17.7		14.9		12.7		22.1		19.4													0	86.8
GFE - Engines	4	10.3	35	29.2			3	3.0	28	28.7													70	71.2
GFE - Engine Spares	2	5.3	11	10.3			1	0.9	8	7.1													22	23.6
Manufacturing and Kitting				11.0		7.6		11.4		15.2													0	45.2
Engineering Changes		3.5				2.2		1.3		2.9													0	9.9
Aircraft De-Mods																							0	0.0
Install Cost	0	0.0	4	8.3	7	23.2	8	33.1	12	49.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	29	114.3
Total Proc	6.0	147.1	46.0	94.3	0	76.2	4	97.8	36	146.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	92	562.2

MODELS OF SYSTEMS AFFECTED: MH-60

MODIFICATION TITLE: MH-60 SOF Modernization Program

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 Bluegrass Army Depot 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		FY07		FY08		FY09		FY10		FY11		FY12		FY13		FY14		FY15		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PYS																							0	0.0
FY07			2	8.3																			2	8.3
FY08					7	23.2																	7	23.2
FY09							8	33.1															8	33.1
FY10									12	49.7													12	49.7
FY11																							0	0.0
FY12																							0	0.0
FY13																							0	0.0
FY14																							0	0.0
FY15																							0	0.0
To Complete																							0	0.0
	0	0.0	2	8.3	7	23.2	8	33.1	12	49.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	29	114.3

Installation Schedule

	PY	FY09				FY10				FY11				FY12				FY13				FY14			
		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	10	2	2	2	2	3	2	3	4																
Out	6		4	3	2	2	2	2	3																

	FY15				FY15				TC	Total
	1	2	3	4	1	2	3	4		
In										30
Out										24

BUDGET ITEM JUSTIFICATION SHEET						DATE MAY 2009			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE NON-STANDARD AVIATION						
	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY		8	6	9					
COST (In Millions \$)		58.546	39.056	227.552					
<p>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 overseas contingency operations. 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.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Funds MFP-11 costs associated with the procurement of nine NSAV aircraft and associated initial spares in FY 2010.</p>									

BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSEWIDE/2

P-1 ITEM NOMENCLATURE
UNMANNED VEHICLES

	Prior Years	FY 2008	FY 2008	FY 2008	FY 2009	FY 2010		
		Baseline	Overseas Contingency Operations	Total Request				
COST (In Millions \$)	189.640	25.705	156.707	182.412	55.397			

Beginning in FY 2010, new P-1 Line items were established for MQ-1 Predator A Unmanned Aerial Vehicle (UAV) and MQ-9 UAV. All resources were moved from the Unmanned Vehicles P-1 Line Item.

MISSION AND DESCRIPTION: The Unmanned Vehicles line item provides funding to acquire and support a combination of Special Operations Forces (SOF)-unique systems. 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, 1160428BB, and 1105219BB.

BUDGET ITEM JUSTIFICATION SHEET

APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE / 2					P-1 ITEM NOMENCLATURE UNMANNED VEHICLES	
MODIFICATION SUMMARY						
<u>DESCRIPTION</u>	<u>Prior Years</u>	<u>FY 2008</u>	<u>FY2008 Overseas Contingency Operations/ Title IX</u>	<u>FY2008 Total Request</u>	<u>FY 2009</u>	
1. Block 20 Upgrade		18.185	17.100	35.285	22.561	
SUBTOTAL FOR MODS		18.185	17.100	35.285	22.561	

BUDGET ITEM JUSTIFICATION SHEET	DATE MAY 2009
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APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SOF TANKER RECAPITALIZATION
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	Prior Years	FY 2008	FY 2008	FY 2008	FY 2009	FY 2010		
		Baseline	Overseas Contingency Operations	Total Request	Baseline	Baseline		
COST (In Millions \$)		14.752	59.899	74.651	11.253	34.200		

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 CV-22 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, defensive systems, cargo handling provisions, variable speed refueling drogue, situational awareness systems, navigation systems, and crew provisions. The associated RDT&E funds are in Program Element 1160429BB. FY 2008 Supplemental funds were added to procure SOF-peculiar systems and non-recurring engineering for seven additional aircraft.

FY 2010 PROGRAM JUSTIFICATION: Continues non-recurring engineering and integration. Initiates production-line SOF-peculiar upgrades for four aircraft.

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BUDGET ITEM JUSTIFICATION SHEET					DATE MAY 2009			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2			P-1 ITEM NOMENCLATURE SOF U-28					
	Prior Years	FY 2008	FY 2009	FY 2010	FY 2010	FY 2010		
			Baseline	Baseline	Overseas Contingency Operations	Total Request		
COST (In Millions \$)			7.636	2.518	3.000	5.518		
<p>MISSION AND DESCRIPTION: The U-28 line funds low cost modifications to the SOF U-28 aircraft to meet evolving mission requirements. There are no associated RDT&E funds.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures new video and sensor hardware to replace outdated unsupportable systems.</p> <p>FY 2010 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Modifies 22 of the U-28 aircraft with Link 16. This capability will provide the aircrew the ability to "see" the airspace around the aircraft, allowing continuous updated information during operations with Combat Air Forces (CAF) as well as monitoring of Air Order of Battle, Electronic Order of Battle, and Ground Order of Battle. Increased crew situational awareness decreases chances of fratricide. LINK-16 is the most commonly used CAF data link today. It will allow crews and commanders the best overall picture of the battle space when working with conventional forces. Link-16 provides a more comprehensive battle space picture than Situational Awareness Data Link that is currently being installed in U-28A Block 20E Aircraft.</p>								

BUDGET ITEM JUSTIFICATION SHEET					DATE: MAY 2009	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE / 2			P-1 ITEM NOMENCLATURE SOF U-28			
MODIFICATION SUMMARY						
<u>DESCRIPTION</u>	<u>Prior Years</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010 Baseline</u>	<u>Overseas Contingency Operations</u>	<u>FY2010 Total Request</u>
1. U-28 Block 20 Retrofit			7.636			
2. U-28 Low Cost Modifications				2.518		2.518
3. U-28A Link-16					3.000	3.000
SUBTOTAL FOR MODS			7.636	2.518	3.000	5.518

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BUDGET ITEM JUSTIFICATION SHEET							DATE MAY 2009		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2				P-1 ITEM NOMENCLATURE MC-130H, COMBAT TALON II					
	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)	1,988.977	32.115							
<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. Program increased by Supplemental funds in FY 2005. The associated RDT&E funds were in Program Element 1160404BB. The P-1 line is comprised of the following program:</p> <p>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 FY 2006, 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.</p>									

BUDGET ITEM JUSTIFICATION SHEET	DATE MAY 2009
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APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE CV-22 SOF MOD
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	Prior Years	FY 2008	FY 2008	FY 2008	FY 2009	FY 2010		
QUANTITY	12	5	5	10	6	5		
		Baseline	Overseas Contingency Operations/ Title IX	Total				
COST (In Millions \$)	552.650	197.559	160.160	357.719	162.490	114.553		

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, support equipment, and most training systems for USSOCOM, conduct Initial Operational Test and Evaluation, and provide training. USSOCOM funds the procurement of SOF peculiar systems, (e.g., terrain following radar, electronic and infrared warfare suite, etc.) and some training systems. 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 defensive/survivability systems, situational awareness sensors, terrain following/terrain avoidance radar, Satellite Communications, and the flight director. Program increased by FY 2007 and FY 2008 Supplemental Funds. The associated RDT&E funds are in Program Element 1160421BB.

FY 2010 PROGRAM JUSTIFICATION: Funds MFP-11 costs associated with the production of five CV-22 aircraft in FY 2010 as well as the

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE CV-22 SOF MOD	
<p>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 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 (see Exhibits P-3A and P-5 for details).</p>		

BUDGET ITEM JUSTIFICATION SHEET

DATE: MAY 2009

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>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>
1. CV-22 Aircraft Block 10		5.903	11.621	13.741					
2. CV-22 Aircraft Low Cost Modifications		0.412	0.418	0.488					
SUBTOTAL FOR MODS		6.315	12.039	14.229					

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 eight aircraft procured in FY 2002-2005 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 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 Years		FY07		FY08		FY09		FY10		FY11		FY12		FY13		FY14		FY15		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						4.9																	0	4.9
Installation Kits							5	10.8	3	9.5													8	20.3
Training Equipment						0.6		0.4		1.0													0	2.0
Support Equipment						0.2		0.2		1.4													0	1.8
Other Support						0.2		0.2		0.2													0	0.6
																							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	3	1.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	1.6
Total Proc	0	0.0	0	0.0	0	5.9	5	11.6	3	13.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8	31.2

Exhibit P-3a, Individual Modification (Continued)
 MODELS OF SYSTEMS AFFECTED: CV-22

MODIFICATION TITLE: CV-22 Block 10 Retrofit

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: Contractor Depot Level Installation

ADMINISTRATIVE LEADTIME: 3 months

PRODUCTION LEADTIME: initially 18 months

CONTRACT DATES: Prior Year: N/A Current Year: Jan 09 Budget Year 1: Dec 09 Budget Year 2: Dec 10
 DELIVERY DATES: Prior Year: N/A Current Year: Jul 10 Budget Year 1: Jul 11 Budget Year 2: Jul 12

(\$ in Millions)

	Prior Yrs		FY07		FY08		FY09		FY10		FY11		FY12		FY13		FY14		FY15		TC		TOTAL				
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$			
PYS																								0	0.0		
FY07																									0	0.0	
FY08																									0	0.0	
FY09									3	1.6															3	1.6	
FY10																									0	0.0	
FY11																									0	0.0	
FY12																									0	0.0	
FY13																									0	0.0	
FY14																											
FY15																											
To Complete																									0	0.0	
Total	0	0.0	0	0.0	0	0.0	0	0.0	3	1.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	1.6	

Installation Schedule

	PY's	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							
In									3																			
Out																												

	FY14				FY15				TC	Total	
	1	2	3	4	1	2	3	4			
In										3	
Out										0	

Exhibit P-10, Advance Procurement Requirements Analysis (Page 1 - Funding)										Date: MAY 2009			
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	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	To Complete	Total
End Item Qty			12	10	6	5							33
			(*2-AF RDT&E)										
Airframe	32	12	83.596	7.960	4.458	4.399							100.413
Total AP			83.596	7.960	4.458	4.399							100.413
<p>Description:</p> <p>FY 2010 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 materiel are necessary to support the joint V-22 multi-year procurement program from FY 2008 - 2012.</p> <p>Notes:</p> <p>1. Six CV-22 aircraft were added by FY 2007 and FY 2008 supplemental funding (one in FY 2007 and five in FY 2008). No advance procurement funds were added for these six aircraft so they were fully funded by the supplemental appropriations. Therefore, the advance procurement budget in FY 2006 and FY 2007 includes only the advance procurement requirement for the previously approved quantities of two aircraft in FY 2007 and five aircraft in FY 2008.</p>													

Exhibit P-10, Advance Procurement Requirements Analysis (Page 2 - Budget Justification)						Date: MAY 2009			
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 FY10	FY10 Contract Forecast Date	FY10 Total Cost Request	Quantity FY11	FY11 Contract Forecast Date	FY11 Total Cost Request
End Item									
Airframe	32	1		5	Nov-09	4.399			
Total AP						4.399			
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.									

BUDGET ITEM JUSTIFICATION SHEET	DATE APRIL 2009
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APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE MQ-1 UAV
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	Prior Years	FY 2008	FY 2009	FY 2010	FY 2010	FY 2010		
				Baseline	Overseas Contingency Operations	Total Request		
COST (In Millions \$)				10.930	1.450	12.380		

A new P-1 Line item was established beginning in FY 2010 for MQ-1 Unmanned Aerial Vehicle (UAV). Resources were moved from the Unmanned Vehicles P-1 Line item.

The MQ-1 UAV line item provides funding to acquire and support Special Operations Forces (SOF)-unique payloads/integration to the MQ-1 Unmanned Aircraft System (UAS). These payloads enable SOF to meet continually evolving mission requirements. As the supported combatant command, USSOCOM has been designated as the DoD lead for planning, synchronizing, and as directed, executing global operations against terrorist networks, USSOCOM requires the capability to find, fix, and finish time-sensitive high-value targets. These targets can often only be identified with patient collection of information and require rapid, decisive action during the short periods in which they present themselves. This line item addresses the primary areas of intelligence, surveillance, reconnaissance, and target acquisition. The associated RDT&E funds are in Program Element 0305219BB.

FY 2010 PROGRAM JUSTIFICATION: Procures SOF-unique payloads for the SOF-unique MQ-1 UAS.

FY 2010 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Procures SOF-unique SIGINT payloads and modifications to video hardware.

BUDGET ITEM JUSTIFICATION SHEET	DATE MAY 2009
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APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE MQ-9 UAV
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	Prior Years	FY 2008	FY 2009	FY 2010				
COST (In Millions \$)				12.671				

A new P-1 Line item was established beginning in FY 2010 for MQ-9 Unmanned Aerial Vehicles (UAV). Resources were moved from the Unmanned Vehicles P-1 Line item.

The MQ-9 UAV line item provides funding to acquire and support Special Operations Forces (SOF)-unique payloads/integration to the MQ-9 Unmanned Aircraft System (UAS). These payloads enable SOF to meet continually evolving mission requirements. As the supported combatant command, USSOCOM has been designated as the DoD lead for planning, synchronizing, and as directed, executing global operations against terrorist networks, USSOCOM requires the capability to find, fix, and finish time-sensitive high-value targets. These targets can often only be identified with patient collection of information and require rapid, decisive action during the short periods in which they present themselves. This line item addresses the primary areas of intelligence, surveillance, reconnaissance, and target acquisition. The associated RDT&E funds are in Program Element 1105219BB.

FY 2010 PROGRAM JUSTIFICATION: Procures SOF-unique payloads for the MQ-9 UAS.

BUDGET ITEM JUSTIFICATION SHEET					DATE MAY 2009			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2			P-1 ITEM NOMENCLATURE Small Tactical Unmanned Aerial System (STUASLO)					
	Prior Years	FY 2008	FY 2009	FY 2010	FY 2010	FY 2010		
QUANTITY				9		9		
				Baseline	Overseas Contingency Operations	Total Request		
COST (In Millions \$)				12.223	12.000	24.223		
<p><i>Beginning in FY 2010 resources for Special Applications for Contingencies Program have been moved into Small Tactical Unmanned Aerial System (STUASLO) line item.</i></p> <p>MISSION AND DESCRIPTION: The Small Tactical Unmanned Aerial System (STUASLO) line item procures various expendable Unmanned Aircraft Systems (UAS) and related sensor payloads for intelligence, surveillance, and reconnaissance, which allows for remotely controlled system emplacement and data exfiltration from denied areas. The associated RDT&E funds are in Program Element 1105234BB.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 9 Medium/Long Range/Air Launched unmanned aircraft, 32 related UAS turrets/payloads, and contingency items.</p> <p>FY 2010 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Procures unmanned aircraft payloads.</p>								

BUDGET ITEM JUSTIFICATION SHEET					DATE MAY 2009			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2			P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS					
	Prior Years	FY 2008	FY 2008	FY 2008	FY 2009	FY 2010	FY 2010	FY 2010
		Baseline	Overseas Contingency Operations	Total	Total	Baseline	Overseas Contingency Operations	Total Request
COST (In Millions \$)	1,698.381	117.226	11.000	128.226	50.179	59.950	19.500	79.450
<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 line item received FY 2007 and 2008 supplemental funds for the AAR-44 Infrared Warning Receiver and FY 2009 supplemental funds for the Gunship Multi-Spectral Sensor System deployment support package. The associated RDT&E funds are in Program Elements 1160403BB, 1160404BB, and 1160425BB.</p> <p>Modifications are as follows:</p> <ol style="list-style-type: none"> APQ-170 Service Life Extension Program (SLEP). Procures non-recurring engineering, kits and installation for the AN/APQ-170 Terrain Following/Terrain Avoidance Radar used on the MC-130H. Due to operational usage and diminishing manufacturing sources, key components of the APQ-170 can no longer be procured and/or sustained due to obsolescence. This modification was a new start approved by Congress in August 2008. <p>FY 2010 PROGRAM JUSTIFICATION: Procures ten production kits, required spares, retrofits, and integration of APQ-170 components redesigned due to obsolescence (see Exhibit P-3A for details).</p> <ol style="list-style-type: none"> C-130 Low Cost Modifications. Minor modifications to MC-130E/H/P/W, AC-130H/U and EC-130J SOF-unique equipment to improve 								

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS	
<p>reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission enhancements. Modifications planned, but not limited to, include: radar upgrades; avionics upgrades; AC-130H/U gun systems improvements; AC-130H/U engine IR tub upgrades; loadmaster restraint system; AAQ-24/ALE-47 flare dispensing integration; AC-130H/U 105mm close-out boot; aircraft wireless intercom system; display upgrades; ARC-231 communication system integration; lightweight paratroop door armor; AC-130H/U aft scanner station replacement; MC-130H ALR-69 safety wire clip installation; MC-130H electronic noise reduction; and similar system upgrades.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Continues minor upgrades/modifications to SOF C-130 equipment.</p> <p>3. 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 funding.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Continues the replacement of center wings on MC-130H Combat Talon II and AC-130U Gunship (see Exhibit P-3A for details).</p> <p>4. AC/MC-130 Aircrew Improved Situational Awareness System. Provides tactical interface unit, antenna, server, and multifunctional display, and installation of USAF-provided tactical receiver system, ruggedized on AC-130 and MC-130 aircraft.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures two kits and installations for MC-130W aircraft, as well as non-recurring engineering, production support, and initial spares.</p> <p>5. 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>		

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS	
<p>FY 2010 PROGRAM JUSTIFICATION: Procures the final two kits and contract installations.</p> <p>6. 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. Program was increased with FY 2009 Supplemental funds, which procured readiness spares package items.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Installs equipment procured in prior years and provides production support.</p> <p>7. AC-130U Gun Mod Program. USSOCOM terminated the 30MM Gun Program for the AC-130U aircraft in FY 2008. Funds in this line were used to equip and sustain the gun systems on the AC-130U Plus 4 aircraft.</p> <p>FY 2010 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Modifies four AC-130U Gunships required to fight the war; specifically, procures four 25mm Group B kits and enough spares to fill a 3-ship Readiness Spares Package. The baseline gun configuration of the AC-130U is one 25mm gun, one 40mm gun, and one 105mm gun. The configuration for the Plus 4 aircraft was intended to be two 30mm guns and one 105mm gun. The 30mm effort was cancelled, necessitating the installation of 25mm and 40mm guns on the Plus 4 aircraft. The majority of the AC-130U fleet will soon require center wing box replacement, a modification that can take up to six months to complete. During this modification time, the four AC-130U Gunships will be heavily relied upon to support OEF and will require a fully operational 25mm system. without the 25mm gun, the four AC-130U Gunships do not have their full combat capability. They are lacking the area suppression weapon, which has proven effective in combat in urban environments and terrain denial engagement.</p> <p>8. EC-130 Low Cost 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 item.</p> <p>9. APX-116 Beacons Modification. This modification installs the Low Probability of Intercept beacon on the MC-130P aircraft.</p>		

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS	
<p>10. AC-130H AVQ-19 Replacement System. This modification replaces the obsolete Laser Targeting/Designating Rangefinder. Program received FY 2007 Supplemental funding.</p> <p>11. 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.</p> <p>12. Avionics Modernization. This program replaces various SOF C-130 unique avionics systems across the SOF C-130 fleet. MFP-4 funds address service common avionics systems. Associated RDT&E funds provided in FY 2010.</p> <p>13. Mission Computers and Display Generator Units. This modification replaces mission computers and display generator units for the AC-130H fleet due to obsolescence.</p> <p>14. AAR-44 Infrared Warning Receiver. Provides improved circuit card assemblies that improve performance in detection range and reduce the false alarm rate, improving aircrew survivability by allowing timely application of appropriate countermeasures. This modification was funded entirely with FY 2008 Supplemental funds.</p> <p>15. Precision Strike Package MC-130 Multi-Mission Modification. This modification fulfills an urgent combat requirement to rapidly arm and field multi-mission precision strike platforms. Provides an armed over-watch capability including sensors, communication systems, precision guided munitions, and a single medium-caliber gun. An interim kit is being fielded and funded under a Combat Mission Needs Statement in FY 2009.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Installs six kits procured in FY 2009 and procures initial spares (see Exhibit P-3A for details).</p>		

BUDGET ITEM JUSTIFICATION SHEET

DATE: MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE-WIDE / 2

P-1 ITEM NOMENCLATURE
C-130 MODIFICATIONS

MODIFICATION SUMMARY

DESCRIPTION	Prior Years	FY 2008 Overseas			FY 2009 Overseas			FY 2010 Overseas		
		FY 2008 Baseline	Contingency Operations	FY 2008 Total	FY 2009 Baseline	Contingency Operations	FY 2009 Total	FY 2010 Baseline	Contingency Operations	FY 2010 Total
1. APQ 170 Service Life Extension Program	18.311							11.023		11.023
2. C-130 Low Cost Modifications		7.212		7.212	6.288		6.288	7.382		7.382
3. AC-130U & MC-130H Center Wing Replacement	13.645	7.881		7.881	6.318		6.318	5.134		5.134
4. AC/MC-130 Aircrew Improved Situational Awareness System (MAGIC) SLI								3.128		3.128
5. MC-130P Dual Rails	7.280	0.167		0.167	7.201		7.201	0.975		0.975
6. AC-130U Gunship Multispectral System -2	64.267	66.496		66.496	11.895	17.000	28.895	0.683		0.683
7. AC-130 Gun Modifications	0.740	18.054		18.054					19.500	19.500
8. EC-130 Low Cost Modifications	58.036				0.988		0.988			
9. APX-116 Beacons	10.042	0.728		0.728	0.217		0.217			
10. AC130H AVQ-19 Replacement System	37.593	4.636		4.636						
11. Fixed Wing Sensor	16.913	12.052		12.052	0.272		0.272			
12. Avionics Modernization										
13. Mission Computers and Display Generator Units										
14. AAR-44 Infrared Warning Receiver	12.372		11.000	11.000						
15. Precision Strike Package MC-130 Multi-Mission Modification								31.625		31.625
SUBTOTAL FOR MODS	239.199	117.226	11.000	128.226	33.179	17.000	50.179	59.950	19.500	79.450

Exhibit P-3a, Individual Modification (Continued)

MODELS OF SYSTEMS AFFECTED: AC130U and MC130H

MODIFICATION TITLE: AC130U and MC130H 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 07 Current Year: Dec 08 Budget Year 1: Dec 09 Budget Year 2: Dec 10

DELIVERY DATES: Prior Year: Oct 10 Current Year: Oct 11 Budget Year 1: Oct 12 Budget Year 2: Oct 13

(\$ in Millions)

	Prior Yrs		FY07		FY08		FY09		FY10		FY11		FY12		FY13		FY14		FY15		TC		TOTAL			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
PriorYrs	1	0.2			4	0.8			2	0.4														7	1.4	
FY07							2	0.4	7	1.4														9	1.8	
FY08									2	0.4														2	0.4	
FY09																								0	0.0	
FY10																								0	0.0	
FY11																								0	0.0	
FY12																								0	0.0	
FY13																								0	0.0	
FY14																								0	0.0	
FY15																								0	0.0	
Total	1	0.2	0	0.0	4	0.8	4	0.8	9	1.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	18	3.6

Installation Schedule

	Prior Yrs		FY09				FY10				FY11				FY12				FY13				
	1	2	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
In	5		1	1	1	1	2	2	2	3													
Out	4		1	1	1	1	1	2	2	2													

	FY14				FY15				TC	Total
	1	2	3	4	1	2	3	4		
In									18	
Out									15	

MODELS OF SYSTEMS AFFECTED: MC130W

TYPE MODIFICATION: Sustainment

MODIFICATION TITLE: Precision Strike Package MC-130 Multi-Mission Mod

DESCRIPTION/JUSTIFICATION: Fulfills an urgent combat requirement to rapidly arm and field multi-mission precision strike platforms. Provides an armed over-watch capability including sensors, communication systems, precision guided munitions, and a single medium-caliber gun. An interim kit is being fielded and funded under a Combat Mission Needs Statement in FY 2009.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Initial Contract Award: Jul 09

Trial Install: Sep 09

KP: Oct 09

Production Installs: FY09-10

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Yrs		FY07		FY08		FY09		FY10		FY11		FY12		FY13		FY14		FY15		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E *										27.3														27.3
																							0	0.0
																							0	0.0
Initial Spares										5.7													0	5.7
																							0	0.0
																							0	0.0
																							0	0.0
Non-add																							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										6	25.9												6	25.9
Total Proc	0	0.0	0	0.0	0	0.0	0	0.0	6	31.6												6	31.6	

Exhibit P-3a, Individual Modification (Continued)
 MODELS OF SYSTEMS AFFECTED: MC130W

MODIFICATION TITLE: Precision Strike Package MC-130 Multi-Mission Mod

INSTALLATION INFORMATION: Contractor Field Team

METHOD OF IMPLEMENTATION: Contractor

ADMINISTRATIVE LEAD-TIME: Various

PRODUCTION LEAD-TIME: various, longest lead time 10 months

CONTRACT DATES: Prior Year: N/A

Current Year: Jul 09

Budget Year 1: N/A

Budget Year 2: N/A

DELIVERY DATES: Prior Year: N/A

Current Year: May 10

Budget Year 1: N/A

Budget Year 2: N/A

(\$ in Millions)

Proc FY / Install FY	Prior Yrs		FY07		FY08		FY09		FY10		FY11		FY12		FY13		FY14		FY15		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
Pys																									
FY07																									
FY08																									
FY09 (Non-add)																								0	0.0
FY09																								0	0.0
FY10									6	25.9														6	25.9
FY11																									
FY12																									
FY13																									
FY14																								0	0.0
FY15																									
Total	0	0.0	0	0.0	0	0.0	0	0.0	6	25.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6	25.9	

Installation Schedule

PYs	FY09				FY10				FY11				FY12				FY13				FY14			
	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																
Out								3	3															

	FY15				TC	Total
	1	2	3	4		
In						6
Out						6

BUDGET ITEM JUSTIFICATION SHEET	DATE MAY 2009
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APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT
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	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)	243.620	.336	1.343	.973					

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:

1st Special Operations Wing (SOW) Support Equipment. Procures SOF-peculiar support equipment to support SOF warfighting requirements identified by unit type code packages for all Air Force Special Operations Command squadrons.

FY 2010 PROGRAM JUSTIFICATION: Continues the funding of SOF-peculiar support equipment for the 1st SOW.

BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
ADVANCED SEAL DELIVERY SYSTEM (ASDS)

	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)	139.932	10.549	5.743	5.236					

MISSION AND DESCRIPTION: The Advanced Sea, Air, Land (SEAL) Delivery System (ASDS) is a dry combat submersible that provides users with a clandestine long range insertion capability required to conduct 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 to concentrate on reliability and technology improvements to ASDS System #1 (ASDS-1). 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 Department of Defense is currently looking at the affordability of repairs required due to fire damage. At this time estimates are still being finalized. The associated RDT&E funds are in Program Element 1160426BB.

FY 2010 PROGRAM JUSTIFICATION: Continues procurement of ASDS-1 Improvement Program change kits, alterations and initial spares.

Exhibit P-5 Cost Analysis SHIPBUILDING		Weapon System				Date: MAY 2009					
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 2008		FY 2009		FY 2010		FY 2011	
		Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. ASDS Spares			24,196		8,268		1,484		1,338		
2. ASDS Engineering Change Proposals			65,835		2,281		4,259		3,898		
Prior Year Funding			49,901								
LINE ITEM TOTAL			139,932		10,549		5,743		5,236		

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BUDGET ITEM JUSTIFICATION SHEET						DATE MAY 2009			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2				P-1 ITEM NOMENCLATURE MK8 MOD1 SEAL DELIVERY VEHICLE					
	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)	68.183	8.692	7.040	1.463					
<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) 1160483BB.</p> <p>FY 2010 PROGRAM JUSTIFICATION: 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.</p>									

BUDGET ITEM JUSTIFICATION SHEET							DATE MAY 2009			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2				P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT						
Prior Years	FY 2008	FY 2008	FY 2008	FY 2009	FY 2009	FY 2009	FY 2009	FY 2010	FY 2010	FY 2010
	Baseline	Overseas Contingency Operations/Title IX	Total Request	Baseline	Bridge	Overseas Contingency Operations	Total Request	Baseline	Overseas Contingency Operations	Total Request
594.401	56.585	32.759	89.344	66.885	43.640	1.000	111.525	61.360	51.156	112.516
COST (In Millions \$)										
<p>MISSION AND DESCRIPTION: The Ordnance Replenishment line item provides munitions 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.</p> <p>1. Naval Special Warfare Command Munitions. Provides replenishment munitions for SOF resupply of peacetime and combat mission expenditures, specified war reserve requirements, and production support. Program increased by FY 2008 and FY 2009 Supplemental funds.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Funding procures the following munitions: 40mm Cartridges (all types); Handgun Cartridges (all types of 9mm); Rifle/Machine Gun Cartridges (all types of 5.56mm, .300 Win Mag, 7.62mm, and .50 Caliber); Grenades (offensive and smoke); 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; production engineering; and 84mm Multi-Purpose Anti-Armor/Anti-Personnel Weapon System (MAAWS). Actual quantities vary depending on training requirements.</p> <p>FY 2010 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Replenishes ammunition expended in OIF and OEF as a result of the Riverine Task Unit being deployed in theater. An increased emphasis on Close Quarter Combat training has also impacted inventory levels for several items. Requirements include 7.62mm Blank, 5.56mm Ball, 7.62mm linked Ball and Dim Tracer, and 9mm Ball ammunition. Inventory will not support current combat and training expenditures and rates, and requires replenishment to meet war requirements.</p>										

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT	
<p>2. Air Force Special Operations Command Training Munitions. Provides replenishment munitions required to maintain AC-130H/U Gunship crew mission related readiness skills and provides combat mission support. Program increased by FY 2008 and FY 2009 Supplemental funds.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 105mm High Explosive Incendiary (HEI), 105mm Target Practice (TP), and 25mm TP ammunition.</p> <p>FY 2010 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Replenishes ammunition and missiles expended in OIF and OEF to required levels. Includes Stock Manufacturing and delivery of 105mm HE/W FMU-153B, 25mm HEI, 105mm HF/W FMU-160B and Special Operations Precision Guided Munitions/missiles, as well as required packaging expended/consumed supporting war requirements. The current stockpile of ammunition will not support joint mission analysis wartime reserve mode training and war requirements.</p> <p>3. United States Army Special Operations Command Munitions. Procures SOF-peculiar munitions for required training, combat missions, war reserve, and associated munitions production engineering support. Program increased by FY 2008 and FY 2009 Supplemental funds.</p> <p>FY 2009 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Procures .300 Win Mag, .45 Cal Ball, FX Mkgs, 5.56mm 77-Grain Long Range, 12-Gauge 1- Ounce Slugs, Flash Bang Grenades, and MAAWS munitions. Ammunition expended during combat operations has exceeded the forecasted expenditure rates. The required funding will allow SOF Components to support required combat missions and replenish the required war reserve quantities.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procure 77-Grain 5.56mm, Flash-Bang Grenades, 84mm MAAWS, explosives, and associated munitions production engineering support.</p> <p>FY 2010 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Replenishes 5.56mm, 7.62, and .300 Win Mag rifle, .45cal handgun, and various types of .84mm MAAWS ammunitions; flash bang grenades; various explosive devices; and war reserve</p>		

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT	
<p>materials for various MAAWS ammunitions. Funding will allow for war expenditure requirements and lead times required to contract for ammunition. If this funding is not provided, ammunition available for combat operations may be exhausted as early as FY 2010. The funding will allow SOF Components to support required combat missions and replenish the required war reserve quantities.</p>		

Exhibit P-40A, Budget Item Justification for Aggregated Items SOF ORDNANCE REPLENISHMENT	Date: MAY 2009
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Appropriation/Budget Activity -												
Procurement Items	Contractor and Location	ID Code	PYS		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cos	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. NSW Munitions												
A. 40MM Cartridges (All types)			708,782		40,000	1,309	196,020	5,957	40,000	1,335		
B. LAW Rocket (Tact/Sub-Cal Trainer/Cart)			22,365				4,483	8,406				
C. Shotgun Cartridges (All types)			2,749,685				500,000	143				
D. Handgun Cartridges (All types)			45,801,049		10,298,000	1,601	9,778,800	2,115	4,875,000	1,011		
E. Rifle/Machine Gun Cartridges (All types)			126,674,242		28,671,160	22,191	16,101,840	21,147	14,397,420	13,175		
F. Grenades Offensive/Smoke (All types)			168,870		82,466	3,581	2,500	400	44,000	1,643		
G. Signals			77,000		4,392	210	3,600	1,604	10,098	590		
H. Training Devices			289,212		5,000	820	70,050	721	55,000	1,883		
I. Explosives, Firing Devices, and Accessories			133,629		81,947	5,608	66,410	5,372	1,621,440	12,637		
J. Underwater Mines and Components			4,361		1,000	2,331	1,000	834	2,000	2,426		
K. Production Engineering						2,800		2,440		2,475		
L. MAAWS			1,638						1,002	2,239		
M. Supplemental/Overseas Contingency Operations(OCO)												
(1) Handgun Cartridges (All types)									1,000,000	154		
(2) Rifle/Machinun Cartridges (All types)					825,600	639			3,165,591	3,388		
(3) Explosives, Firing Devices, and Accessories					101,891	6,973						
(4) Grenades Offensive Smoke (All types)					69,202	3,005						
(5) LAW Rocket					1,092	2,528						
(6) MAAWS					1,506	3,735						
Subtotal				248,036		57,331		49,139		42,956		
2. AFSOC Training Munitions												
A. 105MM Refurbishment			115,338		12,051	6,297	26,618	6,873	24,796	9,420		
B. 25MM			135,722		252,365	3,930	72,141	4,468	243,265	3,937		
C. Supplemental OCO												
(1) 105MM					6,124	3,200	13,164	3,400	16,480	8,640		
(2) 25MM							32,550	2,016	637,500	10,200		
(3) SOPGM							155	23,294	22	3,300		
(4) 40MM					146,688	4,800						
(5) Various Aviation Ammunition								7,051				
Subtotal				27,331		18,227		47,102		35,497		
3. USASOC												
A. Rifle/Machine Gun Cartridges (All types)			6,397,202		3,806,840	2,435	290,688	340	275,000	170		
B. Grenades Offensive/Smoke (All types)			238,180				2,089	140	9,300	657		
C. MAAWS			18,273		1,803	3,223	1,781	3,357	750	1,626		
D. Aviation							398,838	335				
E. Production Engineering						249		17		17		
F. Explosives							600	2,216	1,600	6,119		
G. Supplemental OCO												
(1) Handgun									136,000	26		
(2) Rifle/Machinun Cartridges (All types)							600,912	702	6,315,760	1,566		
(3) Grenades Offensive/Smoke (All types)									5,978	209		
(4) MAAWS					4,404	7,879	5,516	6,130	41,160	23,667		
(5) Explosives									180	6		

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BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSEWIDE/2

P-1 ITEM NOMENCLATURE
SOF ORDNANCE ACQUISITION

	Prior Years	FY 2008	FY 2008	FY 2008	FY 2009	FY 2010	FY 2010	FY 2010
		Baseline	Overseas Contingency Operations	Total Request		Baseline	Overseas Contingency Operations	Total Request
COST (In Millions \$)	500.953	21.231	39.600	60.831	12.503	26.791	17.560	44.351

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 ammunition; aviation ammunition; SOF demolitions, breaching, and pyrotechnics program; nonstandard materiel; multi-purpose anti-armor/anti-personnel weapons system; remote activation munition system; combat assault rifle ammunition; stand-off precision guided munition; and time delay firing device/sympathetic detonator. The associated RDT&E funds are in Program Elements 1160404BB and 1160481BB.

1. The aviation ammunition and materiel program provides AC-130 gunship ammunition including the associated safety certification, insensitive munition qualification and transportation. Funding includes several tactical and training configurations of the 105mm, 40mm and 25mm. Program was increased by FY 2007 and FY 2009 Supplemental funds and an FY 2009 Congressional add.

FY 2010 PROGRAM JUSTIFICATION: Qualify and procure 100,000 rounds aviation ammunition to meet mission requirements.

FY 2010 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Replenishes aviation ammunition (40mm HE) expended in both OIF and OEF.

2. The demolition, breaching and pyrotechnics program consists of over 30 hardware sets of explosively formed penetrators, conical shaped charges, and linear shaped charges, along with tools, equipment, and attaching devices for constructing and emplacing a variety of demolition

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION	
<p>charges, diversionary devices, demolition hand grenades, and breaching devices. 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.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Qualify and procure 19,493 additional breaching, demolition, attachment items, and replenishment items. Provide production support.</p> <p>3. The multi-purpose anti-armor anti-personnel weapon system 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. This system gives SOF extended range fires to operate where no artillery or armor support is available. Two new munitions were added beginning in FY 2007: multi-target warhead and anti-structure munition. Program increased by FY 2004, FY 2005, FY 2006, FY 2007, and FY 2008 Supplemental funds.</p> <p>4. Non standard materiel. SOF units are required to be proficient in the use of foreign weapons to train foreign forces. This program provides foreign training ammunition, weapons, safety certification procedures and related equipment to meet this training requirement. Program was increased by FY 2007 Supplemental funds.</p> <p>FY 2010 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Replenishes foreign and non-standard weapons and ammunition required to conduct Foreign Internal Defense (FID) training. In order to safely conduct FID training, SOF operators need to be familiar with and trained on the various types of weapons they will encounter in theater. It is also essential to be familiar with the weapons and capabilities of our opponents. Tactics are driven by capabilities of weapons being employed.</p> <p>5. The remote activation munition system provides SOF the capability to remotely detonate demolitions 20 Km from the target and the capability of transmitting through earth, water and into caves. Program increased by FY 2005, FY 2006, and FY 2007 Supplemental funds.</p>		

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION	
<p>6. Combat assault rifle ammunition provides ammunition for the initial fielding of all combat assault rifle variants. Program was increased by FY 2008 Supplemental funds.</p> <p>FY 2010 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Resets 64,140 rounds of the enhanced 5.56mm and 7.62mm ammunition for the SOF-peculiar combat assault rifles to include enhanced terminal ballistics cartridges. These cartridges provide consistent and reliable neutralization of enemy combatants, and are designed to penetrate intermediate barriers and retain terminal performance.</p> <p>7. Stand-Off precision guided munitions are a semi-active laser-guided weapon, with little or no signature at launch, and complements the current armament 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. This munition 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. Resources for this program have transferred to the SOF Ordnance Replenishment line item beginning in FY 2009.</p> <p>8. Time delay firing device 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 funds.</p>		

Exhibit P-40A, Budget Item Justification for Aggregated Items SOF ORDNANCE ACQUISITION						Date: MAY 2009						
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	CONTRACTOR AND LOCATION	ID Code	PYs		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Aviation Ammunition and Materials												
A. Ammunition/Weapons/Equipment	Various						29,850	6,979	100,000	22,882		
Supplemental/ Overseas Contingency Operations (OCO)												
A. Ammunition/Weapons/Equipment	Various						30,150		62,608	14,400		
Subtotal								6,979		37,282		
2. Demolition, Breaching and Pyrotechnics												
A. Demolition Breaching Munitions/Equipment	Various		240,220	48,044	19,685	3,937	2,350	470	19,493	3,891		
B. Production Support	US Army ARDEC, Picatinny, NJ			864		381		25		18		
Subtotal				48,908		4,318		495		3,909		
3. Multi-purpose Anti-armor Anti-personnel Weapon System												
A. Ammunition/Weapons/Equipment	Bofors, Sweden		32,059	128,235	320	1,281	37	1,484				
B. Lightweight anti-armor weapon weapons/equipment	NAMMO Talley, Norway					783	4,700					
C. Lightweight anti-armor weapon Production Support	US Navy Crane, Indiana						300					
Supplemental/OCO												
A. Ammunition/Weapons/Equipment	NAMMO Talley, Norway					950	5,700					
Subtotal				128,235		11,981		1,484				
4. Non-Standard Material (NSM)												
A. Ammunition/Weapons/Equipment	24 vendors		2,476,000	2,476	2,185,000	2,185	3,348,000	3,348				
B. Test/Transport	US Army ARDEC, Picatinny, NJ			170		200		197				
Supplemental/OCO												
A. Ammunition/Weapons/Equipment	24 vendors								1,500,000	1,500		
Subtotal				2,646		2,385		3,545		1,500		
5. Remote Activation Munitions System												
A. Prime Mission Product	US Army PM-CCS, Picatinny, NJ			70,402								
B. Production Support				50		216						
Subtotal				70,452		216						
Supplemental/OCO												
6. Combat Assault Rifle Ammunition												
A. Ammunition/Equipment 5.56mm	Various								6,819	450		
B. Ammunition/Equipment-7.62mm									7,321	410		
C. Ammunition/Equipment-40 mm					55,000	900			50,000	800		
Subtotal						900				1,660		
Supplemental/OCO												
7. Stand Off Precision Guided Munitions												
A. Munitions/Equipment	Northrup, Huntsville, AL and		178	20,500	250	33,000						

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BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSEWIDE/2

P-1 ITEM NOMENCLATURE
COMMUNICATIONS EQUIPMENT AND ELECTRONICS

Prior Years	FY 2008	FY 2008	FY 2008	FY 2009	FY 2009	FY 2009	FY 2009	FY 2010	FY 2010	FY 2010
	Baseline	Overseas Contingency Operations/Title IX	Total	Baseline	Bridge	Overseas Contingency Operations	Total Request	Baseline	Overseas Contingency Operations	Total Request
1,257.161	169.637	3.900	173.537	73.004		3.100	76.104	55.080	2.000	57.080

COST (In Millions \$)

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 supporting 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).

BUDGET ITEM JUSTIFICATION SHEET

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APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSEWIDE/2

P-1 ITEM NOMENCLATURE
COMMUNICATIONS EQUIPMENT AND ELECTRONICS

OPERATIONAL ELEMENT (TEAM)

1. Multi-Band/Multi-Mission Radio. This radio 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) Satellites Communications and Maritime modes. The radio 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.

ABOVE OPERATIONAL ELEMENT (DEPLOYED)

2. SOF Deployable Node is a family of satellite communications assemblages that includes the following subprograms: heavy, medium, light and Evolutionary Technology Insertions (ETI), as well as a capital equipment replacement program. The heavy system consists of the Deployable Multi-Channel SATCOM (DMCS) terminal and the switching system capable of providing all SOF missions wide-area connectivity through SOF strategic entry points and commercial teleports. The medium is a deployable, lightweight, multi-channel SATCOM assemblage that provides classified and unclassified voice, data, Video Teleconference (VTC) and video services to an early entry team of 5-15 SOF personnel. The medium system fills the gap between light and the heavy. The light system is a ruggedized, portable communications package that provides access to the SOF Information Enterprise and the GIG but on a smaller scale than the heavy or medium. It supports liaison elements and operational teams of 1-4 SOF personnel. This family of systems was formally called SOF Tactical Assured Connectivity Systems (SOFTACS). Program increased by FY 2008 Supplemental funds.

FY 2010 PROGRAM JUSTIFICATION: Procures 158 light systems, 20 medium systems, and 6 heavy systems as well as supporting the capital equipment replacement program and ETIs.

BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSEWIDE/2

P-1 ITEM NOMENCLATURE
COMMUNICATIONS EQUIPMENT AND ELECTRONICS

3. Joint Base Station is an evolutionary acquisition program to procure the most current technological, tactical, Command and Control (C2) communications system to provide the radio communications capability for deployed and forward-based SOF and Theater Special Operations Commanders supporting overseas contingency operations and other SOF activities. The projected solutions will consist of a full scale deployable and scaleable transit case variant, a deployable downsized transit case variant, and a fixed base station variant. All variants will be capable of integrating existing and future USSOCOM approved radios and be compliant with the future Joint Tactical Radio System. This system interfaces, enhances, and combines multiple, single-channel radios into one integrated C2 suite. The 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 system provides the SOF Commander and staff with the capability to send and receive voice, data, and messages among the inserted SOF warfighter and higher headquarters, liaison officers, other government agencies, and coalition partners. Program increased by FY 2004, FY 2005, FY 2006, and FY 2007 Supplemental funds.
4. The Tactical Radio System is a maritime tactical communications system that 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. The program provides the critical communications interface between SOF radios and combatant craft platforms.
5. The Tactical Local Area Network 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 program consists of suites, mission planning kits and field computing devices. Each suite consists of 3 easily transportable, multiple integrated networks, 60 general use laptops and 10 intelligence laptops. A network contains commercial servers, routers, and hubs that can operate at user selectable classification levels [e.g., unclassified, collateral, coalition or Sensitive Compartmented Information (SCI) networks]. A kit consists of laptop computers and ancillary equipment used by SOF teams for detailed mission planning. Field devices are small hand-held computing devices used by the most forward deployed SOF to automatically interface with the suite via tactical communications. Program increased by FY 2006 Title IX funds and FY 2008 Congressional add.

BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSEWIDE/2

P-1 ITEM NOMENCLATURE
COMMUNICATIONS EQUIPMENT AND ELECTRONICS

ABOVE OPERATIONAL ELEMENT (GARRISON)

6. The Command, Control, Communications, Computers, and Intelligence (C4I) Automation System 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. This system 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.

7. SCAMPI is the telecommunications system that disseminates 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 medium to SOF units for SOF garrison and all SOF tactical systems. SCAMPI provides secure voice, data, and VTC on various classification levels to world-wide deployed and strategic SOF locations. Operational SCAMPI equipment provides connectivity to global C, KU and X-Band satellight services to deployed SOF units; rapid secure communications to SOF Special Mission Units; and access to other government agencies 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 FY 2007 Supplemental Funds.

FY 2010 PROGRAM JUSTIFICATION: Procures eight critical node replacements/retrofits for garrison sites, tactical gateways, one SOCOM Strategic Entry Point, and 1 full motion video ETI.

BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSEWIDE/2

P-1 ITEM NOMENCLATURE
COMMUNICATIONS EQUIPMENT AND ELECTRONICS

FY 2010 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Procures two iDirect modems and installation. As satellite systems are fielded, greater capacity is required at garrison locations to accommodate the system operation. These two modems, installed at Media Ports currently being leased by USSOCOM for termination of tactical Satellite systems in use by deployed SOF operators, will add required capacity for tactical satellite service.

8. The Video Teleconferencing program provides new communications media for Command and Control (C2) that allows military commanders, distant subordinate commands, and tactical forces to come together electronically, face-to-face, in a fully interactive two-way audio/video environment. The systems utilize bandwidth-on-demand as required for both point-to-point and multipoint conferencing. USSOCOM systems provide real-time positive C2 for planning and execution of the command's global missions, contingencies, and exercises; distance learning; administrative coordination and collaboration; and telemedicine. The garrison/deployable 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 capabilities can be extended by interfacing via video gateways to the JWICS and the DISN Video Services System.

FY 2010 PROGRAM JUSTIFICATION: Procures 2 critical multipoint conferencing unit replacements.

9. The Multi-band Inter/Intra Team Radio 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 current radio, these missions required SOF teams to carry multiple handheld and manpack radios operating in various frequency bands to ensure positive communications capability. This radio 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 radio standards. Program increased by FY 2005 and FY 2007 Supplemental funds.

BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSEWIDE/2P-1 ITEM NOMENCLATURE
COMMUNICATIONS EQUIPMENT AND ELECTRONICS

10. The Special Mission Radio System provides voice and data communication in either a manpack or base station configuration. 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 radio. This radio supports general purpose and special reconnaissance missions with embedded COMSEC capability, conventional military standard automated link establishment, and low probability of intercept/detection waveforms. Program increased by FY 2006 Supplemental funds.

11. Unmanned Aerial Vehicle Payload. The Joint Tactical C4I Information Transceiver System Increment II will be a next-generation replacement for the Increment I (ROVER III/IV) systems that were fielded in FY 2006-2009. These Increment II systems will consist of a fixed-mount form factor designed for integration into ground/airborne/seaborne platforms, and a dismount form factor designed for handheld use.

FY 2010 PROGRAM JUSTIFICATION: Funds 83 systems.

Exhibit P-40A, Budget Item Justification for Aggregated Items
 COMMUNICATIONS EQUIPMENT & ELECTRONICS

Date: MAY 2009

Appropriation/Budget Activity - 0300/BA2

Procurement Items	Contractor and Location	ID Code	PY'S		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. MULTI-BAND/MULTI MISSION RADIO												
A. Fixed Mount Hardware (various configurations)	Raytheon; Ft. Wayne, IN		347	16,615	71	3,975						
B. Initial Spares/Repair Parts	TBD					38						
Subtotal				16,615		4,013						
2. SOF DEPLOYABLE NODE												
	Space and Naval Warfare Systems Center, Charleston, SC											
A. Heavy Hardware	Space and Naval Warfare Systems Center, Charleston, SC		42	82,381	1	1,557	1	1,794	6	14,651		
(1) Capital Equipment Replacement Program (CERP)					4	6,230	6	12,553				
(2) Evolutionary Technology Insertion (ETI)				15,936		8,779		5,848				
(3) Initial Spares/Repair Parts						752		1,773				
(4) Initial Training						350		757				
B. Medium Hardware	Space and Naval Warfare Systems Center, Charleston, SC		72	27,937	53	20,393	37	15,548	20	8,894		
(1) CERP										46		
(2) Initial Spares/Repair Parts						3,493		1,681				
(3) Initial Training						2,190		1,093				
(4) Supplemental/Overseas Contingency Operations (OCO)					10	3,900						
C. Light hardware	Space and Naval Warfare Systems Center, Charleston, SC						202	11,759	158	9,537		
(1) CERP								172				
Subtotal												
D. Comms On-the-move ETI	Space and Naval Warfare Systems Center,									2,056		
E. Full Motion Video ETI	Space and Naval Warfare Systems Center,									2,096		
Subtotal				126,254		47,644		52,978		37,280		
3. JOINT BASE STATION												
A. Transit Case Variant Hardware	NAWCAD, Patuxent River, MD		52	109,254	2	3,103						
(1) Initial Spares/Repair Parts						50						
(2) Initial Training						15						
B. Lightweight Transit Case Hardware	NAWCAD, Patuxent River, MD				25	9,988						
Subtotal				109,254		13,156						
4. TACTICAL RADIO SYSTEMS												
	NAWCAD, Patuxent River, MD				8	715						
5. TACTICAL LOCAL AREA NETWORK												
A. Field Computing Devices	iGov Technologies, Tampa, FL		2,261	10,390	677	4,229						
B. Suites	iGov Technologies, Tampa, FL		84	24,882	10	6,884						
(1) Block II CERP	iGov Technologies, Tampa, FL		39	11,048	9	1,912						
C. Laptops	iGov Technologies, Tampa, FL		3,043	7,184	544	1,324						
D. Miscellaneous Tactical ADP	iGov Technologies, Tampa, FL			7,764		1,493						
Subtotal				61,268		15,842						

Exhibit P-40A, Budget Item Justification for Aggregated Items COMMUNICATIONS EQUIPMENT & ELECTRONICS						Date: MAY 2009						
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
6. COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS AND INTELLIGENCE AUTOMATION SYSTEM												
A. Evolutionary Technology Insertions (ETI)												
(1) Network Re-Engineering - SIPR	Multiple			22,304		10,881						
(2) Network Re-Engineering - NIPR	Multiple			24,413		625						
(3) Network Expansion				39,765		9,320						
SIPR Classified Integration						13,946						
Subtotal				86,482		34,772						
7. SCAMPI												
A. Node Optimization/Retrofits/CERP	Space and Naval Warfare Systems Center, Charleston, SC		58	20,734	10	6,372	12	7,845	8	5,874		
B. Deployable Node Lite	Space and Naval Warfare Systems Center, Charleston, SC		141	9,696	76	4,205						
C. Red Switch Upgrade	Space and Naval Warfare Systems Center, Charleston, SC		9	4,152		6,455						
D. 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 CERP	Space and Naval Warfare Systems Center, Charleston, SC and Naval Air Systems Command St Inigoes, MD		6	16,200	4	11,101	3	3,904	1	2,992		
E. Node - New Site	Space and Naval Warfare Systems Center, Charleston, SC		6	10,595			1	1,302				
F. Full Motion Video ETI	TBD								1	2,010		
G. Supplemental/Overseas Contingency Operations (OCO)												
(1.) Tactical Satellite iModem	iDirect Technologies, Herndon, VA								2	2,000		
Subtotal				66,455		28,133		13,051		12,876		
8. VIDEO TELECONFERENCING												
A. Multipoint Conferencing Unit Garrison	Polycom, Andover, MA		1	888	3	1,702	3	1,448	2	982		
B. Deployable	Tandberg, Mclean, VA		13	550	2	90						
Subtotal				1,438		1,792		1,448		982		
9. MULTI-BAND INTER/INTRA TEAM RADIO												
A. Urban Radio Hardware	Thales Comm Inc., Clarksburg, MD		6,820	32,756	1,913	12,779						
B. Maritime Radio Hardware	Thales Comm Inc., Clarksburg, MD		2,507	12,530	430	2,873						
C. Ancillary Equipment	Thales Comm Inc., Clarksburg, MD			27,212		597						
Subtotal				72,498		16,249						
10. SPECIAL MISSION RADIO SYSTEM												
A. Manpack Radio	Harris, Rochester, NY		1,142	3,162	52	1,105						
B. HF Radios-Vehicle Mounts	Harris, Rochester, NY		103	1,550	90	4,859						
C. Ancillary Equipment	Harris, Rochester, NY			731								
Subtotal				5,443		5,964						

BUDGET ITEM JUSTIFICATION SHEET							DATE: MAY 2009			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS						
Prior Years	FY 2008	FY 2008	FY 2008	FY 2009	FY 2009	FY 2009	FY 2009	FY 2010	FY 2010	FY 2010
	Baseline	Overseas Contingency Operations/Title IX	Total	Baseline	Bridge	Overseas Contingency Operations	Total Request	Baseline	Overseas Contingency Operations	Total Request
507.535	72.450	44.946	117.396	55.957		8.100	64.057	72.811	23.260	96.071
COST (In Millions \$)										
<p>MISSION AND DESCRIPTION: The Special Operations Forces (SOF) Intelligence Systems line item 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; a Special Operations Tactical Video System; Joint Threat Warning System; Tactical Local Area Network; Joint Interagency Collaboration Center; Hostile Forces Tagging, Tracking, and Locating; Distributed Common Ground/Surface Systems; and Sensitive Site Exploitation. The associated RDT&E funds are in Program Elements 1160405BB and 0305208BB.</p> <p>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).</p>										

BUDGET ITEM JUSTIFICATION SHEET		DATE: MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	
<p>OPERATIONAL ELEMENT (TEAM)</p> <p>1. The Joint Threat Warning System 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). This system will employ continuing technology updates to address the changing threat environment. SOF SIGINT operators are globally deployed and fully embedded within Special Operations teams and aircrews in every operational environment. The Joint Threat Warning System state-of-the-art technology enables SOF operators to provide critical time sensitive targeting and actionable intelligence to the operational commander during mission execution. Intelligence derived from operations supports campaign objectives and the National Military Strategy. The system provides different variants utilizing common core software that allows operators to task, organize, and scale equipment based on anticipated signal environments and areas of operation. Variants 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 variant except Team Transportable will be capable of operation by a single trained operator. The five variants are ground SIGINT kit, team transportable, air, maritime, and precision geo-location. Program increased by FY 2006 Title IX and Congressional add; FY 2004, FY 2006, FY 2007, and FY 2008 Supplemental funds; and an FY 2009 Congressional add.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 13 ground SIGINT kits (increment two) and 42 replacement systems; 1 air replacement system; 1 team transportable system; and 4 precision geo-location systems; and initial spares/repair parts.</p> <p>2. The Special Operations Tactical Video System employs an evolutionary acquisition strategy to meet SOF reconnaissance and surveillance mission requirements. The program consists of a family of interoperable digital commercial-off-the-shelf 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, Very High Frequency, 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>		

BUDGET ITEM JUSTIFICATION SHEET		DATE: MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	
<p>3. The Tactical Local Area Network program provides a tactical Command, Control, Communications, Computers and Intelligence Surveillance and Reconnaissance (C4ISR) architecture directly supporting SOF operational commanders' and forward deployed forces' global mission. It provides a standard, interoperable, automated, network-centric infrastructure that interconnects deployed Special Operations Forces (SOF) elements, from smallest team to a Joint Special Operations Task Force headquarters. The program consists of full suites, command and control (C2) suites, mission planning kits (MPKs), and field computing devices (FCDs). Each suite consists of modular integrated network components consisting of: 60 general use laptops, 10 intelligence laptops, commercial servers, routers, and hubs that can operate at user selectable classification levels (unclassified, collateral, coalition or sensitive compartmented information 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 suite via tactical communications. Program increased by FY 2007 and FY 2008 congressional adds and supplemental funds.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 2 new suites and 24 capital equipment replacement suites.</p> <p>ABOVE OPERATIONAL ELEMENT (GARRISON)</p> <p>4. Special Operations Command Research, Analysis and Threat Evaluation System (SOCRATES) is a garrison intelligence automation architecture directly supporting the Command's global mission by providing a seamless and interoperable interface with SOF, DoD, national, and service intelligence information systems. It provides the capabilities to exercise C2, 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 system ensures intelligence support to mission planning and the intelligence preparation of the battle space by connecting numerous data repositories while maintaining information assurance. The system supports HQ 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</p>		

BUDGET ITEM JUSTIFICATION SHEET		DATE: MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	
<p>the shelf software. Program increased by FY 2003, FY 2004, FY 2005, FY 2006, and FY 2008 Supplemental funds. Effective FY 2010, the Joint Interagency Collaboration Center program becomes part of the SOCRATES program.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures next generation technology insertions and a network expansion of 47 workstations.</p> <p>5. The Joint Interagency Collaboration Center 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. Its 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. The program 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. Effective FY 2010 this program becomes part of the SOCRATES program.</p> <p>6. Hostile Forces Tagging, Tracking, and Locating provides global Combatant Commanders and SOF operators with an immediate capability to tag, track and locate people, things, and activities. It provides actionable intelligence to SOF planners. The mission sets are systems comprised of a mix of different classes of tags and their associated detection, interrogation, viewing, tracking and communications systems. Program increased by FY 2005, FY 2006, and FY 2008 Supplemental funds and FY 2006 Congressional add.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 17 mission sets and ancillary equipment and support.</p> <p>7. The Distributed Common Ground/Surface System SOF architecture interconnects the warfighter and sensors to find and fix terrorists and/or individuals. This system provides SOF leadership with situational awareness for planning and executing SOF missions. The system integrates tactical processing, exploitation, and dissemination data into the SOF Information Enterprise, and it develops and integrates SOF networks providing USSOCOM with unique decision capabilities to include measurement and signature data, sensor exploitation, data compressions and</p>		

BUDGET ITEM JUSTIFICATION SHEET		DATE: MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	
<p>man-portable workstations. This program provides the supporting architecture to link the global sensor network to those who will interpret the data for rapid transmission to collaborative partners via the SOF Information Enterprise. This system 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 integration backbone standards and architecture on the SOF Information Enterprise that will support net-centric data sharing between SOF fixed, tactical capabilities, and sensors. In coming years, capabilities will expand to incorporate connectivity to attended and unattended sensors. This program 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.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 38 fixed and 20 replacement fixed workstations, 2 replacement deployable exploitation suites, 8 SOCRATES workstations, 6 SOCRATES enhanced imagery workstations, 11 replacement video processing equipment workstations, and 1 replacement server.</p> <p>FY 2010 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Procures Processing, Exploitation and Dissemination workstations to perform SOF-unique exploitation. Specific information is classified and available under separate cover.</p> <p>8. Sensitive Site Exploitation. Working through liaison relationships formed with Geographic Combatant Commands, the Intelligence Community and Law Enforcement authorities in the United States and Allied partner nations, USSOCOM will lead the formation of Sensitive Site Exploitation teams that specialize in forensics, biometric collection and identification, exploitation of electronic equipment, and document exploitation. This program is the follow-up portion of counterterrorism operations that ensures rapid analysis, exploitation, and dissemination of intelligence gained on-site. 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 2010 PROGRAM JUSTIFICATION: Procures 281 biometric enrollment kits, 306 biometric identification kits and 48 forensic exploitation kits.</p>		

BUDGET ITEM JUSTIFICATION SHEET		DATE: MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	
<p>FY 2010 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Funding will procure 177 biometrics kits.</p> <p>9. Optimal Placement of Unattended Sensors. Procured commercial sensor interface, device and mission planning software. This effort provided 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>10. Simple Imagery Access Falcon View. This is a Congressional add for the TACLAN program. Funding to do enhancements to the Falcon View plug in for the secondary imagery dissemination system architecture.</p> <p>11. Processing and Communications Equipment. Procure equipment to enhance find-fix-finish operations by forces connected to the SIGINT assets.</p> <p>FY 2010 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Funding will procure communications equipment to enhance find-fix-finish operations by forces connected to the processing, exploitation, and dissemination infrastructure.</p>		

Exhibit P-40A, Budget Item Justification for Aggregated Items SOF INTELLIGENCE SYSTEMS						Date: MAY 2009						
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Joint Threat Warning System												
A. Ground SIGINT Kits Increment 2	Space and Naval Warfare Systems Center, Charleston, SC				12	3,972	7	2,319	13	4,345		
(1) Initial Spares/Repair Parts	Space and Naval Warfare Systems Center, Charleston, SC					639		952		785		
(2) Capital Equipment Replacement Program	Space and Naval Warfare Systems Center, Charleston, SC					1,134	17	5,465	42	13,614		
B. Air Variant System Increment 1	Space and Naval Warfare Systems Center, Charleston, SC		30	9,391	12	5,575						
(1) Initial Spares/Repair Parts	Space and Naval Warfare Systems Center, Charleston, SC					697				58		
(2) Capital Equipment Replacement Program	Space and Naval Warfare Systems Center, Charleston, SC								1	531		
C. Team Transportable Variant	Space and Naval Warfare Systems Center, Charleston, SC						1	4,582	1	4,613		
(1) Initial Spares/Repair Parts	Space and Naval Warfare Systems Center, Charleston, SC							572		1,153		
D. Precision Geo Location	TEAMCOR, Warner Robbins, GA		4	3,170					4	3,937		
(1) Initial Spares/Repair Parts	TEAMCOR, Warner Robbins, GA									393		
E. Initial Training							118	141		674		
F. Mid Range Radio Frequency (CONG ADD)								1,595				
G. Supplemental/OCO												
(1) Ground SIGINT Kits								2	2,000			
(2) Precision Geo Location					16	21,850	6	6,000				
(a) Initial Spares						2,160						
(b) Initial Training						50						
Subtotal				12,561		36,195		23,626		30,103		
2. SPECIAL OPERATIONS TACTICAL VIDEO SYSTEM												
A. PME - Remote Surveillance Target Acq												
(1) Remote Observation Post	Integrity Data, Inc., Colorado Springs, CO		109	6,232	19	987	10	596				
(2) Tactical Recon Kit	Integrity Data, Inc., Colorado Springs, CO		130	3,909			10	296				
(3) Sensor Kit	Integrity Data, Inc., Colorado Springs, CO		130	4,630			10	218				
(4) Short Range IR Cameras	Integrity Data, Inc., Colorado Springs, CO		103	1,567			6	73				
(5) Supplemental/OCO												
a. Remote Observation Post	Integrity Data, Inc., Colorado Springs, CO				1	79						
b. Tactical Recon Kit	Integrity Data, Inc., Colorado Springs, CO				20	710						
c. Sensor Kit	Integrity Data, Inc., Colorado Springs, CO				20	411						
B. PME - Digital Video/Still Camera Systems												
Enhanced Night Vision Camera Kit	Integrity Data, Inc., Colorado Springs, CO				33	314	41	384				
Subtotal				16,338		2,501		1,567				

Exhibit P-40A, Budget Item Justification for Aggregated Items SOF INTELLIGENCE SYSTEMS						Date: MAY 2009						
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
3. TACTICAL LOCAL AREA NETWORK												
A. PME - Suites	iGov Technologies, Tampa, FL		35	6,906								
(1) Block II CERP	iGov Technologies, Tampa, FL		25	4,373								
(2) Congressional Add	iGov Technologies, Tampa, FL			996								
B. Portable Intel Collection and Relay Capability	iGov Technologies, Tampa, FL			5,004								
C. PME - Laptops	iGov Technologies, Tampa, FL		1306	5,984								
D. Miscellaneous Tactical ADP	iGov Technologies, Tampa, FL			1,754								
E. Classified						2,543	6	692	2	232		
(1) CERP							18	1,959	24	2,648		
Subtotal				25,017		2,543		2,651		2,880		
4. SOCRATES												
A. Technology Insertions												
(1) Block 6 Upgrade	Multiple			5,611								
(2) Block 7 Upgrade	Multiple			2,064								
B. Intelligence System												
(1) Block 3 Upgrade	Multiple			2,301								
(2) Block 4 Upgrade	Multiple			3,551								
C. Enhanced Imagery Workstations	Multiple		59	6,663	14	1,050						
D. Desktop Workstation	Multiple		723	10,778	207	2,484						
E. Network Expansion	Multiple			23,341		5,596						
F. Intelligence Workstations	Multiple		19	285	225	2,708						
G. Classified	Multiple			6,697		2,522						
H. Headquarters Expansion	Multiple			1,860	60	922	60	953	47	744		
I. Distributed Common Ground/Surface System	Multiple					3,318		50				
J. Evolutionary Technology Insertions	SPAWAR-SD			1,913		3,367		7,692		5,475		
K. Supplemental/OCO	Multiple					2,336						
Subtotal				65,064		24,303		8,695		6,219		
5. Joint Interagency Collaboration Center												
A. Technology Insertions	Multiple			13,184		3,257		3,414				
Subtotal				13,184		3,257		3,414				
6. Hostile Forces Tagging, Tracking, and Locating												
A. Mission Sets	Multiple		10	24,688	6	4,910	12	14,415	17	19,639		
B. Active Sentinel	Multiple					6,375						
C. Supplemental/OCO						16,750						
Subtotal				24,688	6	28,035		14,415		19,639		
7. Distributed Common Ground/Surface System												
A. Servers	Multiple				12	2,236						
Capital Equipment Replacement Program									1	457		

Exhibit P-40A, Budget Item Justification for Aggregated Items SOF INTELLIGENCE SYSTEMS						Date: MAY 2009						
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
B. Video Processing Equipment	Multiple				33	1,535						
Capital Equipment Replacement Program									11	502		
C. Fixed Exploitation Workstations	Multiple				48	2,361	25	1,214	38	1,870		
Capital Equipment Replacement Program									20	1,000		
D. Deployable Exploitation Workstations	Multiple				8	1,212	4	618				
Capital Equipment Replacement Program									2	500		
E. Integration Backbone	Multiple					3,000						
F. Storage	Multiple					898						
G. SOCRATES Workstation	Multiple				21	210	8	82	8	85		
H. SOCRATES Enhanced Imagery Workstation	Multiple				7	420	2	122	6	371		
I. Ancillary Equipment	Multiple					486		247				
Capital Equipment Replacement Program										243		
L. Supplemental/OCO												
(1) Processing, Exploitation, Dissemination Workstation	Multiple								33	1,660		
(2) Classified						600						
Subtotal						12,958		2,283		6,688		
8. SENSITIVE SITE EXPLOITATION (SSE) - SENSOR												
A. Biometric Enrollment kits	Teamcor, Warner Robbins GA				216	4,218	284	5,878	281	5,910		
B. Biometric ID kits	Teamcor, Warner Robbins GA				275	895	318	1,029	306	1,024		
C. IRIS Scanners	Teamcor, Warner Robbins GA				21	76						
D. New Equipment Training						183						
E. Forensic Exploitation Kits	Teamcor, Warner Robbins GA								48	2,008		
F. Initial Spares/Repair Parts						246						
G. Supplemental/Overseas Contingency OCO												
(1) SSE Exploitation Kits							6	100	177	11,600		
Subtotal						5,618		7,007		20,542		
9. Optimal Placement of Unattended Sensors						1,986						
10. Simple Imagery Access Falcon View								399				
11. Processing and Communications Equipment												
A. Supplemental/OCO												
(1) Infrastructure Equipment										10,000		
Prior Years						350,683						
LINE ITEM TOTAL						507,535		117,396		64,057		96,071

BUDGET ITEM JUSTIFICATION SHEET	DATE MAY 2009
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APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SMALL ARMS AND WEAPONS
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Prior Years	FY 2008	FY 2008	FY 2008	FY 2009	FY 2009	FY 2009	FY 2009	FY 2010	FY 2010	FY 2010
	Baseline	Overseas Contingency Operations	Total Request	Baseline	Bridge	Overseas Contingency Operations	Total Request	Baseline	Overseas Contingency Operations	Total Request
878.780	167.736	30.845	198.581	23.420			23.420	35.235	3.800	39.035

COST (In Millions \$)

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 (SEAL) teams; Navy Special Boat Units; Air Force Special Tactics Operators, and Marine Special Operations Command. This budget line procures a variety of weapons and associated equipment to include advanced lightweight grenade launcher, sniper weapon, ground mobility visual augmentation systems, improved night/day observation/fire control devices, precision laser targeting devices, combat assault rifles, machine guns, laser acquisition markers, advanced tactical parachute systems, binocular/monocular visual augmentation systems, soldier personal protection equipment, combat casualty care equipment kits, and weapons accessories. The RDT&E funds are in Program Elements 1160404BB, 1160477BB, 1160478BB and 1160479BB.

1. The advanced lightweight grenade launcher supports the requirement for a vehicle and man-portable high velocity grenade launcher. These systems consist of the 40mm grenade launcher that uses 40mm high velocity, grenade ammunition and pre-fragmented, programmable high explosive air bursting ammunition; and the fire control unit that feeds ballistic solutions to the gun to enable first round hits on target. This program funding was increased by FY 2004, FY 2005, FY 2007, FY 2008 and FY 2009 Congressional adds, and FY 2006 and FY 2007 Supplemental funds.
2. The sniper weapon systems program provides the SOF operator with a family of precision sniper rifle systems (light, medium, and heavy) that provide SOF with the ability to accurately engage enemy personnel and materiel in all SOF environments from 600 to beyond 1500 meters. The precision sniper rifle is the next generation medium sniper system that will provide a quantum leap in anti-personnel engagement capability to the

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SMALL ARMS AND WEAPONS	
<p>SOF warfighter. The future heavy sniper system will provide equitable performance against hard targets. The long-barreled variant of the SOF combat assault rifle (light) and the sniper support rifle variant (heavy) will provide the next generation sniper support system starting in FY 2009. Program funds were increased by FY 2005, FY 2006, FY 2007 and FY 2008 Supplemental funds.</p> <p>FY 2010 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Purchases specialized equipment that is needed to meet the operational threat; specifically, procures 608 MK13 Sniper Rifles. The MK13 provides the Special Forces sniper the ability to engage targets out to 1200 meters. This engagement distance cannot be accomplished by any other handheld weapon system.</p> <p>3. The ground mobility visual augmentation system provides day/night visual augmentation to ground mobility vehicles, and it includes three modules: driver, short range, and long range. These systems provide SOF operators with the ability to conduct short and long range surveillance, reconnaissance, and target acquisition. This capability improves situational awareness and increases safety while operating ground vehicles. Program funds were increased by FY 2007 Supplemental funds. Resources moved to the SOF Visual Augmentation, Sensors and Lasers line item and PE 1160479BB beginning in FY 2009.</p> <p>4. The improved night/day/observation/fire control device 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 day/night conditions. This device allows the sniper to switch from day to night operations without sight and weapon realignment. Program funds were increased by FY 2002, FY 2003, FY 2004, FY 2005, and FY 2006 Congressional adds and FY 2005 and FY 2007 Supplemental funds. Resources moved to the SOF Visual Augmentation, Sensors and Lasers line item and PE 1160479BB beginning in FY 2009.</p> <p>5. The advanced night vision device program procures visual augmentation devices for fire control, surveillance, and land navigation. Resources moved to the SOF Visual Augmentation, Sensors and Lasers line item and PE 1160479BB beginning in FY 2009.</p>		

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SMALL ARMS AND WEAPONS	
<p>6. The combat assault rifle program includes the next generation assault rifle for SOF. There are three weapon systems: the 5.56mm light system, the 7.62mm heavy system, and the 40mm enhanced grenade launcher module. Each weapon will have modular barrel lengths to ensure versatility to mission requirement. Objective is a single weapon capable of complete caliber modularity in addition to barrel modularity. The grenade launcher can be mounted on the combat assault rifle variants or can be configured as a stand alone shoulder fired weapon. The sniper support rifle system variants will provide SOF long range precision fire to ranges of 800 meters and beyond. Enhanced ammunition for all systems will provide greater accuracy, temperature stable propellant, target penetration and terminal effects, and reduction of muzzle flash. Enhanced ammunition for the grenade launcher will be used with the fire control unit and extend the effective range from 300 to 600 meters. Program funds were increased by FY 2009 Congressional adds and FY 2007 and FY 2008 Supplemental funds.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 656 enhanced grenade launcher modules, 1,701 7.62mm rifles, and 893 5.56mm rifles, and provides production support.</p> <p>7. The machine gun program contains two lightweight machine guns. The 5.56mm machine gun is a lightweight (11.5 lbs.), man-portable, highly reliable, corrosion resistant, belt fed, air-cooled machine gun that provides SOF the ability to engage area targets at ranges out to 600 meters. The 7.62mm machine gun provides a compact (18 lbs.), man portable, highly reliable, offensive/defensive weapon system that provides SOF units the ability to project a significant level of firepower out to 1,000 meters, while simultaneously reducing soldier load. Both machine guns are compatible with SOF weapon accessories.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 72 5.56mm machine guns and 35 7.62mm machine guns as phase replacements and provides production support.</p> <p>8. The laser acquisition marker is a designator with range finding capability. The system allows operators to conduct close air support and air interdiction missions through the terminal guidance of laser-guided munitions. A separately procured thermal imager provides a night vision capability. This system is specifically gated and tuned to view the invisible laser spot of the system for use in designating laser guided bombs onto targets. Program funds were increased by an FY 2007 Congressional add, FY 2006 and FY 2007 Title IX funds, and FY 2007 and FY 2008</p>		

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SMALL ARMS AND WEAPONS	
<p>Supplemental funds. Resources moved to the SOF Visual Augmentation, Sensors and Lasers line item and PE 1160479BB beginning in FY 2009.</p> <p>9. The parachute system 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 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.</p> <p>10. The binocular/monocular program procures head/helmet mounted night vision goggle systems. These night vision goggles provide the SOF operator the ability to maneuver, conduct fire control operations, and perform surveillance and reconnaissance. Resources moved to the SOF Visual Augmentation, Sensors and Lasers line item and PE 1160479BB beginning in FY 2009.</p> <p>11. The hand-held imager program has three independent modules: short range/pocket, mid range, and long range. The various modules provide thermal imaging capability aligned with a laser marker and categorized by detection range, weight, and size. Program funds were increased by an FY 2008 Congressional add. Resources moved to the SOF Visual Augmentation, Sensors and Lasers line item and PE 1160479BB beginning in FY 2009.</p> <p>12. The personal equipment and survival system program acquires items that provide SOF personnel required individual protection, survivability, load bearing and dismounted mobility capability for SOF missions. Program funds were increased by FY 2004, FY 2005, FY 2006, FY 2007 and FY 2008 Supplemental funds, FY 2006 Title IX funds, and an FY 2008 Congressional add. Resources moved to the SOF Soldier Survival and Protection System line item and PE 1160478BB beginning in FY 2009.</p> <p>13. The tactical combat casualty care equipment program provides medical devices and equipment for the treatment of casualties in support of SOF. This program provides a variety of Food and Drug Administration-approved medical items to include intravenous infusion devices, patient</p>		

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SMALL ARMS AND WEAPONS	
<p>monitoring and assessment devices, emergency airway kits, and devices that support patient management and enroute care capabilities. This program was increased by FY 2008 Supplemental funds. Resources moved to the SOF Soldier Survival and Protection Systems line item and PE 1160478BB beginning in FY 2009.</p> <p>14. The weapons accessories program provides accessories for all SOF weapons, enabling the operator to tailor the configuration of the weapon to the assigned mission and operational environment. Weapon accessories include equipment such as combat optical sights, night vision systems, rail systems, aiming lasers, muzzle break suppressors and gun lights to be mounted on SOF weapons. The components of these programs 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, FY 2007, and FY 2008 Supplemental funds. Program was increased by FY 2004, FY 2005, FY 2006, FY 2007, FY 2008, and FY 2009 Congressional adds.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 539 combat optical sight-close quarter battle, 893 combat optical sight-carbine, 935 clip-on night vision devices-image intensified, 471 clip-on night vision devices-thermal, 215 clip-on night vision devices-fused image, 1,552 advanced target pointer/illuminator/aiming laser, and 1,625 third generation visible bright lights, and provides production support.</p>		

Exhibit P-40A, Budget Item Justification for Aggregated Items SMALL ARMS AND WEAPONS						Date: MAY 2009						
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PYS		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Adv Lightweight Grenade Launcher												
A. Prime Mission Product	General Dynamics, Burlington,VT		662	70,855	27	4,768	20	3,590				
Subtotal				70,855		4,768		3,590				
2. Sniper Weapon Systems												
A. 7.62mm Rifle	Knights, Vero Beach, FL		903	5,860	30	256						
B. 300 WINMAG Rifle	NSWC Crane, Crane, IN		708	7,108	1,084	1,536	330	454				
C. Precision Sniper Rifle	NSWC Crane, Crane, IN											
D. Production Support	NSWC Crane, Crane, IN			1,501		288		63				
Supplemental/Overseas Contingency Operations (OCO)												
300 WINMAG Rifle	NSWC Crane, Crane, IN								608	3,800		
Subtotal				14,469		2,080		517		3,800		
3. Ground Mobility Visual Augmentation System												
A. Driver Variant	BAE, Dallas,TX					52	1,000					
B. Short Range Variant	FLIR, Boston, MA					20	1,000					
C. Long Range Variant	FLIR, Boston, MA		58	12,057	6	980						
Subtotal				12,057		2,980						
4. Improved Night/Day Observation/Fire Control Device												
A. Prime Mission Product	Knights, Vero Beach, FL		1,491	7,194	382	3,175						
Subtotal				7,194		3,175						
5. Night Vision Devices Legacy												
A. Prime Mission Product	Northrop Grumman, Apopka, FL					22	505					
Subtotal							505					
6. Combat Assault Rifle												
A. Enhanced Grenade Launcher Module	Herstal, Belgium		196	982	443	986			646	2,003		
B. 7.62mm Rifle	Herstal, Belgium		593	3,069	1,492	4,402	1,054	2,991	1,701	5,034		
C. 5.56mm Rifle	Herstal, Belgium		2,178	7,972	10,933	19,414	1,055	2,446	880	1,847		
D. Production Support	Herstal, Belgium					796		239		862		
Supplemental/ (OCO)												
A. Enhanced Grenade Launcher Module						300						
B. 7.62mm Rifle						2,340						
C. 5.56mm Rifle						1,953						
Subtotal				12,023		30,191		5,676		9,746		
7. Machine Guns												
A. 5.56MM	FN Mfg., Inc., Columbia, SC		160	7,643	179	988	158	954	72	476		
B. 7.62MM	FN Mfg., Inc., Columbia, SC		404	3,441	89	840	64	673	35	370		

Exhibit P-40A, Budget Item Justification for Aggregated Items SMALL ARMS AND WEAPONS						Date: MAY 2009						
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PYS		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
C. Production Support	NSWC Crane, Crane, IN			753		20		120		48		
Subtotal				11,837		1,848		1,747		894		
8. Laser Acquisition Marker												
A. Thermal Sights	FLIR, Boston, MA		531	12,874								
B. Laser Target Designators	Northrop Grumman, Apopka, FL		258	11,499	47	4,340						
Supplemental/ (OCO)												
A. Thermal Sights	FLIR, Boston, MA				33	585						
B. Laser Target Designators	Northrop Grumman, Apopka, FL				56	5,141						
Subtotal				24,373		10,066						
9. Tactical Advanced Parachute System												
A. Parachute Systems	Mills MFG, Asheville, NC		2,627	10,424	683	2,711						
Subtotal				10,424		2,711						
10. Binocular/Monocular Devices												
A. Binocular Night Vision Goggles	L3 EOS, Garland, TX				2,431	11,346						
Subtotal						11,346						
11. Hand Held Imagers												
A. Pocket	Insight Tech, Manchester, NH		1,074	8,592	806	6,455						
B. Mid Range	FLIR Systems, Boston, MA				76	1,000						
C. Long Range	FLIR Systems, Boston, MA				51	1,980						
Subtotal				8,592		9,435						
12. Personal Equipment and Survival Systems												
A. Armor Plates	Ceredyne - Costa Mesa, CA		18,443	18,755	16,307	9,132						
B. Soft Armor	Safariland, Ontario CA		25,165	7,891	10,391	3,741						
C. Modular Supplemental Armor Protection	Safariland, Ontario CA		14,124	22,249	7,632	12,020						
D. Body Armor Vests	Eagle: Fenton/Safariland: Ontario		28,241	3,301	12,925	1,516						
E. Backpacks	Mystery Ranch:Bozeman MT/S O Tech; Carson CA; Granite Gear Two Harbors, MN		10,776	790	18,579	3,240						
F. Load Carriage System	National Institute of Severely Handicapped (NISH), Various Locations		19,766	11,760	3,056	12,069						
G. Protective Combat Uniform	NISH, Various Locations		23,521	30,954	7,914	12,637						
H. Modular Glove System	Outdoor Research, Seattle WA				6,013	2,830						
I. Eye Protection	Oakley, Foothills Ranch, CA		19,552	4,040	37,255	6,775						
J. Helmets	Mine Safety Appliances, Pittsburg, PA		12,511	1,254								

Exhibit P-40A, Budget Item Justification for Aggregated Items SMALL ARMS AND WEAPONS						Date: MAY 2009						
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
K. Communications Headsets	Mine Safety Appliances, Pittsburg, PA		12,652	12,798	451	1,347						
L. Visual Augmentation System Helmet Mounts	Norotos, Santa Ana, CA				1,950	975						
A. Armor Plates	Ceredyne - Costa Mesa, CA				2,291	1,283						
B. Soft Armor	Safariland, Ontario CA				2,291	1,022						
C. Load Carriage System	National Institute of Severely Handicapped (NISH), Various				722	2,851						
D. Protective Combat Uniform	NISH, Various Locations				317	507						
E. Helmets	Mine Safety Appliances, Pittsburg, PA				3,460	917						
F. Communications Headsets	Mine Safety Appliances, Pittsburg, PA				1,550	4,627						
G. Visual Augmentation System Helmet Mounts	Norotos, Santa Ana, CA				1,870	935						
Subtotal				113,792		78,424						
13. Tactical Combat Casualty Care Equipment												
A. Medic Kits	SOF Support Activity (SOFSA), Lexington KY		1,081	1,810	121	141						
B. Operator Kits	SOFSA, Lexington KY				2,041	383						
C. Integration Assembly Test	SOFSA, Lexington KY					86						
Supplemental/ (OCO)												
A. Medic Kits	SOF Support Activity (SOFSA), Lexington KY				1,155	1,346						
B. Operator Kits	SOFSA, Lexington KY				17,117	3,218						
C. Production Support	SOFSA, Lexington KY					400						
Subtotal				1,810		5,574						
14. Weapons Accessories												
A. Rail Interface System	Daniel Defense, Savannah, GA		11,950	8,255	1,078	1,062						
B. Combat Optical Sight-Close Quarter Battle	L3Comm/EOTech, Ann Arbor, MI		9,943	4,355	5,141	2,442	1,951	885	539	252		
C. Combat Optical Sight-Carbine	Raytheon/ELCAN, Richardson, TX		10,240	9,637	4,239	7,616	689	641	893	747		
D. Clip-on Night Vision Devices-Image Intensified	Litton EOS, Garland, TX		387	2,292	228	1,888	130	1,000	935	5,064		
E. Clip-on Night Vision Device-Thermal	Insight Tech., Londonberry, NH		1,878	29,623	517	8,377	314	5,513	471	7,644		
G. Clip-on Night Vision Device Fused Image	TBD								215	5,353		
H. Advanced Tactical Precision Infrared Aiming Laser	Insight Tech., Londonberry, NH		16,330	22,862	3,980	5,986	925	2,059	1,552	3,363		
I. Muzzle Breaks and Suppressor-Carbine	Knights Armament, Titusville, FL				323	231	70	79				

BUDGET ITEM JUSTIFICATION SHEET						DATE MAY 2009			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2				P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS					
	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)	76.587	2.932	1.261	.791					
<p>MISSION AND DESCRIPTION: The Maritime Equipment Modification line item provides for MK V Special Operations Craft (SOC) maritime modifications. No associated RDT&E funds.</p> <p>MK V SOC Modifications. Program provides pre-planned product improvements and engineering changes to baseline craft capabilities. Anticipated improvement and changes include but are not limited to sensors, computers, navigation systems, shock mitigation, situational awareness, ergonomic improvements, and weapons subsystems.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Funds various low cost modifications to address obsolescence, ergonomic, and shock mitigation issues.</p>									

BUDGET ITEM JUSTIFICATION SHEET

DATE: MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE-WIDE / 2

P-1 ITEM NOMENCLATURE
MARITIME EQUIPMENT MODIFICATIONS

MODIFICATION SUMMARY

<u>DESCRIPTION</u>	<u>Prior Years</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>
1. Low Cost Modifications				0.791					
2. MKV Ergonomic Modifications		2.932	1.261						
SUBTOTAL FOR MODS		2.932	1.261	0.791					

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BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
SPECIAL APPLICATIONS FOR CONTINGENCIES

	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)	79.775	11.966	12.447						

A new procurement line, Small Tactical Unmanned Aerial Systems (STUASLO) was established beginning in FY 2010. All resources were moved to this line item.

MISSION AND DESCRIPTION: The Special Applications for Contingencies (SAFC) Program develops and deploys special capabilities to perform intelligence surveillance and reconnaissance for deployed Special Operations Forces (SOF) using non-traditional means. It provides a mechanism for SOF user combat evaluation of emerging technologies. 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.

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 various sensor systems for intelligence, surveillance, and reconnaissance (ISR); and various items for emergent contingency requirements.

BUDGET ITEM JUSTIFICATION SHEET						DATE MAY 2009			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SOF COMBATANT CRAFT SYSTEMS						
	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)	142.147	22.533	21.611	6.156					
<p>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 and auxiliary equipment. Currently, it incorporates a rigid inflatable boat, different types of combatant craft, a riverine craft, and a forward looking infrared program. The associated RDT&E funds are in Program Elements (PE) 1160404BB and PE 1160484BB.</p> <p>1. The rigid inflatable boat is a short-range surface craft for SOF insertion and extraction in offshore environments. The initial fielding was completed in FY 2002 and the boats have a seven-year service life. Therefore, the current program has been providing replacement boats and ancillary equipment. This program received FY 2003 and FY 2005 Supplemental funds and FY 2006 Hurricane Katrina Supplemental funds.</p> <p>2. The combatant craft will be a reconfigurable, multi-mission, surface tactical mobility craft with a primary mission to insert and extract SOF in medium and low threat environments. It will phase replace the rigid inflatable boat at the end of its service life. There are different variants for different threat environments. For example, commercial-off-the-shelf craft will be purchased for use in low threat environments.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures four combatant craft and associated government furnished equipment and support equipment.</p> <p>3. 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 and FY 2009 Congressional add for additional boats.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Purchases two riverine craft, two prime movers, deployment packages, pre-planned product improvement (installation and integration of lightweight armor and forward looking infrared radar), engineering changes, and GFE.</p>									

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF COMBATANT CRAFT SYSTEMS	
<p>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.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures four common interchangeable FLIRs for SOF combatant craft.</p>		

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

Date: MAY 2009

Appropriation/Budget Activity -												
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Rigid Inflatable Boat												
A. Craft	U.S. Marine, Inc.; Gulf Port, MS			65,190	8	10,316	8	11,019				
B. Prime Movers and Detachment Deployment Package's (DDP)	U.S. Marine, Inc.; Gulf Port, MS/Fleet Tech Support Center, Atlantic, Washington, DC			11,029				1,077				
Subtotal				76,219		10,316		12,096				
2. Combatant Craft												
A. Craft	TBD											
B. Prime Movers and DDP's	TBD											
C. Initial Spares												
Subtotal												
3. Riverine Craft												
A. Craft	U.S. Marine, Inc.; Gulf Port, MS			31,032	6	9,446	6	6,751	2	3,970		
B. Prime Movers and DDP's	U.S. Marine, Inc.; Gulf Port, MS/Fleet Tech Support Center, Atlantic, Washington, DC			3,344		290		297		321		
Subtotal				34,376		9,736		7,048		4,291		
4. Forward Looking InfraRed System												
A. Prime Mission Product	FLIR Systems, Boston, MA			23,922		2,481	5	2,467	4	1,865		
Subtotal				23,922		2,481		2,467		1,865		
Prior Year Funding												
				7,630								
LINE ITEM TOTAL												
				142,147		22,533		21,611		6,156		

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BUDGET ITEM JUSTIFICATION SHEET						DATE MAY 2009			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2				P-1 ITEM NOMENCLATURE SPARES AND REPAIR PARTS					
	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)	217.286	2.126	3.262	2.010					
<p>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.</p> <p>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.</p> <p>FY 2010 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.</p>									

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BUDGET ITEM JUSTIFICATION SHEET					DATE MAY 2009			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2			P-1 ITEM NOMENCLATURE TACTICAL VEHICLES					
	Prior Years	FY 2008	FY 2008	FY 2008	FY 2009	FY 2010	FY 2010	FY 2010
		Baseline	Overseas Contingency Operations/Title IX	Total		Baseline	Overseas Contingency Operations	Total Request
COST (In Millions \$)	397.594	13.202	538.458	551.660	3.691	18.821	6.865	25.686
<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. The current SOF tactical vehicles include: Lightweight All Terrain Vehicles (Individual), Individual Tactical Vehicle (Light), Ground Mobility Vehicle (Medium), Non-Standard Commercial Vehicles (Commercial) for use in tactical mission and Mine Resistant Ambush Protected vehicles (Heavy). These tactical vehicles are highly effective in executing Operation Enduring Freedom (OEF) and Operation Iraqi Freedom (OIF) missions, and will continue to support the overseas contingency operations (OCO). The associated RDT&E funds are in Program Elements 1160404BB and 1160480BB.</p> <p>1. The individual all-terrain mobility vehicle allows SOF operators the ability to navigate terrain that is inaccessible to standard vehicles. This capability greatly enhances mission success and effectiveness. Program was increased by an FY 2008 Congressional add and FY 2008 Supplemental funds.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures five individual all-terrain vehicles.</p> <p>FY 2010 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: The lightweight tactical all-terrain vehicle (LTATV) is specialized equipment that is needed to meet the operational threat. It is designed to improve SOF mobility in all tactical operational conditions where the terrain is unsuited to heavier vehicles. These vehicles allow the unit to push operators forward clandestinely ahead of the</p>								

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE TACTICAL VEHICLES	
<p>main force, maintaining surprise and reducing advance triggers and enemy early warning. Troops can be inserted, recovered, and repositioned with a smaller overt signature; perform forward reconnaissance and route studies during long-range off-road operations; and reduce unnecessary damage to already heavily-loaded vehicles. Procures 15 LTATVs.</p> <p>2. Ground Mobility Vehicle. The High Mobility Multipurpose Wheeled Vehicle (HMMWV)-based ground mobility vehicle provides the workhorse for SOF ground mobility. Funding procures the base vehicle for Navy components and procures and installs SOF-peculiar modification kits to transform the HMMWV into a SOF ground mobility vehicle. Tactical modifications include, but are not limited to, auxiliary fuel bladders, ammunition 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 armor) are procured and installed on the vehicle. Safety related modifications increase survivability of soldiers in the field and mission effectiveness. The ground mobility vehicle has been fielded with four major sub-configurations and funded accordingly through FY 2009. These sub-configurations will be standardized to a single medium mobility vehicle starting in FY 2010. Program increased by FY 2005, FY 2006, FY 2007, and FY 2008 Supplemental funds.</p> <p>3. Medium Mobility Vehicle. In FY 2010, SOCOM will begin a recapitalization effort to replace 80% of the multi-configured, less capable, legacy ground mobility fleet with a standardized vehicle that includes kitting to enable warfighters to tailor the vehicle based on unique requirements across the entire spectrum of SOF missions. Funding procures the base vehicle for Navy components and installs SOF-peculiar modification kits to transform the HMMWV into a SOF-unique vehicle. This vehicle comes with both base and heavy survivability kits. Base vehicle kits include, but are not limited to, auxiliary fuel bladders, ammunition 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. The heavy vehicle kits include two additional modifications (the Gunner Protection Kit and Cargo Bed Armor) mounted and installed on the vehicle. Additionally, vehicles are equipped with an A-kit to accept a Command, Control, Communication, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) suite to provide an integrated and standardized communications platform across the vehicle fleet.</p>		

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE TACTICAL VEHICLES	
<p>FY 2010 PROGRAM JUSTIFICATION: Funding procures 9 base vehicles and installs 85 SOF-peculiar modification kits to transform the HMMWV into a SOF-unique vehicle.</p> <p>FY 2010 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Procures and installs 22 SOF-peculiar modification kits to replace combat losses.</p> <p>4. Heavy Mobility Vehicle. The heavy mobility vehicle includes the Medium Mine Protective Vehicle (MMPV) RG-31 and Mine Resistant Ambush Protective (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 or common remotely operated weapons station, blue force tracking, and communications equipment. Spiral upgrades will be performed and interim contractor support will be provided. Program increased by FY 2006, FY 2007, and FY 2008 Supplemental funds.</p>		

BUDGET ITEM JUSTIFICATION SHEET					DATE: MAY 2009	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE / 2			P-1 ITEM NOMENCLATURE TACTICAL VEHICLES			
MODIFICATION SUMMARY						
<u>DESCRIPTION</u>	<u>Prior Years</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010 Baseline</u>	<u>FY2010 Overseas Contingency Operations</u>	<u>FY2010 Total Request</u>
1. Medium Ground Mobility Vehicle Modification and Kits				17.343	6.490	23.833
SUBTOTAL FOR MODS				17.343	6.490	23.833

MODELS OF SYSTEMS AFFECTED: M-1165A1

TYPE MODIFICATION: Added Capability

MODIFICATION TITLE: Ground Mobility Vehicle SOF Standardization

DESCRIPTION/JUSTIFICATION: The current family of Special Operations Forces (SOF) tactical vehicles include: individual mobility vehicle, light mobility vehicle, medium mobility vehicle, non-standard commercial vehicles and heavy vehicles. The vehicle is the material solution for the medium class of vehicle. This high mobility multipurpose wheeled vehicle-based vehicle serves as the workhorse for SOF ground mobility. In FY 2010, SOCOM will begin a recapitalization effort to replace 80% of the multi-configured, less capable legacy ground mobility fleet with a standardized vehicle that includes kitting to enable warfighters to tailor the vehicle based on unique requirements across the entire spectrum of SOF missions. Funding procures and installs SOF-peculiar modification kits to transform the high mobility multi-purpose wheeled vehicle into a SOF-unique vehicle. The vehicle comes with both base and heavy survivability kits. Base vehicle kits include, but are not limited to, auxiliary fuel bladders, ammunition 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. The heavy vehicle kits include two additional modifications (the Gunner Protection Kit and Cargo Bed Armor) mounted and installed on the vehicle. Additionally, vehicles are equipped with an A-kit to accept a Command, Control, Communication, Computers, Intelligence, Surveillance and Reconnaissance Suite to provide an integrated and standardized communications platform across the vehicle fleet.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Capability Production Document - 2nd Qtr, FY 2009

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Yrs		FY07		FY08		FY09		FY10		FY11		FY12		FY13		FY14		FY15		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
Base Vehicle Kits									85	6.6													85	6.6
Heavy Vehicle Kits									19	1.0													19	1.0
C4ISR Kits									85	5.4													85	5.4
FY2010 Overseas Contingency Operations																							0	0.0
Base Vehicle Kits									22	2.0													22	2.0
Heavy Vehicle Kits									22	1.5													22	1.5
C4ISR Kits									22	1.6													22	1.6
																							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	85	5.8	143	7.1	143	7.1	208	10.4	208	10.3	282	14.0	0	0.0	108	54.7
Total Proc	0	0.0	0	0.0	0	0.0	0	0.0	85	17.4	143	7.1	143	7.1	208	10.4	208	10.3	282	14.0	0	0.0	1070	66.3

MODELS OF SYSTEMS AFFECTED: M-1165A1

MODIFICATION TITLE: GMV Standardization

INSTALLATION INFORMATION: Install schedule of modification from the service common M-1165A1 to the GMV. "In" is defined as manufacturing/work in progress; "Out" is defined as delivered to the Component.

METHOD OF IMPLEMENTATION: Depot Modification Line at Letterkenny Army Depot and Naval Air Systems Command

ADMINISTRATIVE LEADTIME:

PRODUCTION LEADTIME: 5 Months

Prior Year: N/A

Current Year: N/A

Budget Year 1: Various

Budget Year 2: Various

Prior Year: N/A

Current Year: N/A

Budget Year 1: Various

Budget Year 2: Various

(\$ in Millions)

	Prior Yrs		FY07		FY08		FY09		FY10		FY11		FY12		FY13		FY14		FY15		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PYs																							0	0.0
FY07																							0	0.0
FY08																							0	0.0
FY09																							0	0.0
FY10									108	5.8													108	5.8
FY11																							0	0.0
FY12																							0	0.0
FY13																							0	0.0
FY14																							0	0.0
FY15																							0	0.0
To Complete																							0	0.0
	0	0.0	0	0.0	0	0.0	0	0.0	108	5.8	143	7.1	143	7.1	208	10.4	208	10.3	282	14.0	0	0.0	108	5.8

Installation Schedule

	PYs	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			
In						108																		
Out						41	45	22																

	FY14				FY15				TC	Total
	1	2	3	4	1	2	3	4		
In										108
Out										108

Appropriation/Budget Activity - 0300/BA2

Procurement Items	Contractor and Location	ID Code	PY'S		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Individual All-Terrain Vehicle												
A. Prime Mission Product	TBD		64	1,600	62	1,750			5	123		
Supplemental/Overseas Contingency Operations (OCO)												
Individual All-Terrain Vehicle												
A. Prime Mission Product	TBD				160	4,500			15	375		
Subtotal				1,600		6,250				498		
2. Ground Mobility Vehicles												
A. Navy Variant												
1. Communication A Kits	Special Operations Forces Support Activity (SOFSA), Lexington, KY		114	5,198								
2. Suspensions	SOFSA, Lexington, KY		30	930								
3. Base Vehicle and SOF Modifications				35,653								
Subtotal				41,781								
B. Special Forces Variant												
1. SOF Modifications	Letterkenny Army Depot (LEAD), Chambersburg, PA		314	61,732	55	3,973	50	3,691				
2. Suspensions	SOFSA, Lexington, KY		14	399								
3. Communications	Naval Air Systems Command, St. Inigoes, MD (NAVAIR)				60	2,655						
Subtotal				62,131		6,628		3,691				
C. Ranger Variant												
1. Armor Kits & Install	LEAD, Chambersburg, PA		3	205	17	529						
2. SOF Modifications	LEAD, Chambersburg, PA		3	225	17	919						
3. Communications	NAVAIR, St. Inigoes, MD				2	52						
Subtotal				430		1,500						
D. Marine Variant												
1. Armor Kits & Install	LEAD, Chambersburg, PA		144	27,191	16	480						
2. Communications	NAVAIR, St Inigoes, MD				8	52						
3. Suspensions	SOFSA, Lexington, KY		232	6,961								
4. Tires	Defense Logistics Agency				385	130						
Subtotal				34,152		662						
E. MK 44 Weapon					61	2,662						

BUDGET ITEM JUSTIFICATION SHEET						DATE MAY 2009			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE MISSION TRAINING AND PREPARATION SYSTEMS						
	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)	19.689	69.541	36.044	17.265					
<p>MISSION AND DESCRIPTION: The Mission Training and Preparation Systems (MTPS) line item funds SOF Army, Air Force, Naval and Marine trainers, simulators, simulations and mission planning and rehearsal systems. These systems support initial, proficiency, currency and pre-deployment training and mission rehearsal to support the overseas contingency operations (OCO). These systems are also used in accident investigation and tactics development. Funds are primarily used to produce and deliver new simulators, replace and/or upgrade unsupportable or obsolete systems, and/or to maintain concurrency between fielded weapon systems and existing simulators. The MTPS line item also includes a focus on systems engineering, configuration management, and architecture development, as well as interoperability and commonality among diverse SOF training devices. This focus provides the ability to conduct Distributed Mission Operations, Training and Rehearsal 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:</p> <p>1. Simulator Block Updates: This program procures updates to platform specific preparation and training systems. The updates are necessary to overcome obsolescence and concurrency issues and enhance mission training and rehearsal capabilities. These training systems replicate all, or parts 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, U-28, Non-Standard Aviation 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 A/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, combatant craft, and the Seal Delivery Vehicle; and ground based systems including, but not limited to, marksmanship devices, vehicle and convoy trainers, and game based systems. Also included are distributed training, planning and rehearsal systems and all associated database production systems. These training systems are utilized to support training and mission planning and rehearsal for operators transitioning to locations actively engaged in the OCO, as well as accident investigation.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Continue to provide simulator block updates to the fielded preparation and training systems for U.S. Special Operations Command (USSOCOM), as well as the overarching game based and database systems. Funding also provides for production support.</p>									

BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
MISSION TRAINING AND PREPARATION SYSTEMS

2. 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 Gunship Multispectral Sensor System. This PTT replicates 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.

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

4. Joint Close Air Support (JCAS) Training Systems (currently Joint Terminal Control Training and Rehearsal System). Procures systems required to support JCAS training. Systems are the joint materiel solution adopted from the development of the SOF Air-Ground Interface System (SAGIS) and the SAGIS Operational Requirements Document. Systems provide a fully immersive environment for initial, currency, qualification and pre-deployment training of teams and individuals covering all aspects of controlling joint fires and air traffic control.

5. 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 (CERP) of the hardware required to execute DMO/DMT/DMR. This equipment is used for functions such as database generation and management, exercise control, and network management, as well as production and integration of common solutions to support DMO/DMT/DMR.

FY 2010 PROGRAM JUSTIFICATION: Procures hardware to expand DMTRS capability to meet the full DMO/DMT/DMR requirements. CERP continues for existing hardware. Integrates the SOF Common Database and SOF Common Environment solutions into all MTPS systems.

6. MH-60L to M Simulator Modernization. This program funds all modifications, changes, and updates required to convert the MH-60L full

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE MISSION TRAINING AND PREPARATION SYSTEMS	
<p>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 of the accelerated delivery of aircraft under the MH-60M modernization program.</p> <p>7. 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>8. Warrior Training Systems. Provides training solutions to develop individual and collective proficiencies and to measure those proficiencies in environments that realistically portray combat conditions. This program procures a variety of live, virtual and constructive training systems to train individual, team, and crew technical skills and unit critical tasks. The training systems procured will permit soldiers to practice mission essential tasks in realistic, stressful environments prior to entering the operational arena. Systems may be fixed, modular or portable and provide the ability to continually update training methods and Tactics, Techniques and Procedures (TTPs) as new threats present themselves.</p> <p>9. U-28A Aircrew Training System. This program procures and modifies U-28A aircrew training systems to increase individual and collective proficiency of U-28A crews in TTPs where training is restricted by safety/security considerations and scenario limitations, enhances mishap investigation reporting, and makes U-28A aircraft previously required for crew training available to conduct missions.</p>		

Exhibit P-40A, Budget Item Justification for Aggregated Items Mission Training and Preparation Systems							Date: MAY 2009					
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PYS		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Simulator Block Updates												
A. Prime Mission Product	Various			16,738		22,932		17,193		13,853		
B. Production Support	Various					1,425		2,124		2,133		
Subtotal				16,738		24,357		19,317		15,986		
2. AC-130H/U Sensor Part Task Trainer												
A. Prime Mission Product	FL					4,600						
B. Production Support	A&E, Ogden, UT					292		295				
Subtotal						4,892		295				
3. MC-130W Interim Configuration Simulator												
A. Prime Mission Product	Flight Safety Intl, Tulsa, OK				1	19,427		1,484				
B. Production Support	A&E, Ogden, UT					500		495				
Subtotal						19,927		1,979				
4. Joint Close Air Support Training Systems	Fidelity Tech, Orlando, FL				2	840		2	831			
5. Distributed Mission Training and Rehearsal												
A. Platform Integration	Various							2,583				
B. Production Support	Various							529				
C. Sustaining Support Equipment Replacement	Nova Technologies, Panama City, FL			163		250		196		1,279		
Subtotal				163		250		3,308		1,279		
6. MH-60L to M Simulator Conversion												
A. Prime Mission Product	CAE, Tampa, FL				1	11,115						
B. Production Support	CAE, Tampa, FL					660		1,192				
Subtotal						11,775		1,192				
7. AC-130U Electronic Warfare Officer Station												
A. Prime Mission Product	Lockheed Martin, Orlando, FL							1	6,792			
B. Production Support	A&E, Ogden, UT								336			
Subtotal									7,128			
8. Warrior Training Systems Congressional Add												
A. Prime Mission Product	TBD								1,994			
B. Production Support												
Subtotal												

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BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
COMBAT MISSION REQUIREMENTS

	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)	264.076	17.203	19.941	20.000					

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/modifications, and night vision devices. Program increased by FY 2007 Supplemental funds to purchase Mine Resistant Ambush Protected vehicles. No associated RDT&E funds.

FY 2010 PROGRAM JUSTIFICATION: Procures various equipment items and/or aircraft modifications to rectify emergent critical equipment shortfalls identified in a Combat Mission Needs Statement submitted by theater components or directed by CDR USSOCOM. See P-40A for the individual items purchased in prior years.

Exhibit P-40A, Budget Item Justification for Aggregated Items Combat Mission Requirements					Date: MAY 2009							
Appropriation/Budget Activity -												
Procurement Items	Contractor and Location	ID Code	PY's		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	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 Hardware - Biometrics												
a. Technical Surveillance Equip	Orion Electronics Limited, Windsor, CA		Var	2,778								
b. Biometrics Devices	Cross Match Technologies, Inc., Palm Beach, FL		Var	435								
c. Biometrics Spares	Cross Match Technologies, Inc., Palm Beach, FL		Var	8								
Subtotal				3,221								
3. Joint Threat Warning System												
a. Signal Intelligence Equipment	Global Communication Solution, Victor, NY		Var	8,888								
b. Tethered Signals Intelligence Equipment	Global Communication Solution, Victor, NY		Var	5,270								
c. In Place Monitoring System	SystemWare Inc., Elkridge, MD		11	1,604								
Subtotal				15,762								
4. ROVER III Model 300												
a. Devices	L3, Salt Lake City, UT		167	6,729								
b. Initial Spares	L3, Salt Lake City, UT		17	720								
Subtotal				7,449								
5. Stand Off Structured Munition												
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	SOF Support Activity, Lexington, KY		224	5,305								
c. Titanium	Timet, Exton, PA		203	2,273								
d. Suspensions	Rod Hall Products, Reno, NV		203	5,471								
Subtotal				18,430								

Exhibit P-40A, Budget Item Justification for Aggregated Items Combat Mission Requirements						Date: MAY 2009						
Appropriation/Budget Activity -												
Procurement Items	Contractor and Location	ID Code	PY's		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
7. Armored Non Standard Commercial Vehicle	L3 Comms, Lexington, Kentucky		Var	13,354	Var	2,536						
8. Medium Mine Protected Vehicle RG-31												
a. Vehicles	General Dynamics Land System, London, Ontario, Canada		47	24,236								
b. Remote Weapons Station (RWS) Spares	Kongsburg, Norway		6	1,230								
c. Integration Logistics Support	US Army Tank and Automotive Command (TACOM), Warren, MI			3,517								
Subtotal				28,983								
9. Mine Resistant Ambush Protected Vehicle RG-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	3,522								
11. RC-26 Aircraft	Sierra Nevada Corporation, NV		6	23,100								
12. CV-22 Interim Defensive Weapon	BAE Systems, Johnson City, NY		5	7,794								
13. Body Armor Supplement	Ceradyne, Inc., Costa Mesa, CA		74	202								
14. Mobile Multi-Band Jammer	Impact Science & Technology, Nashau, NH		110	5,710								
15. SATCOM On The Move	NAVAIR, MD			1,430								
16. Concealable Pistols	Glock, Smyrna, GA		104	58								
17. FSOV Small Armored Vehicles	Northrop Grumman, Lithicum Heights, MD				19	1,926						
18. MC-130W Modification Kits	TBD					1,059		19,941				
19. Concealed Body Armor	TBD				440	602						

BUDGET ITEM JUSTIFICATION SHEET						DATE MAY 2009			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2				P-1 ITEM NOMENCLATURE MILCON COLLATERAL EQUIPMENT					
	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)	16.192	12.416	11.687	6.835					
<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 2010 PROGRAM JUSTIFICATION: Provides information technology equipment, video monitoring, targeting systems and other equipment above the Operation and Maintenance threshold of \$250 thousand, as well as items that are centrally managed.</p>									

BUDGET ITEM JUSTIFICATION SHEET						DATE MAY 2009			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SOF AUTOMATION SYSTEMS						
	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)			55.085	60.836					
<p>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.</p> <p>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.</p> <p>1. C4I Automation Systems. This program 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. This program 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.</p>									

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF AUTOMATION SYSTEMS	
<p>FY 2010 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. Commences the engineering and integration of a distributive data center that will integrate five geographically diverse and stand-alone data centers into two centralized, survivable and replicating data centers.</p> <p>2. The Tactical Local Area Network 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 program consists of suites, mission planning kits and field computing devices. Each suite consists of three easily transportable, multiple integrated networks; 60 general use laptops; and 10 intelligence laptops. Mission planning kits consist of 4 general use laptops and ancillary equipment used for SOF teams for detailed mission planning support. Field computing devices are small hand-held computing devices used by the most forward deployed SOF teams to automatically interface with the suite via tactical communications. Program increased by FY 2006 Title IX funds, FY 2007 Supplemental funds and an FY 2008 Congressional add.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 2 network suites, 22 capital equipment replacement suites, 594 field computing devices, 191 laptops, integration and ancillary equipment.</p>		

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BUDGET ITEM JUSTIFICATION SHEET					DATE MAY 2009			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2			P-1 ITEM NOMENCLATURE SOF SOLDIER PROTECTION AND SURVIVAL SYSTEMS					
	Prior Years	FY 2008	FY 2009	FY 2009	FY 2009	FY 2010	FY 2010	FY 2010
				Overseas Contingency Operations	Total Request	Baseline	Overseas Contingency Operations	Total Request
COST (In Millions \$)			19.398	16.250	35.648	.550		.550
<p>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 Teams; Navy Special Boat Units; Air Force Special Tactics Operators; and Marine Forces Special Operations Command. Specialized equipment improves 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 personal protection and survival equipment to include SOF personal equipment and tactical combat casualty care equipment kits. The associated RDT&E funds are in Program Element 1160478BB.</p> <p>1. The personal equipment program acquires items to 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 headsets and visual augmentation system mounts, load carriage systems, protective combat uniforms with extremity protection, and backpacks. This program was increased by FY 2004, FY 2005, FY 2006, FY 2007, FY 2008, and FY 2009 Supplemental funds. Beginning FY 2010, the personal equipment program items will be budget in the Operation and Maintenance appropriation to comply with department policy.</p>								

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SOF SOLDIER PROTECTION AND SURVIVAL SYSTEMS	
<p>2. The tactical combat casualty care program provides medical devices and equipment for the treatment of casualties in support of forward deployed SOF. This program 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, extraction, transportation, and sustainment of casualties. This program was increased by FY 2008, and FY 2009 Supplemental, and an FY 2009 Congressional add.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 92 casualty evacuation kits.</p>		

Exhibit P-40A, Budget Item Justification for Aggregated Items Soldier Protection and Survival System							Date: MAY 2009					
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PY'S *		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cos	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Personal Equipment Advanced Requirements												
A. Body Armor	Ceradyne Inc. Costa Mesa, CA						3,186	1,453				
B. Body Armor Initial Spares	Ceradyne Inc. Costa Mesa, CA											
C. Body Armor Vests	Safari Land Jacksonville, CA and BAE Rockville, MD						3,040	456				
D. Protective Combat Uniform	National Institute of Severely Handicapped (NISH), Various Locations						2,128	3,311				
E. Protective Combat Uniform Initial Spares	NISH, Various Locations											
F. Extremity Protection	Outdoor Research, Seattle WA						1,806	1,061				
G. Load Carriage System	NISH, Various Locations						2,647	4,276				
H. Helmet Communication Headsets	Peltor, Indianapolis, IN and TEA, Brewster, NY						100	121				
I. Visual Augmentation System Mounts	Norotos, Santa Ana CA and Wilcox, Newington NH						5,820	2,668				
J. BackPack System	Mystery Ranch:Bozeman MT/S O Tech:Carson CA; Granite Gear Two Harbors MN						5,708	1,474				
Supplemental/Overseas Contingency Operations (OCO)												
A. Helmet Communication Headsets	Peltor, Indianapolis, IN and TEA, Brewster, NY						8,000	8,100				
Sub-Total								22,920				
2. Tactical Combat Casualty Care Equipment Kits												
A. Medical Kits	SOFSa, Lexington KY						105	221				
B. Production Support	SOFSa, Lexington KY							575				
C. Evacuation Kits	SOFSa, Lexington KY						312	3,782	92	550		
Supplemental/Overseas Contingency Operations (OCO)												
A. Operator Kits	SOF Support Activity (SOFSa), Lexington KY						11,532	6,573				
B. Medical Kits	SOFSa, Lexington KY						744	1,577				
Subtotal								12,728		550		
*All PY dollars prior to FY 2009 are in the Small Arms and Weapons Line Item												
LINE ITEM TOTAL												
								35,648		550		

BUDGET ITEM JUSTIFICATION SHEET						DATE MAY 2009			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SOF VISUAL AUGMENTATION, LASERS AND SENSOR SYSTEMS						
	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)			25.276	33.741					
<p>MISSION AND DESCRIPTION: The SOF Visual Augmentation, Lasers and Sensor 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. This budget line procures a variety of day/night vision equipment and laser system capabilities to include ground mobility visual augmentation systems, improved night/day observation/fire control devices, precision laser targeting devices, laser acquisition markers, binocular/monocular systems, and hand held imagers. The associated RDT&E funds are in Program Element 1160479BB.</p> <p>1. The sniper detection system is a passive acoustic system that detects and locates small arms fire origins and provides SOF units with the relative azimuth, elevation, and range. It has 360-degree coverage and allows users time to respond to hostile fire. This system can integrate with the PILAR Versatile Observation Turret (PIVOT) for target identification "prior to fire" capability.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 10 PIVOT systems.</p> <p>2. The ground mobility visual augmentation system provides day/night visual augmentation to ground mobility vehicles, and it includes three modules: driver, short range, and long range. These systems provide SOF operators with the ability to conduct short and long range surveillance, reconnaissance, and target acquisition. This capability improves situational awareness and increases safety while operating ground vehicles.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 7 driver systems and installation kits. Provides production support.</p> <p>3. The improved night/day observation/fire control device 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 day/night conditions. The device allows the sniper to go from day to night operations without re-zeroing.</p>									

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF VISUAL AUGMENTATION, LASERS AND SENSOR SYSTEMS	
<p>4. The advanced night vision device program procures long-range visual augmentation devices for fire control, surveillance, and land navigation.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Funds various current night vision products.</p>		
<p>5. The precision laser targeting device 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 device provides precision accuracy in the geo-location of targets for the precise delivery of GPS-guided munitions. The system will eliminate fratricide incidents and reduce collateral damage during close air support missions.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 29 devices, associated ancillary equipment, and production support.</p>		
<p>6. The laser acquisition marker is a laser target designator with range finding capability. The marker allows operators to conduct close air support and air interdiction missions through the terminal guidance of laser-guided munitions. A separately procured thermal imager provides a night vision capability. This system is specifically gated and tuned to view the invisible laser spot of the marker for use in designating laser guided bombs onto targets.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 35 thermal sights, 36 laser target designators, production support, and acceptance testing.</p>		
<p>7. The binocular/monocular program procures head/helmet mounted night vision goggle systems. These goggles provide the SOF operator the ability to maneuver, conduct fire control operations, and perform surveillance and reconnaissance.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 1,315 binocular night vision goggles, production support and acceptance testing.</p>		

BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
 PROCUREMENT, DEFENSE - WIDE / 2

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

8. The handheld imager program provides the SOF operator with a lightweight, man-portable imager, which allows the operator to detect, acquire, and observe targets during day/night operations and in the presence of obscurants. Program increased by FY 2009 Congressional add.

FY 2010 PROGRAM JUSTIFICATION: Procures 903 pocket handheld imager devices.

BUDGET ITEM JUSTIFICATION SHEET	DATE MAY 2009
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APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SOF TACTICAL RADIO SYSTEMS
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	Prior Years	FY 2008	FY 2009	FY 2010	FY 2010	FY 2010		
				Baseline	Overseas Contingency Operations	Total Request		
COST (In Millions \$)			23.497	53.034	5.448	58.482		

MISSION AND DESCRIPTION: The SOF Tactical Radio Systems line item 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 overseas contingency operations (OCO) and training exercises. They also provide interoperability with all Services, various agencies of the U.S. 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. This radio 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. The radio 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

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SOF TACTICAL RADIO SYSTEMS	
<p>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, FY 2006 Title IX funds, and FY 2009 Congressional Add.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 106 radio vehicle mounts and ancillary equipment.</p> <p>2. Joint Base Station. This program is an evolutionary acquisition program to procure the most current technological tactical C2 communications system to provide radio communications capability for deployed and forward-based SOF and Theater Special Operations Commanders supporting OCO and other SOF activities. The projected solution will consist of a full-scaled deployable transit case variant, a deployable downsized transit case variant, and a fixed base station variant. All variants will be capable of integrating existing and future USSOCOM approved radios and be compliant with the future Joint Tactical Radio System. This system interfaces, enhances, and combines multiple, single-channel radios into one integrated C2 suite. The 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 system provides the SOF Commander and staff with the capability to send and receive voice, data, and messages among the inserted SOF warfighter and higher headquarters, liaison officers, other government agencies, and coalition partners. Program increased by FY 2004, FY 2005, FY 2006, FY 2007, and FY 2008 Supplemental funds.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures seven deployable transit case variants and two lightweight deployable transit case variants with associated ancillary equipment, training, initial spares, and internet protocol interface.</p> <p>3. Multiband Inter/Intra Team Radio. This radio 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 current radio, these missions required SOF teams to carry multiple handheld and manpack radios operating in various frequency bands to ensure positive communications capability. This radio provides each of these multiple 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 with evolving Radio standards. Program increased by FY 2005 and FY 2007 Supplemental funds.</p>		

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SOF TACTICAL RADIO SYSTEMS	
<p>FY 2010 PROGRAM JUSTIFICATION: Procures 1,365 urban systems, 117 maritime radios and ancillary equipment.</p> <p>FY 2010 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Procures 406 Multiband Inter/Intra Team Radios for 203 Ground Mobility Vehicles in theater. These radios are critically needed to ensure full mission capability of the communications systems.</p> <p>4. Special Mission Radio System. This radio provides voice and data communication in either a manpack or base station configuration. 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. This radio supports general purpose and special reconnaissance missions with embedded certified COMSEC capability, conventional military standard automated link establishment, and low probability of intercept/detection (LPI/D) waveforms. Program increased by FY 2006 and FY 2007 Supplemental funds.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 20 General Purpose HF Vehicle Mount Radios and ancillary equipment.</p> <p>5. SOF Tactical Communications. This capability will be the next generation communication system and replace most of the currently fielded SOF suite of radios. This system will introduce additional capabilities to SOF to improve current situational awareness capabilities and performance on SOF platforms: Capabilities include real time, accurate hostile and friendly force information; Line of Sight (LOS) and BLOS communications; and access to situational awareness in the form of intelligence inputs, broadcasts, and networks. The system will be a key component of an integrated network providing information connectivity among SOF, the Services, other government agencies, and potentially indigenous and surrogate forces. It will provide SOF the continuity of information for execution of tasks in support of the OCO. Tasks include secure and non-secure voice, video, imagery and data among all its Components, during all aspects of military operations, and from a broad range of sources. The system will consolidate multiple handheld, manpack and fixed mount radios the SOF teams are required to carry. The devices will capture as much market-provided next generation communications capability to begin fielding in the next three years, and will feature NSA endorsed type 1 embedded COMSEC. This capability will enhance C2, threat warning, force protection, situational awareness, combat search and rescue, counter-fratricide, battlefield visualization and combat identification to remotely track and monitor friendly forces.</p>		

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SOF TACTICAL RADIO SYSTEMS	
<p>The system will consist of five (5) basic form factors: 1) Manpack device will be a multiband device capable of being carried by an individual or being mounted on various SOF platforms; 2) Fixed configuration will be a multiband and/or HF device designed for implementation into air/ground/sea platforms or base stations; 3) High-frequency device in a manpack configuration will be capable of being mounted on various SOF platforms; 4) Handheld device will include both an Urban and Maritime variant; 5) Individual device will be a small handheld device to provide intra-team communications capability of voice, data and video information unlike conventional communications systems.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 111 handheld radios, 6 manpack fixed mount radios, 148 manpack radios, 1 high frequency device, and ancillary equipment.</p> <p>6. Blue Force Tracking. This effort is a family of devices used to remotely track and monitor friendly forces. The capability enhances C2, threat warning, force protection, situational awareness, combat search and rescue, counter-fratricide, battlefield visualization and combat identification. This emerging capability is unique to SOF because it requires the devices to be lightweight, portable, secure and a Low Probability of Intercept/Low Probability of Detection. SOF systems include the miniature transmitter and the handheld device that provides automated transmission of position location information and brevity codes supporting both ground and air assets. This information is collected by national assets and relayed to the United States Strategic Command's Mission Management Center, where the information is forwarded to selected command units and displayed on the receiving unit's common operational picture. The miniature transmitter may also utilize line-of-sight receiver for collection in lieu of national assets for local, discrete and training missions.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures 489 devices.</p>		

Exhibit P-40A, Budget Item Justification for Aggregated Items SOF Tactical Radios						Date: MAY 2009						
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. MULTI-BAND/MULTI MISSION RADIO												
A. Fixed Mount Hardware (various configurations)	Raytheon; Ft. Wayne, IN						126	7,254	106	5,952		
B. Ancillary Equipment	TBD									15		
Subtotal								7,254		5,967		
2. JOINT BASE STATION												
A. Transit Case Variant Hardware	NAWCAD, Patuxent River, MD					2	3,105		7	7,891		
(1) Initial Spares/Repair Parts	NAWCAD, Patuxent River, MD									54		
(2) Initial Training	NAWCAD, Patuxent River, MD									15		
B. Lightweight Transit Case Variant Hardware	NAWCAD, Patuxent River, MD					17	6,265		2	787		
(1) Initial Spares/Repair Parts	NAWCAD, Patuxent River, MD									238		
(2) Initial/Training	NAWCAD, Patuxent River, MD									31		
C. Internet Protocol												
Subtotal								9,708		8,678		
3. MULTI-BAND INTER/INTRA TEAM RADIC												
A. Urban Radio Hardware	Thales Comm Inc., Clarksburg, MD						808	4,212	1,365	10,585		
B. Maritime Radio Hardware	Thales Comm Inc., Clarksburg, MD						38	273	117	908		
C. Ancillary Equipment	Thales Comm Inc., Clarksburg, MD							1,321		15,938		
D. Supplemental/Overseas Contingency Operation (OCO)												
(1) Vehicle Radio Hardware	Thales Comm Inc., Clarksburg, MD									406	5,448	
Subtotal								5,806		32,879		
4. SPECIAL MISSION RADIO SYSTEM												
A. HF Radios-Vehicle Mounts Hardware	Harris, Rochester, NY						14	729	20	682		
B. Ancillary Equipment	TBD									26		
Subtotal								729		708		
5. SOF Tactical Communications												
A. Hardware	TBD											
(1) Hand held	TBD									111	1,411	
(2) Manpack Fixed Mount	TBD									6	385	
(3) Manpack	TBD									148	4,461	
(4) High Frequency	TBD									1	49	
(5) Ancillary Equipment	TBD										31	
Subtotal											6,337	
6. Blue Force Tracking Devices												
(1) Ancillary Equipment	TBD									489	3,913	
Subtotal											3,913	
LINE ITEM TOTAL												
								23,497		58,482		

BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
SOF MARITIME EQUIPMENT

	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)	89.266	6.926	13.410	2.777					

MISSION AND DESCRIPTION: The Special Operations Forces (SOF) Maritime Equipment Line item provides SOF unique equipment and related production support necessary for SOF units to execute special operations in a maritime environment. 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.

1. DDS. DDS is a certified diving system that attaches to modified host submarines. Program provides certification and field changes for the DDS.

FY 2010 PROGRAM JUSTIFICATION: Provides engineering design, fabrication, assembly, and test of field change kits. Complete field changes for external hydraulics, high pressure air, and track and cradle modification.

2. HMU. Handheld underwater integrated navigation, bathymetric, and oceanographic sensor system used to conduct hydrographic reconnaissance, harbor penetration, and ship attack missions.

FY 2010 PROGRAM JUSTIFICATION: Provides engineering, integration and installation of hardware and software to address obsolescence issues for the HMU.

3. NBOE. Program provides NBOE for the Combat Rubber Raiding Craft, which may be launched from submarines and surface craft/ships.

Exhibit P-40A, Budget Item Justification for Aggregated Items SOF MARITIME EQUIPMENT						Date: MAY 2009						
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PYS		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Dry Deck Shelter Field Changes	Oceaneering International, Inc. Chesapeake, VA		1	6,395		5,681		13,213		2,678		
2. Hydrographic Mapping Unit	TBD					300		197		99		
3. Non-Gasoline Burning Outboard Engine	TBD					63	945					
Prior Year Funding				82,871								
LINE ITEM TOTAL				89,266		6,926		13,410		2,777		

BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
MISCELLANEOUS EQUIPMENT

	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)	199.490	14.022	15.286	7.576					

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. Joint Operational Stocks (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, and bare base support. The JOS inventory is maintained, stored and issued through the SOF Support Activity located in Lexington, KY. The Military Liaison Element (MLE) equipment program is also funded under the JOS funding convention in the budget and provides for sustainment of these equipment sets. Program increased by FY 2003, FY 2006, and FY 2007 Supplemental funds.

FY 2010 PROGRAM JUSTIFICATION: Resolves authorization shortfalls for high demand equipment and to replace equipment lost to attrition such as sniper weapons, night vision and optics, communications gear, and bare base assets that result from extensive support to SOF in executing the overseas contingency operations.

2. NSW CESE. Program replaces all non-tactical automotive vehicles and engineering support equipment required to support NSW administrative functions and training operations. Program increased by FY 2006 Hurricane Katrina Supplemental funds.

FY 2010 PROGRAM JUSTIFICATION: Continued life cycle replacement of vehicles and construction/maintenance equipment in accordance with authorized inventory objectives.

3. NSW SOF Peculiar Weapons Sustainment. Provides life cycle replacement of current NSW weapons not centrally managed by any SOCOM

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT	
<p>Program Manager.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures replacement weapons and receivers for authorized items.</p> <p>4. Automatic Equipment Identification. The Special Warfare Automated Logistic Information System establishes a single source of critical and authoritative logistics data required to enhance operational assessment and planning. This system is required to fully integrate inventory management, property book, and maintenance data collection necessary to implement total asset visibility.</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>		

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BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
PSYOP EQUIPMENT

	Prior Years	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
QUANTITY									
COST (In Millions \$)	221.848	46.137	55.614	43.081					

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 Elements 1160404BB and 1160488BB.

OPERATIONAL ELEMENT (TEAM)

1. The Family of Loudspeakers program 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. Equipment is transported, operated, and mounted in ground vehicles, watercraft, and rotary wing aircraft, and dismounted for ground operations (tripod/manpack). This capability permits loudspeaker missions to be conducted over larger areas than previous equipment and provides a greater standoff distance for U.S. Forces/assets. The next generation loudspeaker system (NGLS) will consist of seven variants: manpack variant; vehicle/watercraft variant; unmanned air vehicle variant; unmanned ground vehicle variant; scatterable media long duration variant; scatterable media short duration variant; and sonic projection (focused sound) variant. NGLS will provide 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 provide high quality recorded audio, live dissemination, and acoustic deception capability.

FY 2010 PROGRAM JUSTIFICATION: Procures 32 manpack variants and 48 ground vehicle/watercraft variants.

2. The Leaflet Delivery System 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.

BUDGET ITEM JUSTIFICATION SHEET

DATE MAY 2009

APPROPRIATION / BUDGET ACTIVITY
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE
PSYOP EQUIPMENT

FY 2010 PROGRAM JUSTIFICATION: Procures 25 systems.

ABOVE OPERATIONAL ELEMENT (DEPLOYED)

3. The PSYOP Broadcast System 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. This program is comprised of several interfacing systems that can stand alone or interoperate with other PSYOP systems as determined by mission requirements. This program includes the fixed site media production center; a deployable theater media production center; a distribution system that provides a product distribution link to systems worldwide; a media system; the transit case fly-away broadcast systems that consists 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. The long range broadcast system will include unmanned aerial vehicle payloads, scatterable media, telephony, and Internet broadcast. PSYOP media displays 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, and will support the PSYOP direct broadcast mission requirements. The Special Operations Media System-B is a tactical deployable radio and television broadcast system. It is designed to act as the forward deployed broadcast platform of products. It has limited production capabilities and is made up of two independent systems: mobile radio broadcast system (AM, FM, SW) and a mobile television broadcast system (VHF, UHF) capable of receiving audio and video products for broadcasting.

FY 2010 PROGRAM JUSTIFICATION: Procures 12 PSYOP distribution systems, 10 television long range broadcast systems, and 10 FM long range broadcast systems. Upgrades the media production center hardware.

4. The PSYOP print system disseminates PSYOP products. The system has three variants: light, medium, and heavy. The light variant is a rapid deployable print system for creating, editing and producing print products at forward locations. It consists of commercial-off-the-shelf and government-off-the-shelf components deployed by a heavy high mobility multi-wheeled vehicle with a generator. The medium variant will be

BUDGET ITEM JUSTIFICATION SHEET		DATE MAY 2009
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT	
<p>a deployable high volume print system for creating, editing and producing products at the theater level. The heavy variant is a high volume print system operated at Fort Bragg, NC, in a fixed, controlled-environment facility. All PSYOP print systems will be interoperable with each other, 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.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Procures one medium variant and one heavy variant.</p> <p>5. Commando Solo supports combat operations by flying PSYOP 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 that 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.</p> <p>FY 2010 PROGRAM JUSTIFICATION: Complete replacement of obsolete narrowband transmitters on the three hardwired aircraft and ground support systems.</p> <p>6. PSYOP Media Displays 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 electronic messages to target audiences. The displays consist of electronic media displays, media display systems, 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 displays for changeable visual messages to be presented day and night. The media display system will be standalone electronic media displays capable of presenting full audio/video products. The electronic paper will be sheet, poster, bill-board media capable of presenting video or text that can be changeable. The 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> <p>FY 2010 PROGRAM JUSTIFICATION: Procures five media display systems, integration, initial spares, and training.</p>		

Appropriation/Budget Activity - 0300/BA2												
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Procurement Items	Contractor and Location	ID Code	PY'S		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. FAMILY OF LOUDSPEAKERS												
A. Manpack Variant	TEAMCOR, Warner Robbins, GA				6	272	86	4,306	32	1,751		
B. Vehicle/Watercraft Variant	TEAMCOR, Warner Robbins, GA						63	4,727	48	3,800		
C. Initial Spares/Repair Parts	TBD							733				
D. Initial Training	TBD							157				
Subtotal						272		9,923		5,551		
2. LEAFLET DELIVERY SYSTEM												
A. Hardware									25	1,255		
Subtotal										1,255		
3. PSYOP BROADCAST SYSTEM												
A. PSYOP Distribution System												
(1) Light Variant	SPAWAR, Charleston, SC				37	5,970	72	12,299	12	2,265		
(2) Medium Variant	SPAWAR, Charleston, SC				8	3,235						
(3) Ancillary Equipment	SPAWAR, Charleston, SC					2,300				2,117		
B. Fly-Away Broadcast Systems												
(1) Initial Spares/Repair Parts	NAWCAD, Patuxent River, MD				1,411			292				
(2) Broadcast Radio Hardware	NAVAIR, Lexington Park, MD						2	3,793				
(3) Broadcast Integration	NAVAIR, Lexington Park, MD					1,669		1,575				
(4) Initial Training	NAVAIR, Lexington Park, MD					326		175				
C. Media Production Center												
(1) Hardware	NAVAIR, Lexington Park, MD		3	8,292		485		2,967		1,095		
(2) Integration	NAVAIR, Lexington Park, MD					560						
(3) Initial Training	NAVAIR, Lexington Park, MD					92						
D. Long Range Broadcast System												
(1) Television Broadcast Hardware	TBD								10	3,986		
(2) FM Broadcast Hardware	NAWCAD, Patuxent River, MD & PRA Albuquerque, NM								10	3,986		
(3) UAV Platform Integration	NAWCAD, Patuxent River, MD & PRA Albuquerque, NM									2,952		
(4) Initial Spares/Repair Parts	NAWCAD, Patuxent River, MD & PRA Albuquerque, NM									788		
(5) Initial Training	TBD									984		
E. Special Operations Media System-B												
(1) Mobile Radio Broadcast System	NAVAIR, Lexington Park, MD		4	18,004	4	10,231	5	12,884				
(2) Mobile Television Broadcast System	NAVAIR, Lexington Park, MD						1	3,100				
(3) Integration	NAVAIR, Lexington Park, MD					6,188		6,639				
(4) Initial Spares	NAVAIR, Lexington Park, MD					1,027		1,229				
(5) Initial Training	NAVAIR, Lexington Park, MD					1,456		738				
Subtotal				27,707		33,539		45,691		18,173		

Exhibit P-40A, Budget Item Justification for Aggregated Items PSYOP EQUIPMENT						Date: MAY 2009						
Appropriation/Budget Activity - 0300/BA2												
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2008		FY 2009		FY 2010		FY 2011	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
4. PSYOP PRINT SYSTEM	NAVAIR, Lexington Park, MD											
A. Lite Variant	TEAMCOR, Warner Robbins, GA		2	12,000	3	3,800						
B. Medium Variant	TEAMCOR, Warner Robbins, GA				4	4,232						
C. Integration						2,500			1	2,953		
D. Heavy Variant	TBD								1	2,491		
E. Initial Spares/Repair Parts	TEAMCOR, Warner Robbins, GA					1,070						
F. Initial Training	TEAMCOR, Warner Robbins, GA					323						
Subtotal				12,000		11,925				5,444		
5. COMMANDO SOLO												
A. Narrow Band Transmitter Replacement	NAVAIR, Lexington Park, MD		7	22,116						7,971		
B. Equipment Upgrade	NAVAIR, Lexington Park, MD					186						
C. Initial Spares						215						
D. Upgrade Training										59		
Subtotal				22,116		401				8,030		
6. PSYOP Media Display	TBD											
A. Media Display System	TBD								5	3,518		
C. Integration	TBD									195		
D. Initial Spares	TBD									768		
E. Initial Training	TBD									147		
Subtotal										4,628		
Prior Year Funding				160,025								
DERF Funding (Non-Add)				11,303								
LINE ITEM TOTAL				221,848		46,137		55,614		43,081		

