United States Special Operations Command

Fiscal Year (FY) 2012 Budget Estimates

February 2011

Procurement, Defense-Wide

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FEBRUARY 2011

UNITED STATES SPECIAL OPERATIONS COMMAND

PROCUREMENT DOCUMENTATION FOR THE FISCAL YEAR (FY) 2012 PRESIDENT'S BUDGET

Table of Contents

FEBRUARY 2011

UNITED STATES SPECIAL OPERATIONS COMMAND

PROCUREMENT DOCUMENTATION FOR THE FISCAL YEAR (FY) 2012 PRESIDENT'S BUDGET

Table of Contents (Continued)

ORGANIZATIONS

1 SOW	1st Special Operations Wing
160th SOAR	160th Special Operations Aviation Regiment
AFSOC	Air Force Special operations Command
ARSOA	Army special operations Aviation
BGAD	Blue Grass 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

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ACRONYMS

A2C2S	Army Aviation Command & Control System
AA	Anti-Armor
AAR	After Action Review
AAWG	Alternative Analysis Working Group
ABIS	Automated Biometric Identification System
ACAT	Acquisition Category
ACO	Administrative Contracting Officer
ACP	Automatic Colt Pistol
ACTD	Advanced Concepts Technology Demonstration
ADAS	Advanced Distributed Aperture System
ADI	Attitude Direction Indicator
ADM	Area Deterrent Munitions
ADM	Acquisition Decision Memorandum
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
AEA	Aviation Engineering Analysis
AECV	All Environment Capable Variant (UAS)
AESP	Autonomous Expeditionary Support Platform (medical)
AFCS	Auto Flight Control System
AFROCC	Air Force Operational Capabilities Council
AFSB	Afloat Forward Staging Base (Naval Systems)
AFSOC	Air Force Special Operations Command
AGE	Arterial Gas Embolism
AGTV	Armored Ground Tactical Vehicle
AHRS	Attitude Heading Reference System
AIP	(ASDS) Improvement Program
AIS	Automated Information System
ALE	Automatic Link Establishment
ALGL	Autonomous Landing Guidance System
ALGS	Advanced Lightweight Grenade Launcher
ALLTV	All Light Level Television
ALMBOS	Acquisition, Logistics, Management and Business Operations Support
AMHS	Automated Message Handling System
AMP	Avionics Modernization Program
AMR	Anti-Materiel Rifle
AMSA	Acquisition Management System
AMSA	Alternative Material Solution Analysis
ANA	Afghan National Army
ANP	Afghan National Police
AoA	Analysis of Alternatives
AOI	Area of Interest

AOPBS	Aircraft Occupant Ballistic Protection System
AOR	Area of Responsibility
APB	Acquisition Program Baseline
APC	Acquisition Project Category (USSOCOM)
APM	Assistant Program Manager (formerly System Acquisition Manager (SAM))
APWG	Acquisition Protection Working Group
ARAP	ASDS Reliability Action Panel
ARATS	Aircraft Radar APQ-170 Test Station
ARB	Acquisition Review Board
ARDC	Army Research Development and Engineering Center
ARL	Army Research Lab
ARL	Army Research Laboratory
ARL - UT	Applied Research Lab - University of Texas
ARV	Armored Recovery Variant (MRAP)
AS	Acquisition Strategy
AS&C	Advanced Systems Concept
ASAD	Advanced Studies and Development
ASC	Aeronautical Systems Center
ASD	Assistant Secretary of Defense
ASD (NII)	ASD for Networks and Information Integration
ASD (SO/LIC)	ASD for Special Operations and Low Intensity Conflict
ASDS	Advanced Sea, Air, Land (SEAL) Delivery System
ASE	Aircraft Survivability Equipment
ASFF	Afghanistan Security Forces Fund
ASIC	Application Specific Integrated Circuit
ASICD	Application Specific Integrated Circuit Development
ASM	Anti Structural Munitions
ASMA	Alternative Solution Materials Analysis
ASOIE	Associated Support Items of Equipment
AT&L	(OSD) Acquisition, Technology, and Logistics
ATA	Alternate (or Additional) Test Aircraft (CV-22)
ATACMS	Army Tactical Missile System
ATD	Advanced Technology Demonstration
ATD/TB	AC-130U Gunship Aircrew Training Devices/Testbed
ATIRCM	Advanced Threat Infrared Countermeasures
ATL	Advanced Tactical Laser
ATM	Asynchronous Transfer Mode
ATPIAL	Advanced Tactical Precision Illuminator Aiming Laser
ATPS	Advanced Tactical Parachute System
ATR	Above Threshold Reprogramming
AT-UBA	Advanced Technology Underwater Breathing Apparatus
ATV	All Terrain Vehicle
AUV	Armored Utility Variant (MRAP)

AvFID	Aviation Foreign Internal Defense
AWE	Aircraft, Weapons, Electronics
AWES	Area Weapons Effects Simulation
BAA	Broad Area Announcement
BAFO	Best and Final Offer
BAI	Backup Aircraft Inventory
BALCS	Body Armor Load Carriage System
BFM	Business Financial Manager
BFT	Blue Force Tracking
BGAD	Blue Grass Army Depot
BIO	Basic Input Output
BLOS	Beyond Line-of-Site
BLOSeM	Below Line-of-Site Electronic Support Measures
BMATT	Brief Multi-mission Advanced Tactical Terminal
BMS	Battle Management System
BNVS	Binocular Night Vision System
BOD	Board of Directors
BOI	Basis of Issue
BOIA	Basis of Issue Approved
BOIP	Basis of Issue Plan
BOIR	Basis of Issue Requirement
BRP	Bombardier Recreational Products
BTR	Below Threshold Reprogramming
BUD/S	Basic Underwater Demolition School
BULLDOG XL	All-Terrain transport (AKA MUTT) vehicle
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
CAC	Cost Accounting Codes
CAE	Component Acquisition Executive
CAIG	Cost Analysis Improvement Group
CAIV	Cost as an Independent Variable
CALS	Continuous Acquisition and Life Cycle Support
CAMS	Combat Autonomous Mobility System
CAP	Combat Air Patrol
CAP	Cost Analysis Panel
CAPE	Cost Assessment and Program Evaluation (OSD; replaces PA&E)
CAPS	Counter-Proliferation Analysis and Planning System
CAS	Close Air Support

CASEVAC	Group Level Casualty Evacuation
CAS-TIC	Close Air Support - Troops in Contact
CAT	Acquisition Category
CBA	Concealable Body Armor
CBN	Chemical, Biological and Nuclear
CBS	Cost Breakdown Structure
CCB	Configuration Control Board
CCCEKIT	Combat Casualty Care Equipment Kit
CCD	Charged Coupled Device (Forward Looking Infrared Radar Only)
CCD	Coherent Change Detection
CCFLIR	Combatant Craft Forward Looking Infrared (Radar)
CCH	Combatant Craft - Heavy
CCJO	Capstone Concept for Joint Operations
CCL	Combatant Craft - Light
CCM	Combatant Craft - Medium
CCSA	Combat Command Support Agency
CDD	Capabilities Development Document
CDR	Commander
CDR	Critical Design Review
CEP	Circular Error Probable/Probability
CEQ	Council on Environmental Quality
CERP	Capital Equipment Replacement Plan
CERP	Cost Estimating Relationships
CERTEX	Certification Exercise
CESE	Civil Engineering Support Equipment
CET	Capability Evaluation Team
CF&DR	Conditional Fielding and Deployment Release
CFE	Contractor Furnished Equipment
CFR	Code of Federal Regulations
CI	Counterintelligence
CIDS	Capabilities Integration and Development Systems
CIDS	Combat Identification
CINC	Commander in Chief
CIO	Chief Information Officer
CJSOAC	Commander Joint Special Operations Air Component
CL	Centerline (as in ASDS/JMMS)
CLR	Combat Loss Replacement
CM	Configuration Management
CMDS	Countermeasure Dispensing System
CMNS	Combat Mission Needs Statement
CMS	Combat Mission Simulator
CNO	Chief, Naval Operations
CNSWC	Commander, Naval Special Warfare Command

CNT	Combating Narco Terrorism
CNVD	Clip-On Night Vision Device
CO	Contracting Officer
COA	Cooperative Opportunity Analysis
COA	Course of Action
CODEL	Congressional Delegation
COE	Corps of Engineers
COIL	Chemical Oxygen Iodine Laser
COIL	Contract of Interest
COIL	Critical Operational Issue
COMSEC	Communications Security
CONOPS	Concept of Operations
COR	Contracting Officer's Representative
CORB	Command Operations' Review Board
CoS	Chief of Staff
COTS	Commercial-Off-The-Shelf
COW	Cost of War
CP	Concealable Pistol
CP	Counter-Proliferation
CPAF	Cost Plus Award Fee
CPARS	Contractor Performance Assessment Reporting System
CPD	Capabilities Production Document
CPI	Critical Program Information
CRB	Capability Review Board
CRIF	Consolidated Rapid Integration Facility
CRM	Comment Review Matrix
CRRC	Combat Rubber Raiding Craft
CS	Combat Swimmer
CS	Confined Space (Light Anti-Armored Weapons)
CSAR	Combat Survivor Evader Locator
CSB	Configuration Steering Board
CSEL	Combat Search and Rescue
CSH	Combat Submersible - Heavy
CSM	Combat Submersible - Medium
CSOLO	Commando Solo
CSR	Critical System Review
CT	Counter Terrorism
CTP	Critical Technical Parameters
CTTL	Clandestine Tagging, Tracking, and Locating
CVR	Cockpit Voice Recorder
CW	Center Wing
CWG	Capability Working Group
DA	Direct Action

DAA	Designated Approval Authority
DAB	Defense Advisory Board
DAC	Defense Acquisition Challenge
DAC	Discretionary Access Control (in message system)
DAGR	Defense Advanced Global Positioning System Receiver
DAMA	Demand Assured Multiple Access
DARPA	Defense Advanced Research Projects Agency
DAS	Distributed Aperture System
DASD-CN	Deputy Secretary of Defense - Counter Narcotics
DAWG	Deputy Advisory Working Group
DCDR	Deputy Commander
DCGS	Data Common Ground/Surface System
DCS	Decompression Sickness
DDL	Digital Data Link
DDP	Detachment Deployment Packages (Maritime)
DDR&E	Director, Defense Research & Engineering
DDS	Dry Deck Shelter
DEPORD	Deployment Orders
DERF	Defense Emergency Response Fund
DFARS	Defense Federal Acquisition Regulation Supplement
DFAS	Defense Finance and Accounting Service
DHEA	Dehydroepiandrosterone
DHIP	Defense Human Intelligence Program
DIAM	Data Interface Acquisition Module
DIRCM	Directional Infrared Countermeasures
DITPR	Defense Information Technology Portfolio Repository
DITPR	Directory Information Tree (message system)
DLR	Depot Level Replacements (Replenishment)
DMCS	Deployable Multi-Channel SATCOM
DMS	Defense Message System
DMS	Diminished Manufacturing Sources (ASDS)
DMT/DMR	Distributed Mission Training/Distributed Mission Rehearsal
DNI	Director National Intelligence
DoD	Department of Defense
DoDD	Department of defense Directive
DODI	Department of Defense Instruction
DOE	Department of Energy
DoP	Director of Procurement
DOTMLPF	Doctrine, Organization, Training, Material, Leadership & Education, Personnel & Facilities
DPAP	Director of Procurement and Acquisition Policy
DPPC	Deployable Print Production Center
DPS	Defense Planning Scenarios
DROG	Defense Resources Overview Guidance

DS&TI	Designated Science and Technology Information
DSLD	Dry Submersible Long Duration
DSO	Direct Support Operators
DSRV	Deep Submergence Rescue Vehicle
DSS	Deep Submergence Systems
DT	Development and Test
DT&E	Development Test and Evaluation
DTA	Development & Test Aircraft
DTT	Desk Top Trainer
DUSD	Deputy Under Secretary of Defense
EA	Evolutionary Acquisition
EADS	European Aeronautical Defense & Space Company (Airbus Parent)
EADS	Expendable Airdrop Delivery System
EAPS	Engine Air Particle Separator
ECAC	Evasion and Conduct After Capture (part of SERE school)
ECHS	Enhanced Cargo Handling System
ECM	Electronic Countermeasures
ECO	Engineering Change Order
ECOS	Enhanced Combat Optical Sights
ECP	Engineering Change Proposal
EDM	Engineering Development Model
EFIS	Electronic Flight Information System
EFP	Explosively Forced Penetrator
EGLM	Enhanced Grenade Launcher Module
EIR	Embedded Integrated Broadcast System Receiver
EIRS	Enhanced Infrared Suppression
ELT	Emergency Locator Transmitter
EMD	Engineering and Manufacturing Development
EMP	Electromagnetic Pulse (weapon)
ENTR	Embedded National Tactical Receiver
EO/IR	Electro-Optical Infrared
EPRO	Environmental Protection
ERTP	Extended Trans-Regional PSYOP Program
ESA	Enhanced Situational Awareness
ESG	Expeditionary Strike Group (Naval Systems)
ESOH	Environmental Safety and Occupational Health
ESWBS	Expanded Ship Work Breakdown Structure
ETCAS	Enhanced Traffic Alert and Collision Avoidance System
ETI	Evolutionary Technology Insertion
ETV	Extreme Terrain Vehicle
EUAS	Early User Assessment
EUAS	Expeditionary UAS
EUE	Extended User Evaluation

EVM	Earned Value Management
EW	Electronic Warfare
EWAISF	Electronic Warfare Avionics Integrated Systems Facility
EWO	Electronic Warfare Officer
F&DR	Fielding & Deployment Release
F2EA	Find & Fix Exploitation Analysis
F3EA	Find, Fix, Finish, Exploit, Analyze
FAA	Federal Aviation Administration
FAA	Functional Area Analysis
FAADC2	Forward Area Air Defense Command and Control
FABS	Fly-Away Broadcast System
FAR	Federal Acquisition Regulation
FATA	Federally Administered Tribal Area
FBCB2	Force XXI Battle Command, Brigade and Below
FCD	Field Computing Devices
FCT	Foreign Comparative Testing
FDEK	Forward Deployed Equipment Kit
FEPSO	Field Experimentation Program for Special operations
FFE	Fire From Enclosure
FID	Foreign Internal Defense
FISA	Foreign Intelligence Surveillance Act
FLIR	Forward Looking Infrared Radar
FMAV	Fleet Maintenance Availabilities
FMBS	Family of Muzzle Brake Suppressors
FMS	Foreign Military Sales
FMV	Full Motion Video
FNA	Functional Needs Analysis
FNM	Foreign & Nonstandard Materiel
FOC	Final (or Full) Operational Capability
FOIA	Freedom of Information Act
FOL	Family of Loud Speakers
FOPEN	Foliage Penetration
FOS	Forward Operating Site
FOS (or FoS)	Family of Systems
FOT&E	Follow-on Test and Evaluation
FPM	Flight Performance Model
FRACAS	Failure Reporting Analysis and Corrective Action System
FSA	Functional Solutions Analysis
FSDS	Family of Sniper Detection Systems
FSOV	Family of SOF Vehicles
FSR	Field Service Representative
FSW	Family of Sniper Weapons
FSWG	Force Structure Working Group

FTE	Full Time Equivalent
FUE	First Unit Equipped
FW	Fixed Wing
FY	Fiscal Year
FYDP	Future Year(s) Defense Plan
GAB	Global Address Book (message system)
GATM	Georgia All Terrain Monsters (Vehicle Manufacturer)
GBS	Global Broadcasting System
GCC	Geographical Combatant Commanders
GDF	Guidance for the Development of the Force
GDIP	General Defense Intelligence Program
GDS	Gunfire Detection System
GDSOF	Guidance for the Development of Special Operations Forces
GEF	Global Employment of the Force
GEO	Geological
GFE	Government Furnishment Equipment
GIG	Global Information Grid
GMS-2	Gunship Multispectral System - 2
GMTI	Ground Moving Target Indicator
GMV	Ground Mobility Vehicles
GM-VAS	Ground Mobility Visual Augmentation Systems
GOTS	Global Observer (UAV)
GOTS	Government-Off-the-Shelf
GPK	Gunner Protection Kit
GPPC	Gov't Property in the Possession of Contractors
GPS	Global Positioning System
GR&A	Ground Rules and Assumptions
GRID	Global War on Terrorism (GWOT) Request Information Database
GSK	Ground Signal Intelligence Kit
GSM	Global System Mobile
GSN	Global Sensor Network
GSP	Global SOF Posture
HALE	High Altitude Long Endurance
HAR	Hazard Assessment Report
HASC	House Armed Services Committee
HE	High Explosive
HEI	High Explosive Incendiary
HF	High Fragmentation (munitions)
HF	High Frequency
HFIS	Hostile Fire Indicating System
HFTTL	Hostile Forces Tagging, Tracking, and Locating
HHI	Hand Held
HHI	Hand Held Imager

HIS	Human Systems Integration
HLA	High Level Architecture
HMMWV	High Mobility Multi-purpose Wheeled Vehicle
HMU	Hydrographic Mapping Unit
HOA	Head of Agency
HOA	Horn of Africa
HPFOTD	High Power Fiber Optic Towed Decoys
HPMMR	High Performance Multi-Mission Radio (PRC-117F)
HPS	Human Patient Simulator
HRLMD	Hydrographic Reconnaissance Littoral Mapping Device
HSB	High Speed Boat
HSE	Host Support Equipment
HSR	Heavy Sniper Rifle
H-SUV	Hardened-Sport Utility Vehicle
HUD	Heads Up Display
HVI	High Value Individual
HVT	High Value Target
IAS/CMS	Integration Avionics System/Cockpit Management System
IAT	Integration Assembly & Test
IBR	Intelligence Broadcast Receiver
IBS	Integrated Bridge System (Naval System)
IBS	Integrated Broadcast Service
IC	Interim Configuration
ICA	Independent Cost Assessment
ICAD	Integrated Control and Display
ICD	Initial Capabilities Document
ICE	Independent Cost Estimate
ICLS	Interim Contractor Logistics Support
ICS	Interim Combat System (Naval Systems)
ICS	Interim Contractor Support
ICT	Integrated Concept Team
IDAP	Integrated Defensive Armed Penetrator
IDAS	Interactive Defensive Avionics Subsystem
IDS	Infrared Detection System
IDWS	Interim Defensive Weapon System (CV-22 All-Quadrant Gun)
IED	Improvised Explosive Devices
IFF	Identify Friend or Foe
IFTS	Integrated Financial Tool for SOAL (integrated Financial Tracking System?)
IGPS (or iGPS)	Iridium Global Positioning System
ILM	Improved Limpet Mine
ILSP	Integrated Logistics Support Plan
ILSS	Integrated Logistics Support Strategy
IM	Insensitive Munitions

IMFP	Integrated Multi-Function Probe
INFOSEC	Information Security
INOD	Improved Night/Day Observation/Fire Control Device
INS	Inertial Navigation System
IOC	Initial Operational Capability
IOT&E	Initial Operational Test & Evaluation
IOV	Indigenous Operations Vehicle
IPC	International Program Office
IPOC	Initial Proof-of-Concept
IPT	Integrated Product Team
IPUMA	Intergraded Precision Underwater Mapping
IQAF	Iraqi Air Force
IR	Infrared
IRAM	Improvised Rocket Assisted Munitions (or Mortar)
IRCM	Infrared Countermeasures
IRD	Initial Requirements Document
ISAF	International Security Assistance Force (NATO)
ISFF	Iraqi Security Forces Fund
ISOCA	Improved Special Operations Communications Assemblage
ISP	Information Support Plan
ISP	Integrated Service Desk
ISR	Intelligence Surveillance and Reconnaissance
ISSMS	Improved SOF Manpack System
ISSO	Information Systems Security Office
IT	Information Technology
IT&E	Integrated Test & Evaluation
ITMP	Integrated Technical Management Plan
ITPP	Information Technology Project Plan
ITT	Integrated Test Team
IUID	Item Unique Identification
IWIS	Integrated Warfare Info System
JAMS	Joint Attack Munitions Systems
JBS	Joint Base Station
JCA	Joint Cargo Aircraft
JCD	Joint Capabilities Document
JCET	Joint/Combined Exercise Training
JCIDS	Joint Capabilities Integration and Development System
JCS	Joint Chiefs of Staff
JCTD	Joint Concept Technology Demonstration
JDAM	Joint Direct Attack Munitions
JDISS	Joint Deployable Intelligence Support System
JEM	Joint Enhanced Multi-Purpose Inter/Intra Team Radio
JFA	Joint Functional Area

JHL	Joint Heavy Lift
JICO	Joint Interface Control Officer
JIEDO	Joint Improvised Explosive Device Office
JMC	Joint Munitions Command
JMDSE	Joint Medical Distance Support and Evacuation
JMISC	Joint Military Info Systems Command
JMMS	Joint Multi-Mission Submersible
JMPS	Joint Mission Planning System
JMTG	Joint Military Terminology Group
JOS	Joint Operational Stocks
JPADS	Joint Precision Airdrop System
JPATS	Joint Primary Aircraft Trainer System
JPATS	Joint Process Action Team
JPG	Joint Programming Guidance
JPO	Joint Program Office
JPOTF	Joint Psychological Task Force
JREC	Joint Resources Executive Council
JRMP	Joint Resources Management Process
JROC	Joint Requirements Oversight Council
JRWG	Joint Resources Working Group
JSOAC	Joint Special Operations Aviation Components
JSOC	Joint Special Operations Command
JSOTF	Joint Special Operations Task Force
JSTAR	Joint Surveillance and Target Attack Radar System
JTAC	Joint Terminal Attack Controller
JTC	Joint Terminal Control
JTCITS	Joint Tactical C4I Information Transceiver System
JTF	Joint Task Force
JTRS	Joint Tactical Radio System
JTWS	Joint Threat Warning System
JUON	Joint Urgent Operational Need
JWSTAP	Joint Weapons Safety Technical Advisory Panel
KPP	Key Performance Parameter
LAIRCM	Large Aircraft Infrared Control Measures
LAN/WAN	Local Area Network/Wide Area Network
LASAR	Light Assault Attack Reconfigurable Simulator
LASIK	Laser-Assisted IN-Situ Keratomileusis
LASSO	Land and Sea Special Operations (mobility)
LAW	Light Anti-Armored Weapons
LBJ	Low Band Jammer
LCCE	Life Cycle Cost Estimate
LCM	Life Cycle Management
LCM	Low Cost Modifications

LCMP	Life Cycle Management Plan
LCMR	Lightweight Counter Mortar Radar
LCSM	Life Cycle Sustainment Manager
LCSMP	Life Cycle Sustainment Management Plan
LCSP	Life-Cycle Sustainment Plan
LDS	Leaflet Delivery System
LEP	Lightweight Environmental Protection
LEVUAS	Long Endurance Vertical Take Off and Landing UAS
LFT&E	Live Fire Test and Evaluation (Maritime)
LIO	Lock In/Out (on ASDS/JMMS)
LIPT	Logistics Integrated Product Team
LLTM	Long Lead Time Material
LMAMS	Lethal Miniature Aerial Munitions System
LMG	Lightweight Machine Gun
LO	Low Observable (UV)
LOE	Limited Objective Experimentation
LOGSU	Logistics and Support Unit
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
LR-GMVAS	Long Range Ground Mobility Visual Augmentation Systems
LRIP	Low Rate Initial Production
LRPP	Long Range Planning Process
LRV	Light Reconnaissance Vehicle
LSV	Logistics Support Vehicle
LTAV	Lightweight Tactical All Terrain Vehicle
LTD	Laser Target Designator
LTDR	Laser Target Designator/Rangefinder
LTI	Lightweight Thermal Imager
LTT	Locating, Tagging, Tracking
LTV	Land Transport Vehicle
LVA	Low Visibility Aviation
LVNS	Low Visibility Non-Standard (Naval Systems)
LVY	Low Volume Terminal
LWC	Littoral Warfare Craft
LWCM	Lightweight Counter-Mortar
LWIR	Long-wave Infrared
M&S	Modeling & Simulation
M2	Multi-Mission Unmanned Aircraft System
M4MOD	M4A1 SOF Carbine Accessory Kit

MAAWS	Multi-Purpose Anti-Armor/Anti-Personnel Weapons System
MACE	Multi-Agency Collaboration Environment
MAC-II	Mission Assurance Category Level 2
MADE	Maritime Access to a Denied Environment
MAIS	Major Automated Information System
MALET	Medium Altitude Long Endurance Tactical (UAS)
MANPAD	Man Portable Air Defense System
MARSOC	Military Amphibious Reconnaissance System (Army NBOE)
MARSOC	U.S. Marine Special Operations Command
MASINT	Measurement and Signature Intelligence
MATT	Multi-mission Advanced Tactical Terminal
MBE	Mission Based Experimentation
MBITR	Multi-Band Inter/Intra Team Radio
MBLT	Machine Based Language Translator
MBMMR	Multi-Band/Multi-Mission Radio
MBSS	Maritime Ballistic Survival System
MCADS	Maritime Craft Air Drop System
MCAR	MC-130 Air Refueling
MCD	Man caused disaster (formerly terrorist)
MCU	Multipoint Conferencing Unit
MDA	Milestone Decision Authority
MDAP	Major Defense Acquisition Program
MDNA	Mini Day/Night Sight
ME	Military Equipment
MEDTECH	Special Operations Medical Technology Development
MELB	Mission Enhancement Little Bird
MET	Meteorological
MEV	Military Equipment Valuation
MFP	Major Force Program
MFP	Materiel Fielding Plan
MFP-11	Major Force Program-11
MICH	Modular Integrated Communications Helmet
MIDS	Multifunction Information Distribution System
MILDEP	Military Department
MILES	Multiple Integrated Laser Engagement System
MIP	Military Intelligence Program
MIST	Military Information Support Teams
MIST	Miniature ISR Technology
MIU	Munitions Interface Unit
MK 8 (or MK 8 Mod 1)	Mark 8 Sea, Air, Land (SEAL) Delivery Vehicle (SDV)
MK V	Mark V Combatant Craft
MLE	Military Liaison Element
MMA	Material Management Activity (J4)

MMB	Miniature Multiband Beacon
MOA	Memorandum of Agreement
MOE	Measures of Effectiveness
MONO-HUD	Monocular Head Up Display
MOP	Measures of Performance
MOSA	Modular Open System Architecture
MOST	Mobile Over the Snow Transport
MPARE	Mission Planning, Analysis, Rehearsal and Execution
MPC	Media Production Center
MPC	Multi-Purpose Canine (military working dog)
MPK	Mission Planning Kits
MPOC	Mission Predator Operations Center
MQ-1	Predator Unmanned Vehicle
MQ-9	Reaper Unmanned Vehicle
MRAP	Mine Resistant Ambush Protected
MRD	Mission Rehearsal Device
MS	Milestone
MSGL	Multi-Shot Grenade Launcher
MSLO	Mass Swimmer Lock-Out
MSV	Maritime Support Vessel
MTBM	Mean Time Between Maintenance
MTPS	Master Test Plan
MTPS	Mater Test Plan
MTPS	Mission Training and Preparation System
MTRC	Mobile Technology Repair Center
MTs	Mission Tasks
MTT	Mobile Training Teams
MUA	Military Utility Assessment
MUTT	Mobile Utility Terrain Transport (aka Bulldog XL)
MWIR	Mid-wave Infrared
MWS	Missile Warning system
NAVAIR	Naval Aviation Systems Command
NAVSCIATTS	Naval Small Craft Instructor and Technical Training School
NAVSEA	Naval Systems Engineering Command
NAVSPECWARCOM	Naval Special Warfare Command
NBC	Nuclear, Biological, and Chemical
NBOE	Non-Gasoline Burning Outboard Engine
NC-MIO	Non Compliant Maritime Interdiction Operations
NDAA	National Defense Authorization Act
NDI	Non-Developmental Item
NEPA	National Environmental Policy Act
NET	New Equipment Training
NGES	Northrop Grumman Electronics Systems

NGG	Next Generation Gunship
NGLDS	Next Generation Leaflet Delivery system
NGLRS	Next Generation Long Range Strike
NGSB	Northrop Grumman Ship Building
NIP	National Intelligence Program
NISH	National Institute of Severely Handicapped
NM	Nautical Miles
NMF	National Mission Force
NOSC	Network Operations Systems Center
NRE	Non-Recurring Engineering
NRT	Near Real Time
NSAV	Non-Standard Aviation
NSCV	Non Standard Commercial Vehicle
NSS	National Security Systems
NSSS (aka TENCAP)	National Systems Support to SOF
NSW	Naval Special Warfare
NSWC	Naval Special Warfare Command
NTISR	Non-Traditional Intelligence, Surveillance, Reconnaissance
NUWC	Naval Undersea Warfare Center
NVD	Night Vision Devices
NVEO	Night Vision Electro-Optic
O&M	Operations and Maintenance
OA/CW	Obstacle Avoidance/Cable Warning
OACE	Open Architecture Computing Environment
OAS	Obstacle Avoidance Sonar (or System)
OAS	Office of Aerospace Studies (Air Force)
OAS	Organization of American States
OBESA	On-Board Enhanced Situational Awareness
OCO	Operator Compartment (ASDS/JMMS)
OCO	Overseas Contingency Operations
ODNI	Office of he Director of National Intelligence
OEF	Operation Enduring Freedom
OEF-CCA	Operation Enduring Freedom - South America Caribbean/Central America
OEF-H	Operation Enduring Freedom - Horn of Africa
OEF-P	Operation Enduring Freedom - Philippines
OEF-TS	Operation Enduring Freedom - Trans Saharan Africa
OEP	Operations Effectiveness Panel
OGA	Other Government Agencies
OIF	Operation Iraqi Freedom
OIO	Offensive Information Operations
OMB	Office of Management and Budget
OMMS	Organizational Maintenance Manual Sets
ONS	Operational Needs Statement

ONS	Operational Needs Statement
OPEVAL	Operational Evaluation
OPG	Operational Planning Guidance
OPTEVOR	Operational Test and Evaluation Force
ORD	Operational Requirements Document
OSA	Open Systems Architecture
OSD	Office of the Secretary of Defense
OT	Operational Test (or Testing)
OT&E	Operational Test and Evaluation
OTA	Operational Test Agency
OTB	Over The Beach
OTI	One Time Inspection
OTRWG	Operational Test Readiness Working Group
OWS	Operation Willing Spirit (SOUTHCOM)
P3I	Pre-Planned Product Improvement
PAB	Personal Address Book (message system)
PAC	Process Analysis Control
PACCM	Psychological Operations Automated Command and Control Module
PAI	Primary Aircraft Inventory
PAM	Penetration Augmented Munitions
PARD	Passive Acoustic Reflection Device
PC	Patrol Coastal
PC	Personal Computer
PCO	Procurement Contracting Officer
PCOR	Primary Contracting Officers' Representative
PDA	Personal Digital Assistant
PDAE	Principle Deputy to the Acquisition Executive
PDM	Program Decision Memorandum
PDR	Pre-Design Refinement
PDR	Preliminary Design Review
PDR	Program Deviation Report
PDS	Psychological Operations Distribution System
PED	Personal Electronic Devices
PED	Processing, Exploitation, Dissemination
PEO	Program Executive Office (or Officer)
PESHE	Programmatic Environment Safety and Occupational Health Evaluation
PFPS	Portable Flight Planning System
PFS	Principle for Safety
PGCB	Precision Guided Canister Bomb
PGM	Precision Guided Munitions
PGSE	Peculiar Ground Support Equipment
PHST	Packaging, Handling, Storage, and Transportation
PIA	Post Independent Analysis

PIA	Primary Training Aircraft Inventory
PIPT	Program Integrated Product Team
PLCCE	Program Life Cycle Cost Estimate
PLED	Polymer Light Emitting Diode
PLTD	Precision Laser Targeting Device
PM	Program (or Project) Manager
PMAC	Program Management Allocation Criteria
PM-MCD	Project Manager for Mines, Countermeasures and Demolitions
PMSOA	Program Specific Memorandum of Agreement
POBS	Psychological Operations Broadcasting System
POE	Program Office Estimate
POG	Psychological Operations Group
POMD	Program Objective Memorandum
POMD	Psychological Operations Media Display
POPAS	PSYOP Planning and Analysis System
POPS	Psychological Operations Print System
POPS	PSYOP Print System
POR	Program of Record
POTUS	President of the United States
PPBE	Planning, Programming, Budget, and Execution
PPHE	Pre-Fragmented Programmable High Explosive
PPI	POM Preparation Instruction
PPIED	Pressure Plate Improvised Explosive Device
PPP	Program Protection Plan
PRK	Photo Refractive Keratectomy
PRTV	Production Representative Test Vehicle
PSAS	Persistent Surface Attack System-of-Systems
PSMOA	Program (or Project) Specific Memorandum of Agreement
PSP	Precision Strike Package
PSR	Precision Sniper Rifle
PSR	Program Support Review
PSYOP	Psychological Operations
PTLD	Precision Target Locator Designator
PTT	Part Task Trainer
QOT&E	Qualification Test and Evaluation/Qualification Operational Test and Evaluation
QRF	Quick Reaction Force
RAA	Required Assets Available (or Availability)
RAM	Reliability, Availability, Maintainability
RAMS	Remote Activated Munitions System
RCM	Requirements Correlation Matrix
RD&A	Research, Development, and Acquisition
RDR	Radar Warning Receiver
RDT&E	Research, Development, Test, and Evaluation

REB	Regional Engagement Branch
REITS	Rapid Exploitation of Innovative Technologies
RF	Radio Frequency
RFF	Request for Forces
RFI	Ready for Issue
RFI	Request for Information
RFIED	Radio Frequency Improvised Explosive Device (IED)
RFT	Ready for Training
RGB	Red, Green, Blue
RGR	Ranger Regiment
RIB	Rigid Inflatable Boat
RIS	Radio Integration System
RMD	Resource Management Decision
RMS	Root-Mean Square
RMWS	Remote Miniature Weather System
ROAR	Rover Over the Horizon Augmented Reconnaissance
ROIP	Radio Over Internet Protocol (IP)
ROMO	Range of Military Operations
ROSES	Reduced Optical Signature Emissions System
RPUAS	Rucksack Portable Unmanned Aircraft System
RRT	Rapid Response Team (CMNS)
RSTA	Reconnaissance Surveillance Target Acquisition
RUT	Realistic Urban Training
RVM	Requirements Validation Matrix
RW	Rotary Wing
RWR	Radar Warning Receivers
RWS	Remote Weapons Station
RWS	Remote Weapons System
S&T	Science & Technology
SADBU	Small and Disadvantaged Business Utilization
SAFC	Special Applications for Contingencies
SAGIS	SOF Air-Ground Interface Simulator
SAGIS	Study Advisory Group
SAHRV	Semi-Autonomous Hydrographic Reconnaissance Vehicle
SAM	System Acquisition Manager (no longer used - now called Assistant Program Manager (APM))
SAMP	Single Acquisition Management Plan
SAP	Special Access Program
SAPR	Sexual Assault Prevention and Response
SAR	Selected Acquisition Report
SARC	Sexual Assault Response Coordinator
SASC	Senate Armed Services Committee
SAT	Simplified Acquisition Threshold
SATCOM	Satellite Communication

SAVE	Small Assault Vehicle Expeditionary
SAW	Small Arms and Weapons
SBIR	Small Business Innovative Research
SBR	System Baseline Review
SBSA	Small Business Set Aside
SBT	Special Boat Team
SBUD	Simulator Block Update
SCAR	SOF Combat Assault Rifle
SCAR	Strike Control and Reconnaissance (Gunship)
SCG	Security Classification Guide
SCI	Sensitive Compartmented Information
SCPC	Single Channel Per Carrier
SCSO	USSOCOM Center for Special Operations
SDD	System Design and Development
SDD	System Development and Demonstration
SDN-M	SOF Deployable Node-Medium
SDS	Sniper Detection System
SDV	Sea, Air, Land (SEAL) Delivery Vehicle
SDV-N	SEAL Delivery Vehicle - Next Generation
SE	Support Equipment
SE	Systems Engineering
SEAD	Suppression of Enemy Air Defenses
SEAL	Sea, Air, Land
SEALION	Sea, Air, Land, Insertion Observation Neutralization
SEP	Systems Engineering Plan
SERE	Survival, Escape, Resistance, and Evasion
SFA	Security Force Assistance
SHARK	SOF High-Speed Agile Reachback Kit
SIC	Special Identifiable (or identifier) Code (message system)
SIE	SOF Information Enterprise
SIE	SOF Information Environment
SIGINT	Signals Intelligence
SIL	Systems Integration Lab
SIPE	Swimming Induced Pulmonary Edema
SIPRNET	Secure Internet Protocol Router Network
SIRCM	Suite of Infrared Countermeasures
SIRFC	Suite of Integrated Radar Frequency Countermeasures
SIT	Squadron Integration Training
SKOS	Sets, Kits and Outfits
SKR	Silent Knight Radar
SLAAMRAM	Surface Launched AMRAAM
SLAM	Selectable Lightweight Attack Munitions
SLDW	SOF logistics Data Warehouse

SLED	SOF Long Endurance Demonstrator
SLEP	Service Life Extension Program
SLNBOE	Submersible Lightweight Non-Gasoline Burning Engine
SMAX	Special Operations Command Multipurpose Antenna, X-Band
SME	Significant Military Equipment
SME	Special Mission Equipment
SME	Subject Matter Expert
SMG	SOF Machine Gun
SMRS	Special Mission Radio System
SNSL	Standard Navy Stocking List
SO	Special Operations
SOAE	Special Operations Acquisition Executive
SOAL	Special Operations Acquisition and Logistics Center
SOALIS	SOAL Information System
SOAL-L/J4	SOAL Directorate of Logistics
SOAL-M	SOAL Director of Management
SOAL-T	SOAL Directorate of Advanced Technology
SOC	Special Operations Craft (Naval Systems)
SOC	Special Operations Command
SOC-R	Special Operations Craft-Riverine
SOCRATES	Special Operations Command, Research, Analysis and Threat Evaluation System
SOCREB	Special Operations Command Requirements Evaluation Board
SOCS	Special Operation Command Surgeon
SOEP	Special Operations Eye Protection
SOF	Special Operations Forces
SOFARS	Special Operations Federal acquisition regulation Supplement
SOFC	Solid Oxide Fuel Cell
SOFDK	SOF Demolition Kit
SOFIV	SOF Intelligence Vehicle
SOFLAM	SOF Laser Acquisition Marker
SOFLRD	SOF Laser Range Finder and Designator
SOFM	Special Operations Forces Comptroller (or Special Operations Center for Financial Management)
SOFPARS	SOF Planning and Rehearsal System
SOFSA	SOF Forces Support Activity
SOFTACS	SOF Tactical Assured Connectivity System
SOFTAPS	SOF Tactical Advanced Parachute System
SOFTAV	Special Operations Forces Total Asset Visibility
SOIG	Special Operations Inspector General
SOIS	Special Operations Intelligence System
SOJA	Special Operations Judge Advocate
SOJICC	Special Operations Joint Interagency Collaboration Center
SOKF	Special Operations Knowledge and Futures Center
SOLA	Special Operations Legislative Affairs

SOLL	Special Operations Low Level
SOMPE	Special Operations Mission Planning Environment
SOMROV	Special Operations Miniature Robotic Vehicle
SOMS-B	Special Operations Media Systems B
SONC	Special Operations Center for Networks and Communications
SOO	Statement of Objectives
SOP	Standard Operating Procedure
SOPGM	Standoff Precision Guided Munitions
SOPMOD	SOF Peculiar Modification
SOPMODM-4	SOF Peculiar Modification-M4 Carbine
SORR	Special Operations Force Structure, Requirements, Resources, and Strategic Assessments Center
SORR-J8-O	USSOCOM Operational Test and Evaluation Directorate
SORR-J8-R	USSOCOM Requirements Directorate
SOSE	Special Operations Safety Office
SOST	SCAR Ammo (munitions)
SOST	Special Operations Special Technology
SOTD	Special Operations Technology Development
SOTVS	Special Operations Tactical Video System
SOVAS HHI	Special Operations Visual Augmentation System Hand Held Imagers
SOW	Special Operations Wing
SOW	Statement of Work
SPC	Systems Production Certification
SPEAR	Senior Procurement Executive
SPEAR	SOF Personal Equipment Advanced Requirements
SPG	Strategic Planning Guidance
SPIKE	Shoulder Fired Smart Round
SPP	Strategic Planning Process
SPR	Special Purpose Rifle
SPTC	SOF Pre-Deployment Training Cycle
SQT	SEAL Qualification Training
SR	Surveillance and Reconnaissance
SRATS	Specialized Reconnaissance Assault Transport System
SRC	Special Reconnaissance Capabilities
SRC	Systems Readiness Center
SRCP	Supplemental Resource Collection Process
SRTC	Short Infrared Sensor
SSAVIE	SOF Sustainment Asset Visibility and Information Exchange
SSC	Surface Support Craft
SSE	Sensitive Site Exploitation
SSGN	Nuclear Guided Missile Submarine
SSL	System Safety Lead
SSO	Site Security Office
SSR	Sniper Support Rifle

SSRA	System Safety Risk Assessment
SSSAR	Solid State Synthetic Aperture Radar
SSSP	Steady State Security Posture
SSTG	SOF SIGINT Training Group
START	Special Threat Awareness receiver/Transmitter
STC	SOF Tactical Communication
STD	Swimmer Transport Device
STET	Strategic Technology Evaluation Team
STRB	Strategic Technology Review Board
SUAS	Small Unmanned Aerial System
SVEST	Suicide Vest
SVMMC	Small Versatile Maritime Mobility Craft
SW	Short-Wave
SWALIS	Special Warfare Automated Logistic Information System
SWAP	Size, Weight, and Power
SWCC	Special Warfare Combatant-craft Crewman
SWCS	Shallow Water Combat Submersible
SWIR	Short Wave Infrared Radar
SWIR	Short-Wave Infrared Sensor
SWORDS	Special Weapons Observation and Remote Direct-Action System
SYDET	Sympathetic Detonator
T&E	Test and Evaluation
TAC-A	Tactical Air Coordinator - Airborne
TACLAN	Tactical Local Area Network
TACTICOMP	Tactical Computer
TACTI-NET	Tactical Network
TAPO	Technology Application Program Office
TAT	To-Accompany Troops
TAV	Technical Availabilities
TAV	Total Asset Visibility
TAV	Total Asset Visibility
TAWS	Terrain Awareness and Warning System
TBI	Traumatic Brain Injury
TC	Transport Compartment (ASDS/JMMS)
TCCC	Tactical Combat Casualty Care
TCT	Time Critical Target
TCV	Transit Case Variant
TDA	Technical Direction Agent
TDE	Technology Development Exploitation
TDFD	Time Delay Firing Device
TDMA	Time Division Multiple Access
TDO	Technology Development Objective
TDO	Technology Development Objectives

TDS	Technology Development Strategy
TDS	Technology Development Strategy
TEI	Technology Exploitation Initiative
TEMP	Test and Evaluation Master Plan
TENCAP	Tactical Exploitation of National Capabilities (also NSSS)
TERESA	Tactical Edge and Response for Enhanced Situation Awareness
TES/TEZ	Target Engagement Zones (kill boxes)
TES/TEZ	Test and Evaluation Strategy
TF/TA	Terrain Following/Terrain Avoidance (Radar)
THDD	Tactical Handheld Digital Devices
TIC	Technology Infusion Cell
TIC	Troops in Contact
TILO	Technical Industrial Liaison Officer
TIPT	Test Integrated Product Team
TMR	Total Munitions Requirement
TO	Technical Order
TOR	Terms of Reference
TOS	Time on Station
TOT	Time on Target
TPE	Theater Provided Equipment
TPED	Tactical Processing, Exploitation, and Dissemination
TR	Technical Representative
TRL	Technology Readiness Level
TRR	Test Readiness Review
TRS	Tactical Radio System
TSOC	Theater Special Operations Command
TSOST	Theater Special Operations Surgical Teams
TSP	Time Sensitive Planning
TST	Time Sensitive Target
TST	Trans Sahara or Trans Saharan (as in JSOTF-TS)
TT&L	Tagging, Tracking & Locating
TTHM	Titanium Tilting Helmet Mount
TTP(s)	Tactics, Techniques, and Procedures (sometimes Targeting is included)
TUTC	Terrorism, Unconventional Threats, and Capabilities (Subcommittee)
U.S.C.	United States Code
UAGS	Unattended Ground Sensor
UARRSI	Universal Aerial Refueling Receptacle Slipway
UAS	Unmanned Aerial System
UAV	Unmanned Aerial Vehicle
UBA	Underwater Breathing Apparatus
UCA	Undefinitized Contract Action
UCMM	Undersea Clandestine Maritime Mobility
UCP	Unified Command Plan

UCP	Unsolicited Congressional Plus-Up
UCR	Unit Cost Report
UDA	Urgent Deployment Acquisition
UGV	Unmanned Ground Vehicle
UHF	Ultra High Frequency
UHMS	Undersea and Hyperbaric Medicine Society
UID	Unique Identification Device
UJTL	Universal Joint Task List
UK	United Kingdom
ULT	Unit Level Training
UMI	User Master Interface
US	United States
USASOC	U.S. Army Special Operations Command
USD (AT&L)	Under Secretary of Defense for Acquisition, Technology, and Logistics
USG	U.S. Government
USSOCOM	United States Special Operations Command
USTEDA	USSOCOM Table of Equipment and Distribution Allowances
UTC	Unit Type Code
UV	Unmanned Vehicles
UVT	Unmanned Vehicle Targeting
UW	Unconventional Warfare
V/STOL	Vertical/Short Take-Off and Landing
VAS	Victim Advocate
VAS	Visual Augmentation System
VB	Variable Ballast
VBIED	Vehicle-Borne Improvised Explosive Device
VBL	Visible Bright Lights
VBSS	Visit, Board, Search, and Seizure (Maritime)
VBT	Variable Ballast Tank
VCUAS	Vehicle-Craft Launched Unmanned Aerial System
VEO	Violent Extremist Organization
VESTA	Vibro-Electronic Signature Target Analysis
VHF	Very High Frequency
VSAT	Very Small Aperture Terminal
VSD	Variable Speed Drogue
VSM	Very Small Munitions
VSWMCM	Very Shallow Water Mine Countermeasures
VTC	Video Teleconferencing
WBS	Work Breakdown Structure
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

WOT	War on Terrorism
WRM	War Reserve Materials
WRT	With Regards To
WSADS	Wind Supported Air Delivery System
WTC	World Trade Center
XML	Extensible Mark-up Language
ZBT	Zero Base Transfer

Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Appropriation	FY 2010 (Base & OCO)	FY 2011 Base Request with CR Adj*	FY 2011 OCO Request with CR Adj*	FY 2011 Total Request with CR Adj*
Procurement, Defense-Wide	2,238,808	1,655,870	494,947	2,150,817
Total Defense-Wide	2,238,808	1,655,870	494,947	2,150,817

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15
* Reflects the FY 2011 President's Budget with an undistributed adjustment to match the Annualized Continuing Resolution funding level by appropriation.

Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Appropriation	FY 2011 Annualized CR Base**	FY 2011 Annualized CR OCO**	FY 2011 Annualized CR Total**
Procurement, Defense-Wide	1,565,917	369,997	1,935,914
Total Defense-Wide	1,565,917	369,997	1,935,914

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15
** Adjusts each budget line included in the FY 2011 President's Budget request proportionally to match the Annualized Continuing Resolution funding level for each appropriation. Quantities - TBD

Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Appropriation	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Procurement, Defense-Wide	1,797,564	353,813	2,151,377
Total Defense-Wide	1,797,564	353,813	2,151,377

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15

Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Organization: Procurement, Defense-Wide	FY 2010 (Base & OCO)	FY 2011 Base Request with CR Adj*	FY 2011 OCO Request with CR Adj*	FY 2011 Total Request with CR Adj*
Special Operations Command, SOCOM				
Total				

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15
* Reflects the FY 2011 President's Budget with an undistributed adjustment to match the Annualized Continuing Resolution funding level by appropriation.

Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Organization: Procurement, Defense-Wide	FY 2011 Annualized CR Base**	FY 2011 Annualized CR OCO**	FY 2011 Annualized CR Total**
Special Operations Command, SOCOM			
Total			

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15
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Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Organization: Procurement, Defense-Wide	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Special Operations Command, SOCOM		353,813	
Total		353,813	

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15

Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Appropriation: Procurement, Defense-Wide

Budget Activity	FY 2010 (Base & OCO)	FY 2011 Base Request with CR Adj*	FY 2011 OCO Request with CR Adj*	FY 2011 Total Request with CR Adj*
02. Special Operations Command	2,238,808	1,655,870	494,947	2,150,817
Total Procurement, Defense-Wide	2,238,808	1,655,870	494,947	2,150,817

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15
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Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Appropriation: Procurement, Defense-Wide

Budget Activity	FY 2011 Annualized CR Base**	FY 2011 Annualized CR OCO**	FY 2011 Annualized CR Total**
02. Special Operations Command	1,565,917	369,997	1,935,914
Total Procurement, Defense-Wide	1,565,917	369,997	1,935,914

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15
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Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Appropriation: Procurement, Defense-Wide

Budget Activity	FY 2012 Base	FY 2012 OCO	FY 2012 Total
02. Special Operations Command	1,797,564	353,813	2,151,377
Total Procurement, Defense-Wide	1,797,564	353,813	2,151,377

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15

Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2010 (Base & OCO) Quantity	FY 2010 (Base & OCO) Cost	FY 2011 Base Request with CR Adj* Quantity	FY 2011 Base Request with CR Adj* Cost	FY 2011 OCO Request with CR Adj* Quantity	FY 2011 OCO Request with CR Adj* Cost	FY 2011 Total Request with CR Adj* Quantity	FY 2011 Total Request with CR Adj* Cost	Sec
	Budget Activity 02: Special Operations Command										
	Aviation Programs										
49	Rotary Wing Upgrades And Sustainment			93,676		79,840		5,600		85,440	U
50	MH-47 Service Life Extension Program			54,742		107,934		4,222		112,156	U
51	MH-60 Modernization Program			127,619		179,375				179,375	U
52	Non-Standard Aviation		27	176,504	9	179,949			9	179,949	U
53	Tanker Recapitalization			29,017		19,996				19,996	U
54	U-28			5,510		404				404	U
55	MH-47 Chinook										U
56	RQ-11 Unmanned Aerial Vehicle					2,090				2,090	U
57	CV-22 Modification		15	115,382	5	124,035			5	124,035	U
58	MQ-1 Unmanned Aerial Vehicle			8,896		1,948		8,202		10,150	U
59	MQ-9 Unmanned Aerial Vehicle			12,632		1,965		4,368		6,333	U
60	RQ-7 Unmanned Aerial Vehicle										U
61	STUASL0		27	12,185		12,148				12,148	U
62	AC/MC-130J										U
63	C-130 Modifications			242,753		22,500				22,500	U
64	Aircraft Support			777		489				489	U

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15
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Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2011 Annualized CR Base** Quantity	FY 2011 Annualized CR Base** Cost	FY 2011 Annualized CR OCO** Quantity	FY 2011 Annualized CR OCO** Cost	FY 2011 Annualized CR Total** Quantity	FY 2011 Annualized CR Total** Cost	Sec
	Budget Activity 02: Special Operations Command								
	Aviation Programs								
49	Rotary Wing Upgrades And Sustainment			75,503		4,186		79,689	U
50	MH-47 Service Life Extension Program			102,071		3,156		105,227	U
51	MH-60 Modernization Program			169,631				169,631	U
52	Non-Standard Aviation			170,174				170,174	U
53	Tanker Recapitalization			18,910				18,910	U
54	U-28			382				382	U
55	MH-47 Chinook								U
56	RQ-11 Unmanned Aerial Vehicle			1,976				1,976	U
57	CV-22 Modification			117,297				117,297	U
58	MQ-1 Unmanned Aerial Vehicle			1,842		6,131		7,973	U
59	MQ-9 Unmanned Aerial Vehicle			1,858		3,265		5,123	U
60	RQ-7 Unmanned Aerial Vehicle								U
61	STUASL0			11,488				11,488	U
62	AC/MC-130J								U
63	C-130 Modifications			21,278				21,278	U
64	Aircraft Support			462				462	U

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15
** Adjusts each budget line included in the FY 2011 President's Budget request proportionally to match the Annualized Continuing Resolution funding level for each appropriation. Quantities - TBD

Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2012 Base Quantity	FY 2012 Base Cost	FY 2012 OCO Quantity	FY 2012 OCO Cost	FY 2012 Total Quantity	FY 2012 Total Cost	Sec
	Budget Activity 02: Special Operations Command								
	Aviation Programs								
49	Rotary Wing Upgrades And Sustainment			41,411				41,411	U
50	MH-47 Service Life Extension Program				2	40,500	2	40,500	U
51	MH-60 Modernization Program			171,456	1	7,800	1	179,256	U
52	Non-Standard Aviation		15	272,623	9	8,500	24	281,123	U
53	Tanker Recapitalization								U
54	U-28			5,100				5,100	U
55	MH-47 Chinook			142,783				142,783	U
56	RQ-11 Unmanned Aerial Vehicle			486				486	U
57	CV-22 Modification		27	118,002	1	15,000	28	133,002	U
58	MQ-1 Unmanned Aerial Vehicle			3,025				3,025	U
59	MQ-9 Unmanned Aerial Vehicle			3,024				3,024	U
60	RQ-7 Unmanned Aerial Vehicle			450				450	U
61	STUASL0			12,276				12,276	U
62	AC/MC-130J			74,891				74,891	U
63	C-130 Modifications			19,665	5	4,800	5	24,465	U
64	Aircraft Support			6,207				6,207	U

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15

Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2010 (Base & OCO) Quantity	FY 2010 (Base & OCO) Cost	FY 2011 Base Request with CR Adj* Quantity	FY 2011 Base Request with CR Adj* Cost	FY 2011 OCO Request with CR Adj* Quantity	FY 2011 OCO Request with CR Adj* Cost	FY 2011 Total Request with CR Adj* Quantity	FY 2011 Total Request with CR Adj* Cost	Sec
	Shipbuilding										
65	Underwater Systems										U
66	Seal Delivery Vehicle			1,458		823				823	U
	Ammunition Programs										
67	Ordnance Replenishment			105,554		79,608		75,878		155,486	U
68	Ordnance Acquisition			37,383		24,215		49,776		73,991	U
	Other Procurement Programs										
69	Communications Equipment And Electronics			58,564		58,390		9,417		67,807	U
70	Intelligence Systems			109,041		75,892		149,406		225,298	U
71	Small Arms And Weapons			42,604		30,094				30,094	U
72	Distributed Common Ground/Surface Systems					5,225				5,225	U
74	Maritime Equipment Modifications			789		206				206	U
76	Combatant Craft Systems			11,122		11,706				11,706	U
77	Spares And Repair Parts			1,604		977				977	U
78	Tactical Vehicles			374,594		30,965		36,262		67,227	U
79	Mission Training And Preparation Systems			20,801		28,354				28,354	U
80	Mission Training And Preparation Systems			1,800							U
81	Combat Mission Requirements			26,693		20,000		30,000		50,000	U
82	MILCON Collateral Equipment			6,226		102,556				102,556	U
84	Classified Programs			1							U

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15
* Reflects the FY 2011 President's Budget with an undistributed adjustment to match the Annualized Continuing Resolution funding level by appropriation.

Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2011 Annualized CR Base** Quantity	FY 2011 Annualized CR Base** Cost	FY 2011 Annualized CR OCO** Quantity	FY 2011 Annualized CR OCO** Cost	FY 2011 Annualized CR Total** Quantity	FY 2011 Annualized CR Total** Cost	Sec
	Shipbuilding								
65	Underwater Systems								U
66	Seal Delivery Vehicle			778				778	U
	Ammunition Programs								
67	Ordnance Replenishment			75,283		56,723		132,006	U
68	Ordnance Acquisition			22,900		37,210		60,110	U
	Other Procurement Programs								
69	Communications Equipment And Electronics			55,218		7,040		62,258	U
70	Intelligence Systems			71,769		111,688		183,457	U
71	Small Arms And Weapons			28,459				28,459	U
72	Distributed Common Ground/Surface Systems			4,941				4,941	U
74	Maritime Equipment Modifications			195				195	U
76	Combatant Craft Systems			11,070				11,070	U
77	Spares And Repair Parts			924				924	U
78	Tactical Vehicles			29,283		27,108		56,391	U
79	Mission Training And Preparation Systems			26,814				26,814	U
80	Mission Training And Preparation Systems								U
81	Combat Mission Requirements			18,914		22,427		41,341	U
82	MILCON Collateral Equipment			96,985				96,985	U
84	Classified Programs								U

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15
** Adjusts each budget line included in the FY 2011 President's Budget request proportionally to match the Annualized Continuing Resolution funding level for each appropriation. Quantities - TBD

Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2012 Base Quantity	FY 2012 Base Cost	FY 2012 OCO Quantity	FY 2012 OCO Cost	FY 2012 Total Quantity	FY 2012 Total Cost	Sec
	Shipbuilding								
65	Underwater Systems			6,999				6,999	U
66	Seal Delivery Vehicle								U
	Ammunition Programs								
67	Ordnance Replenishment			116,009	8682966	71,659	8682966	187,668	U
68	Ordnance Acquisition			28,281	235	25,400	235	53,681	U
	Other Procurement Programs								
69	Communications Equipment And Electronics			87,489	5	2,325	5	89,814	U
70	Intelligence Systems			74,702	149	43,558	149	118,260	U
71	Small Arms And Weapons			9,196	2522	6,488	2522	15,684	U
72	Distributed Common Ground/Surface Systems			15,621	1	2,601	1	18,222	U
74	Maritime Equipment Modifications								U
76	Combatant Craft Systems			6,899				6,899	U
77	Spares And Repair Parts			594				594	U
78	Tactical Vehicles			33,915	88	15,818	88	49,733	U
79	Mission Training And Preparation Systems								U
80	Mission Training And Preparation Systems			46,242				46,242	U
81	Combat Mission Requirements			50,000				50,000	U
82	MILCON Collateral Equipment			18,723				18,723	U
84	Classified Programs								U

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15

Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2010 (Base & OCO) Quantity	FY 2010 (Base & OCO) Cost	FY 2011 Base Request with CR Adj* Quantity	FY 2011 Base Request with CR Adj* Cost	FY 2011 OCO Request with CR Adj* Quantity	FY 2011 OCO Request with CR Adj* Cost	FY 2011 Total Request with CR Adj* Quantity	FY 2011 Total Request with CR Adj* Cost	Sec
85	Automation Systems			49,984		52,353		1,291		53,644	U
86	Global Video Surveillance Activities			10,513		9,714				9,714	U
87	Operational Enhancements Intelligence			44,018		30,900		25,000		55,900	U
88	Soldier Protection and Survival Systems			548		221				221	U
89	Visual Augmentation Lasers and Sensor Systems			35,181		18,626		3,200		21,826	U
90	Tactical Radio Systems			57,707		35,234		3,985		39,219	U
91	Maritime Equipment			2,768		804				804	U
92	Drug Interdiction			3,080							U
93	Miscellaneous Equipment			9,558		7,774		5,530		13,304	U
94	Operational Enhancements			304,725		269,182		79,869		349,051	U
95	Military Information Support Operations			34,358		25,266				25,266	U
999	Classified Programs			8,441		4,112		2,941		7,053	U
Total Special Operations Command				2,238,808		1,655,870		494,947		2,150,817	
Total Procurement, Defense-Wide				2,238,808		1,655,870		494,947		2,150,817	

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15
* Reflects the FY 2011 President's Budget with an undistributed adjustment to match the Annualized Continuing Resolution funding level by appropriation.

Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2011 Annualized CR Base** Quantity	FY 2011 Annualized CR Base** Cost	FY 2011 Annualized CR OCO** Quantity	FY 2011 Annualized CR OCO** Cost	FY 2011 Annualized CR Total** Quantity	FY 2011 Annualized CR Total** Cost	Sec
85	Automation Systems			49,509		965		50,474	U
86	Global Video Surveillance Activities			9,186				9,186	U
87	Operational Enhancements Intelligence			29,221		18,689		47,910	U
88	Soldier Protection and Survival Systems			209				209	U
89	Visual Augmentation Lasers and Sensor Systems			17,614		2,392		20,006	U
90	Tactical Radio Systems			33,320		2,979		36,299	U
91	Maritime Equipment			760				760	U
92	Drug Interdiction								U
93	Miscellaneous Equipment			7,352		4,134		11,486	U
94	Operational Enhancements			254,559		59,705		314,264	U
95	Military Information Support Operations			23,893				23,893	U
999	Classified Programs			3,889		2,199		6,088	U
Total Special Operations Command				1,565,917		369,997		1,935,914	
Total Procurement, Defense-Wide				1,565,917		369,997		1,935,914	

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15
** Adjusts each budget line included in the FY 2011 President's Budget request proportionally to match the Annualized Continuing Resolution funding level for each appropriation. Quantities - TBD

Defense-Wide
FY 2012 President's Budget
Exhibit P-1 FY 2012 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2011

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2012 Base Quantity	FY 2012 Base Cost	FY 2012 OCO Quantity	FY 2012 OCO Cost	FY 2012 Total Quantity	FY 2012 Total Cost	Sec
85	Automation Systems			51,232	15	13,387	15	64,619	U
86	Global Video Surveillance Activities			7,782				7,782	U
87	Operational Enhancements Intelligence			22,960	4	5,800	4	28,760	U
88	Soldier Protection and Survival Systems			362	1103	34,900	1103	35,262	U
89	Visual Augmentation Lasers and Sensor Systems			15,758	578	3,531	578	19,289	U
90	Tactical Radio Systems			76,459	18	2,894	18	79,353	U
91	Maritime Equipment								U
92	Drug Interdiction								U
93	Miscellaneous Equipment			1,895	30	7,220	30	9,115	U
94	Operational Enhancements			246,893	50	41,632	50	288,525	U
95	Military Information Support Operations			4,142				4,142	U
999	Classified Programs			4,012				4,012	U
Total Special Operations Command				1,797,564		353,813		2,151,377	
Total Procurement, Defense-Wide				1,797,564		353,813		2,151,377	

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of February 1, 2011 at 09:03:15

PROCUREMENT PROGRAM - COMPARISON REPORT

Appropriation: Procurement, Defense -Wide | Budget Activity 2 | FEBRUARY 2011

Millions of Dollars

Line No.	Item Nomenclature	Submit	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
49	Rotary Wing Upgrades and Sustainment	12PB	93.676	79.840	41.411	86.803	93.132	140.900	160.514
49	Rotary Wing Upgrades and Sustainment	11PB	90.656	79.840	82.562	104.805	104.796	107.595	0.000
49	Rotary Wing Upgrades and Sustainment	Delta	3.020	0.000	-41.151	-18.002	-11.664	33.305	160.514
50	MH-47 Service Life Extension Program	12PB	54.742	107.934	0.000	0.000	0.000	0.000	0.000
50	MH-47 Service Life Extension Program	11PB	28.769	107.934	142.783	133.349	58.865	0.000	0.000
50	MH-47 Service Life Extension Program	Delta	25.973	0.000	-142.783	-133.349	-58.865	0.000	0.000
51	MH-60 Modernization Program	12PB	127.619	179.375	171.456	100.123	20.133	1.468	5.522
51	MH-60 Modernization Program	11PB	146.367	179.375	194.238	89.635	20.174	1.471	0.000
51	MH-60 Modernization Program	Delta	-18.748	0.000	-22.782	10.488	-0.041	-0.003	5.522
52	Non-Standard Aviation	12PB	176.504	179.949	272.623	110.985	0.000	0.000	0.000
52	Non-Standard Aviation	11PB	177.004	179.949	283.704	111.207	0.000	0.000	0.000
52	Non-Standard Aviation	Delta	-0.500	0.000	-11.081	-0.222	0.000	0.000	0.000
53	Tanker Recapitalization	12PB	29.017	19.996	0.000	0.000	0.000	0.000	0.000
53	Tanker Recapitalization	11PB	34.095	19.996	62.542	75.890	80.651	104.429	0.000
53	Tanker Recapitalization	Delta	-5.078	0.000	-62.542	-75.890	-80.651	-104.429	0.000
54	U-28	12PB	5.510	0.404	5.100	7.435	4.270	4.450	8.345
54	U-28	11PB	5.510	0.404	0.813	0.868	0.883	0.898	0.000
54	U-28	Delta	0.000	0.000	4.287	6.567	3.387	3.552	8.345
	Aviation Avionics	12PB	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Aviation Avionics	11PB	0.000	0.000	0.000	13.069	12.106	54.480	0.000
	Aviation Avionics	Delta	0.000	0.000	0.000	-13.069	-12.106	-54.480	0.000
55	MH-47 Chinook	12PB	0.000	0.000	142.783	133.084	58.747	0.000	0.000
55	MH-47 Chinook	11PB	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55	MH-47 Chinook	Delta	0.000	0.000	142.783	133.084	58.747	0.000	0.000
56	RQ-11 Unnmanned Aerial Vehicle	12PB	0.000	2.090	0.486	12.267	1.148	2.120	2.156
56	RQ-11 Unnmanned Aerial Vehicle	11PB	0.000	2.090	2.087	2.085	2.084	2.124	0.000
56	RQ-11 Unnmanned Aerial Vehicle	Delta	0.000	0.000	-1.601	10.182	-0.936	-0.004	2.156
57	CV-22 Modification	12PB	115.382	124.035	118.002	121.711	88.981	11.285	6.402
57	CV-22 Modification	11PB	114.200	124.035	108.002	114.185	84.158	6.308	0.000
57	CV-22 Modification	Delta	1.182	0.000	10.000	7.526	4.823	4.977	6.402

Line No.	Item Nomenclature	Submit	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
58	MQ-1 Unnmanned Aerial Vehicle	12PB	8.896	1.948	3.025	3.913	3.732	4.236	5.238
58	MQ-1 Unnmanned Aerial Vehicle	11PB	10.896	1.948	2.017	2.036	2.214	2.396	0.000
58	MQ-1 Unnmanned Aerial Vehicle	Delta	-2.000	0.000	1.008	1.877	1.518	1.840	5.238
59	MQ-9 Unnmanned Aerial Vehicle	12PB	12.632	1.965	3.024	3.902	4.683	4.246	5.250
59	MQ-9 Unnmanned Aerial Vehicle	11PB	12.632	1.965	2.011	2.026	2.196	2.407	0.000
59	MQ-9 Unnmanned Aerial Vehicle	Delta	0.000	0.000	1.013	1.876	2.487	1.839	5.250
60	RQ-7 Unnmanned Aerial Vehicle	12PB	0.000	0.000	0.450	0.460	0.880	0.898	0.958
60	RQ-7 Unnmanned Aerial Vehicle	11PB	0.000	0.000	0.000	7.629	15.029	6.771	0.000
60	RQ-7 Unnmanned Aerial Vehicle	Delta	0.000	0.000	0.450	-7.169	-14.149	-5.873	0.958
61	Small Tactical Unmanned Aerial System	12PB	12.185	12.148	12.276	12.782	12.999	13.220	13.444
61	Small Tactical Unmanned Aerial System	11PB	24.185	12.148	12.470	12.808	13.025	13.246	0.000
61	Small Tactical Unmanned Aerial System	Delta	-12.000	0.000	-0.194	-0.026	-0.026	-0.026	13.444
	Precision Strike Package	12PB	0.000	0.000	0.000	97.194	191.928	228.463	309.826
	Precision Strike Package	11PB	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Precision Strike Package	Delta	0.000	0.000	0.000	97.194	191.928	228.463	309.826
62	AC/MC-130J	12PB	0.000	0.000	74.891	50.226	55.101	64.556	3.370
62	AC/MC-130J	11PB	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62	AC/MC-130J	Delta	0.000	0.000	74.891	50.226	55.101	64.556	3.370
63	C-130 Modifications	12PB	242.753	22.500	19.665	16.723	13.061	40.836	41.555
63	C-130 Modifications	11PB	78.966	22.500	65.367	149.227	221.067	250.498	0.000
63	C-130 Modifications	Delta	163.787	0.000	-45.702	-132.504	-208.006	-209.662	41.555
64	Aircraft Support	12PB	0.777	0.489	6.207	5.247	0.006	0.006	0.006
64	Aircraft Support	11PB	0.970	0.489	0.486	0.484	0.481	0.484	0.000
64	Aircraft Support	Delta	-0.193	0.000	5.721	4.763	-0.475	-0.478	0.006
	Combat Submersibles	12PB	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Combat Submersibles	11PB	0.000	0.000	1.492	27.094	25.228	25.568	0.000
	Combat Submersibles	Delta	0.000	0.000	-1.492	-27.094	-25.228	-25.568	0.000
65	Underwater Systems	12PB	0.000	0.000	6.999	40.333	98.589	114.327	164.474
65	Underwater Systems	11PB	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	Underwater Systems	Delta	0.000	0.000	6.999	40.333	98.589	114.327	164.474

Line No.	Item Nomenclature	Submit	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
66	SEAL Delivery Vehicle	12PB	1.458	0.823	0.000	0.000	0.000	0.000	0.000
66	SEAL Delivery Vehicle	11PB	1.458	0.823	0.000	0.000	0.000	0.000	0.000
66	SEAL Delivery Vehicle	Delta	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Joint Mulit-Mission Submersible	12PB	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Joint Mulit-Mission Submersible	11PB	0.000	0.000	102.990	151.917	207.302	79.273	0.000
	Joint Mulit-Mission Submersible	Delta	0.000	0.000	-102.990	-151.917	-207.302	-79.273	0.000
67	Ordnance Replenishment	12PB	105.554	79.608	116.009	109.192	120.733	142.154	144.062
67	Ordnance Replenishment	11PB	109.027	79.608	73.685	117.993	117.276	161.906	0.000
67	Ordnance Replenishment	Delta	-3.473	0.000	42.324	-8.801	3.457	-19.752	144.062
68	Ordnance Acquisition	12PB	37.383	24.215	28.281	41.649	43.465	51.538	52.524
68	Ordnance Acquisition	11PB	44.268	24.215	25.503	38.101	39.943	47.491	0.000
68	Ordnance Acquisition	Delta	-6.885	0.000	2.778	3.548	3.522	4.047	52.524
69	Communications Equipment and Electronics	12PB	58.564	58.390	87.489	102.104	99.767	88.061	101.144
69	Communications Equipment and Electronics	11PB	56.910	58.390	79.935	99.202	79.884	74.911	0.000
69	Communications Equipment and Electronics	Delta	1.654	0.000	7.554	2.902	19.883	13.150	101.144
70	Intelligence Systems	12PB	109.041	75.892	74.702	71.169	75.143	81.513	80.964
70	Intelligence Systems	11PB	95.846	75.892	68.656	66.134	64.920	65.688	0.000
70	Intelligence Systems	Delta	13.195	0.000	6.046	5.035	10.223	15.825	80.964
71	Small Arms and Weapons	12PB	42.604	30.094	9.196	16.005	8.829	6.982	8.397
71	Small Arms and Weapons	11PB	45.307	30.094	11.291	20.990	15.094	14.397	0.000
71	Small Arms and Weapons	Delta	-2.703	0.000	-2.095	-4.985	-6.265	-7.415	8.397
72	Distributed Common Ground/Surface System	12PB	0.000	5.225	15.621	13.006	17.271	11.420	9.502
72	Distributed Common Ground/Surface System	11PB	0.000	5.225	3.541	0.000	9.155	5.586	0.000
72	Distributed Common Ground/Surface System	Delta	0.000	0.000	12.080	13.006	8.116	5.834	9.502
74	Maritime Equipment Modifications	12PB	0.789	0.206	0.000	0.000	0.000	0.000	0.000
74	Maritime Equipment Modifications	11PB	0.789	0.206	0.194	0.201	0.204	0.209	0.000
74	Maritime Equipment Modifications	Delta	0.000	0.000	-0.194	-0.201	-0.204	-0.209	0.000
76	Combatant Craft Systems	12PB	11.122	11.706	6.899	46.220	65.141	7.267	7.390
76	Combatant Craft Systems	11PB	11.122	11.706	20.757	23.497	26.519	27.635	0.000
76	Combatant Craft Systems	Delta	0.000	0.000	-13.858	22.723	38.622	-20.368	7.390

Line No.	Item Nomenclature	Submit	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
77	Spares and Repair Parts	12PB	1.604	0.977	0.594	0.592	0.591	0.590	0.600
77	Spares and Repair Parts	11PB	2.004	0.977	0.971	0.966	0.960	0.969	0.000
77	Spares and Repair Parts	Delta	-0.400	0.000	-0.377	-0.374	-0.369	-0.379	0.600
78	Tactical Vehicles	12PB	374.594	30.965	33.915	35.972	32.136	42.047	43.103
78	Tactical Vehicles	11PB	26.226	30.965	28.837	43.858	44.742	59.034	0.000
78	Tactical Vehicles	Delta	348.368	0.000	5.078	-7.886	-12.606	-16.987	43.103
80	Mission Training and Preparations Systems	12PB	22.601	28.354	46.242	38.452	25.040	18.950	16.051
80	Mission Training and Preparations Systems	11PB	20.801	28.354	33.777	16.882	18.083	17.224	0.000
80	Mission Training and Preparations Systems	Delta	1.800	0.000	12.465	21.570	6.957	1.726	16.051
81	Combat Mission Requirements	12PB	26.693	20.000	50.000	20.000	20.000	19.378	20.000
81	Combat Mission Requirements	11PB	19.938	20.000	20.269	24.885	24.687	24.265	0.000
81	Combat Mission Requirements	Delta	6.755	0.000	29.731	-4.885	-4.687	-4.887	20.000
82	MILCON Collateral Equipment	12PB	6.226	102.556	18.723	14.629	17.671	5.671	9.960
82	MILCON Collateral Equipment	11PB	6.814	102.556	18.116	5.274	8.052	10.832	0.000
82	MILCON Collateral Equipment	Delta	-0.588	0.000	0.607	9.355	9.619	-5.161	9.960
85	Automation Systems	12PB	49.984	52.353	51.232	53.830	50.115	53.144	46.606
85	Automation Systems	11PB	54.966	52.353	54.090	54.467	54.366	56.681	0.000
85	Automation Systems	Delta	-4.982	0.000	-2.858	-0.637	-4.251	-3.537	46.606
86	Global Video Surveillance Activities[1]	12PB	10.513	9.714	7.782	8.583	8.505	8.414	8.555
86	Global Video Surveillance Activities[1]	11PB	12.363	9.714	9.668	10.624	10.588	10.540	0.000
86	Global Video Surveillance Activities[1]	Delta	-1.850	0.000	-1.886	-2.041	-2.083	-2.126	8.555
87	Operational Enhancements Intelligence[1]	12PB	44.018	30.900	22.960	29.696	30.724	34.501	36.586
87	Operational Enhancements Intelligence[1]	11PB	36.990	30.900	28.652	28.546	27.584	29.534	0.000
87	Operational Enhancements Intelligence[1]	Delta	7.028	0.000	-5.692	1.150	3.140	4.967	36.586
88	Soldier Protection and Survival Systems	12PB	0.548	0.221	0.362	11.627	12.140	12.636	12.850
88	Soldier Protection and Survival Systems	11PB	0.548	0.221	2.018	7.278	1.791	0.487	0.000
88	Soldier Protection and Survival Systems	Delta	0.000	0.000	-1.656	4.349	10.349	12.149	12.850
89	Visual Augmentation, Lasers and Sensor Systems	12PB	35.181	18.626	15.758	15.191	10.337	7.282	8.116
89	Visual Augmentation, Lasers and Sensor Systems	11PB	39.220	18.626	14.567	9.679	6.566	7.047	0.000
89	Visual Augmentation, Lasers and Sensor Systems	Delta	-4.039	0.000	1.191	5.512	3.771	0.235	8.116

Line No.	Item Nomenclature	Submit	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
90	Tactical Radio Systems	12PB	57.707	35.234	76.459	72.668	65.619	56.472	58.759
90	Tactical Radio Systems	11PB	62.306	35.234	71.915	74.814	70.779	62.808	0.000
90	Tactical Radio Systems	Delta	-4.599	0.000	4.544	-2.146	-5.160	-6.336	58.759
91	Maritime Equipment	12PB	2.768	0.804	0.000	0.000	0.000	0.000	0.000
91	Maritime Equipment	11PB	2.768	0.804	1.060	1.057	1.075	1.093	0.000
91	Maritime Equipment	Delta	0.000	0.000	-1.060	-1.057	-1.075	-1.093	0.000
92	Drug Interdiction	12PB	3.080	0.000	0.000	0.000	0.000	0.000	0.000
92	Drug Interdiction	11PB	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92	Drug Interdiction	Delta	3.080	0.000	0.000	0.000	0.000	0.000	0.000
93	Miscellaneous Equipment	12PB	9.558	7.774	1.895	5.309	7.419	5.513	3.759
93	Miscellaneous Equipment	11PB	9.148	7.774	8.748	8.645	9.780	10.561	0.000
93	Miscellaneous Equipment	Delta	0.410	0.000	-6.853	-3.336	-2.361	-5.048	3.759
94	Operational Enhancements [1]	12PB	304.725	269.182	246.893	233.832	301.351	276.704	272.249
94	Operational Enhancements [1]	11PB	297.512	269.182	266.338	273.015	304.615	293.634	0.000
94	Operational Enhancements [1]	Delta	7.213	0.000	-19.445	-39.183	-3.264	-16.930	272.249
95	Military Information Support Operations	12PB	34.358	25.266	4.142	1.195	1.010	1.072	1.134
95	Military Information Support Operations	11PB	42.948	25.266	4.809	1.367	2.016	1.909	0.000
95	Military Information Support Operations	Delta	-8.590	0.000	-0.667	-0.172	-1.006	-0.837	1.134
999	Project F[1]	12PB	8.442	8.442	4.012	4.032	4.130	4.160	4.231
999	Project F[1]	11PB	8.442	4.112	4.019	4.043	4.141	4.171	0.000
999	Project F[1]	Delta	0.000	4.330	-0.007	-0.011	-0.011	-0.011	4.231
[1] - Details are classified and will be provided under separate cover.									
		12PB	**2,238.808**	**1,660.200**	**1,797.564**	**1,748.141**	**1,664.527**	**1,566.480**	**1,673.602**
	TOTAL PROCUREMENT	**11PB**	**1,731.971**	**1,655.870**	**1,914.980**	**1,929.832**	**1,793.079**	**1,646.560**	**0.000**
		Delta	**506.837**	**4.330**	**-117.416**	**-181.691**	**-128.552**	**-80.080**	**1,673.602**

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EXHIBIT P-1R Procurement Program - Reserve Components

UNITED STATES SPEICAL OPERATIONS COMMAND
($ in Millions)

Appropriation: **Procurement**

Budget Activity: 02

Item Nomenclauture		FY 2010 Qty	FY 2010 Cost	FY 2011 Qty	FY 2011 Cost	FY 2012 Qty	FY 2012 Cost	FY 2013 Qty	FY 2013 Cost	FY 2014 Qty	FY 2014 Cost	FY 2015 Qty	FY 2015 Cost	FY 2016 Qty	FY 2016 Cost
Military Information Support Operations (MISO)															
Commando Solo (CSOLO)	Reserve														
	National Guard	0	6,955	0	1,562	0	0	0	0	0	0	0	0	0	0
	Total:	**0**	**6,955**	**0**	**1,562**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Notes:
1. Commando Solo includes modifications and spares with this aircraft operated by the 193rd ANG.

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BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE ROTARY WING UPGRADES AND SUSTAINMENT

	Prior Years	FY 2010	FY 2011 Baseline	FY 2011 OCO	FY 2011 Total Request	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY										
COST (In Millions $)	2,029.249	93.676	79.840	5.600	85.440	41.411	86.803	93.132	140.900	160.514

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: Mission Processor Upgrades (MPU), Next Generation Forward Looking Infrared Radar (NGFLIR), Suite of Integrated Radio Frequency Countermeasures (SIRFC), Aircraft Occupant Ballistic Protection System (AOBPS), MH-60 Low Cost Modifications, MH-47 Block Upgrades, MH-47 Low Cost Modifications, A/MH-6 Low Cost Modifications, A/MH-6 Lightweight Hellfire Launcher, A/MH-6M Potential Replacement, A/MH-6 Improved Seat System, Reduced Optical Signature Emission Solution (ROSES), Hostile Fire Indicator System (HFIS), Secure Real Time Video (SRTV), Rotary Wing Weapons, Engine Automatic Re-Light (EARL), A/MH-6 Block 3.0 Upgrade, and Silent Knight Terrain Following/Terrain Avoidance (TF/TA) Radar. The associated RDT&E funds are in Program Element 1160482BB.

1. SIRFC is a fully integrated, modular and adaptable suite of active aircraft survivability equipment that increases combat effectiveness and potential for mission accomplishment for ARSOA aircraft. 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.

FY 2012 PROGRAM JUSTIFICATION: Procures two Line Replaceable Unit-1 (LRU-1) receiver processors, one LRU-2 high powered remote transmitter, and associated fielding support for the MH-60M fleet. See the P-3a exhibit for details.

2. HFIS detects anti-aircraft artillery, rocket propelled grenade launchers and other small arms fire. By providing detection and angle of arrival information, the HFIS will allow the aircrew to perform evasive and counter-fire actions significantly increasing the aircraft's probability of survival.

FY 2012 PROGRAM JUSTIFICATION: Procures and installs 38 HFIS systems and 4 spares for the MH-47 and MH-60 fleet. See the P-3a exhibit for details.

3. The MPU replaces the current Mission Processor (to include the Multi-Function Displays and Control Display Units) within all Army Special Operations Aviation (ARSOA) aircraft. This upgrade increases software processor performance margins and enables the Operational Flight Program (OFP) to accommodate planned future updates. Future updates include: the FAA Global Air Traffic Management (GATM), Situational Awareness For Safe Aircraft Recovery (SAFEAIR) and Cognitive Decision Aiding System (CDAS). SAFAIR uses inertial navigation systems and onboard data to generate a 3-dimensional representation of the Earth's surface to increase battle space awareness. CDAS uses information on threat, route, weather, terrain, and friendly forces and instantaneously adjusts an aircraft's route to and from the objective. This program also includes upgrades to the Common Avionics Architecture System and the Cockpit Management System, which are the software backbone to the open systems architecture OFPs, and upgrades the current embedded Global Positioning System (GPS)/Inertial Navigation System with an all-in-view GPS card in accordance with Global Area Navigation System/Global Airspace Traffic Management requirements.

FY 2012 PROGRAM JUSTIFICATION: Procures and installs 39 Mission Processor Upgrades, and 7 A/MH-6M B spares for ARSOA aircraft. See the P- 3a exhibit for details.

4. SRTV provides full motion video from ground or air assets to enable real time threat assessment and to maximize mission effectiveness and survivability. SRTV will promote mission success and an economy of force by ensuring that the assault plan is viable and that pre-determined ordnance is sufficient to overwhelm the enemy.

FY 2012 PROGRAM JUSTIFICATION: Procures and installs 18 B-kits and integrated logistics support. See the P-3a exhibit for details.

5. The A/MH-6 Improved Seat System program will procure and install an integrated ballistic tolerant, ergonomic and crashworthy crew seat system for the A/MH-6M fleet. The current seat utilizes 1960's technology. The Center for Army Lessons Learned reported that over a three year period, 50 Special Operations Aviation Regiment (SOAR) pilots suffered serious back injuries and were grounded due to hard landings in the A/MH-6 aircraft.

FY 2012 PROGRAM JUSTIFICATION: Procures 26 Improved Seat Systems and 5 spares. See the P-3a exhibit for details.

6. MH-47 Low Cost Modifications include Army ECP modifications due to the unique configuration of SOF aircraft, SOF-peculiar ECPs, and minor modifications to SOF-unique equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission enhancements.

FY 2012 PROGRAM JUSTIFICATION: Procures MH-47 Low Cost Modifications.

7. The NGFLIR program procures a laser rangefinder and designator to the AN/ZSQ-3. The program also procures and installs the FLIR Pre-Planned Product Improvement (P3I) drop-in, advanced, dual-color (long and mid-wave) IR detector upgrade for the AN/ZSQ-2. NGFLIR will be installed on the light and heavy assault platforms within the ARSOA fleet.

FY 2012 PROGRAM JUSTIFICATION: Procures Pre-Planned Product Improvements for the "next generation" FLIR for the ARSOA fleet.

8. A/MH-6M Low Cost Modifications include modifications to the A/MH-6 Mission Enhanced Little Bird (MELB), component miniaturizations, SOF-peculiar ECPs, and minor modifications to SOF-unique equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission enhancements.

FY 2012 PROGRAM JUSTIFICATION: Procures A/MH-6M Low Cost Modifications.

9. AOBPS replaces the current steel/kevlar and ultra-high molecular weight ballistic-tolerant materials with a lighter weight resistant material to accomplish the ARSOA mission. The light weight non-transparent armor will increase protection and combat mission loads in high and hot

environments. The AOBPS will protect aircrews from a variety of small arms fire while allowing pilots and crewmembers to maintain current fields of view.

FY 2012 PROGRAM JUSTIFICATION: Procures six ship sets and installs of the AOBPS.

10. MH-47 Block I Upgrades incorporates new and maturing technologies into MH-47 aircraft. This program funds increased capabilities, addresses obsolescence issues, and incorporates emerging technologies into the MH-47G fleet. See the P-3a exhibit for details.

FY 2012 PROGRAM JUSTIFICATION: Procures systems engineering and Government Furnished Equipment.

11. The A/MH-6M Lightweight Hellfire Launcher program replaces the current lightweight hellfire launcher and compact stores management unit to control all A/MH-6M weapons systems. It resolves the issues associated with the aging and declining capability of the A/MH-6M Armament System Processor Panel, Rocket Interface Unit, and Lightweight Remote Hellfire Electronics Assembly with the integration of a single advanced weapon stores management system electronic controller.

12. Rotary Wing Weapons modifications modernize 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 was increased by an FY 2007 congressional add and FY 2007 Supplemental funds.

13. The Silent Knight TF/TA Radar program will procure and install the AN/APQ-187, a SOF-Common TF/TA Multi-Mode Radar that will provide a capability to detect advanced passive detection threat while maintaining ability to fly safe TF. The AN/APQ-187 is characterized by a Low Probability of Intercept, Low Probability of Detection (LPI/LPD) capability. The radar will be installed on both the MH-47G and MH-60M. The new radar will address obsolescence issues for today's legacy radar system, the AN/APR-174B.

14. ROSES reduces aircraft illumination against advanced infrared (IR) guided Surface-to-Air Missile (SAM) systems, which play a large role in modern day air warfare. The deployment of current decoy flares during periods of darkness further expose Special Operations Aviation Regiment Airborne [(SOAR) (A)] aircraft to additional danger from these projectiles since they diffuse visible energy that highlight the target aircraft's

position and increase its vulnerability to additional threats and attacks. Due to the majority of SOAR (A) missions occurring in darkness, the ROSES program is needed to provide aircraft with enhanced countermeasures that significantly reduce aircraft exposure when flares are deployed.

15. MH-60 Low Cost Modifications include 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.

16. The A/MH-6M Block 3.0 Upgrade program will procure, integrate, and install commercial-off-the-shelf and government-off-the-shelf components such as integrated digital moving map, upgraded multifunctional displays, improved communication/navigation suites, lightweight mission processor, structural upgrades, and next generation main and tail rotor systems.

17. The EARL program will procure and install an engine control system to perform automatic failure detection and correction of engine flameout conditions through activation of the ignition system. EARL will be installed on the entire MH-47 fleet.

18. The A/MH-6M Potential Replacement program will modify and qualify an Army-provided Armed Reconnaissance Helicopter/light utility helicopter as a potential replacement platform for the A/MH-6M SOF helicopter fleet. SOF-unique modifications include the current Mission Equipment Packages (MEP) necessary to support SOF mission requirements.

19. A/MH-6 AN/ZSQ-3 Lightweight Electro-Optical Sensor program significantly increases the AH-6M aircraft's capability to find, fix, and finish targets with precision weapon systems. These sensors provide autonomous designation for laser-guided munitions.

BUDGET ITEM JUSTIFICATION SHEET												DATE: FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE / 2			P-1 ITEM NOMENCLATURE ROTARY WING UPGRADES AND SUSTAINMENT									
MODIFICATION SUMMARY												
DESCRIPTION	Prior Years	FY 2010	FY 2011 Baseline	FY 2011 OCO	FY 2011 Total Req	FY 2012	FY 2012 OCO	FY 2012 Total Req	FY 2013	FY 2014	FY 2015	FY 2016
1. MH-47/60 SIRFC	268.392	70.800	43.606		43.606	7.225		7.225	31.412	23.024	0.011	0.011
2. Hostile Fire Indicator System						7.078		7.078	5.324	3.478	3.460	
3. Mission Processor Upgrade	66.399		9.762		9.762	6.003		6.003	3.220	9.652	21.357	11.711
4. Secure Real Time Video						5.391		5.391	4.900			
5. A/MH-6 Improved Seat System						5.011		5.011	6.631	3.171	3.130	
6. MH-47 Low Cost Modifications	84.873	2.192				3.716		3.716	4.792	3.029	3.087	3.140
7. Next Generation FLIR	221.412	2.029	4.065		4.065	2.439		2.439				20.463
8. A/MH-6 Low Cost Modifications	13.950	1.764	1.786		1.786	1.819		1.819	2.221	2.319	2.433	2.551
9. Aircraft Occupant Ballistic Protection		11.500	11.904		11.904	1.459		1.459	1.098		4.500	3.919
10. MH-47 Block I Upgrades			8.717		8.717	1.270		1.270	17.667	30.911	32.029	31.187
11. A/MH-6 - Lightweight Hellfire Launcher	7.123	2.740										
12. Rotary Wing Weapons Modernization	15.408	2.651										
13. Silent Knight TF/TA Radar									7.357	13.916	49.174	50.277
14. Reduced Optical Signature Emissions Solution	0.761								2.181	1.333		
15. MH-60 Low Cost Modifications	76.273									2.299	2.362	2.402
16. A/MH-6M Block 3.0 Upgrade											12.889	21.889
17. MH-47 Engine Automatic Re-Light											5.528	6.550
18. A/MH-6 Potential Replacement											0.940	6.414
19. A/MH-6 AN/ZSQ-3 Lightweight Electro-Optical Sensor				5.600	5.600							
Prior Years Total	1,274.658											
SUBTOTAL FOR MODS	**2,029.249**	**93.676**	**79.840**	**5.600**	**85.440**	**41.411**		**41.411**	**86.803**	**93.132**	**140.900**	**160.514**

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

TYPE MODIFICATION: Survivability

MODIFICATION TITLE: Suite of Integrated Radio Frequency Countermeasures (SIRFC)

DESCRIPTION/JUSTIFICATION: This program provides for the SIRFC capability. SIRFC is the next generation of Radio Frequency (RF) detection and countermeasures for Army Special Operations Aviation (ARSOA) MH-47 and MH-60 aircraft. It replaces current obsolete RF Aircraft Survivability Equipment (ASE) systems 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 (USSOCOM) Threat Environment Description. Jammers consist of both LRU-2, High Power Remote Transmitter (HPRT), and LRU-3 Electronics countermeasures.

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		FY09		FY10		FY11		FY12		FY13		FY14		FY15		FY16		TC		TOTAL	
		Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E (funded by the Army)																							
PROC																							
MH-47G A Kits (Note 1)		27	13.5	4	2.0	9	4.5															40	20.0
MH-47G Radar Warning Receiver (RWR) B-kits (LRUs-1/4/5)		40	68.4																			40	68.4
MH-47G LRU-1				11	8.3	2	2.1	8	6.7													21	17.1
MH-47G LRU-4				16	10.0	2	1.4	3	2.2													21	13.6
MH-47G LRU-5				18	0.6			3	0.1													21	0.7
MH-47G LRU-3 (Note 2)		26	20.8	10	8.8	8.0	7.5															44	37.1
MH-47G LRU-1 Spares																						0	0.0
MH-47G LRU-4 Spares								5	3.7													5	3.7
MH-47G LRU-5 Spares								5	0.2													5	0.2
NRE			72.7		1.4		1.2																75.3
Testing			6.9		0.7																		7.6
MH-47G SIRFC Fielding Spt (Note 3)			14.0		2.4		5.0																21.4
DERF		2	9.8																				
Army (P-2 provided B kits)		2																				2	0.0
MH-60M LRU-1				17	12.9	15	15.6	17	14.4	2	3.8	17	15.6									68	62.3
MH-60M LRU-4				21	13.1	41	26.3	8	6.0													70	45.4
MH-60M LRU-5				48	1.5			22	0.7													70	2.2
MH-60M LRU-2				12	2.9					1	0.2											13	3.1
MH-60M LRU-3				12	4.8																	12	4.8
MH-60M LRU-1 Spares												10	9.4									10	9.4
MH-60M LRU-4 Spares								3	2.2					7	7.0							10	9.2
MH-60M LRU-5 Spares								3	0.1					7	0.3							10	0.4
MH-60M Fielding Support (Note 3)					2.7		4.3		5.2		3.2		6.4		8.7								30.5
MH-60M FlightTest Support							2.9		2.1														5.0
Obsolescence/ECP															7							0	7.0
																						0	0.0
Install Cost																						0	0.0
Total Proc		42	196.3	21	72.1	41	70.8	8	43.6	0	7.2	0	31.4	0	23.0	0	0.0			0	0.0	112	444.4

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 Shipset). 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 (AVUM) sparing, training, publications, and deployment support kits.

MODELS OF SYSTEMS AFFECTED: MH-47G/MH-60M TYPE MODIFICATION: Survivability MODIFICATION TITLE: Hostile Fire Indicating System (HFIS)

DESCRIPTION/JUSTIFICATION: The Hostile Fire Indicating System (HFIS) detects, classifies, and alerts the aircrew to the presence of small caliber, crew-served, anti-aircraft, and rocket propelled grenades firing. By providing detection and angle of arrival information, the HFIS will allow aircrews to perform evasive maneuvers and counter-fire, significantly increasing the aircraft's probability of survival. The HFIS will be employed on the MH-47G and MH-60M. ARSOA has identified a significant capability gap to detect hostile fire. The HFIS will improve the capability to conduct combat operations with a much greater chance of completing the mission successfully and increasing the chances of aircrew survivability. Installs will be accomplished during Field Maintenance.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Integration Phase begins 2nd Qtr FY11; Production Decision 3rd Qtr FY12.

FINANCIAL PLAN: (TOA, $ in Millions)

		Prior Yrs		FY09		FY10		FY11		FY12		FY13		FY14		FY15		FY16		TC		TOTAL	
		Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E (Note)							2.5		4.0														6.5
PROCUREMENT																							
Integration Support											1.2		2.4		1.3		0.6						5.5
Integrated Logistical Support (ILS)											0.7		0.9										1.6
MH-60 A-Kits (Shipsets)										20	0.4	20	0.4	6	0.1							46	0.9
MH-60 B-Kits (Shipsets)										19	2.0	4	0.4	7	0.8	16	1.3					46	4.5
MH-60 Spare Shipsets										2	0.2	2	0.2	2	0.2	1	0.1					7	0.7
MH-47 A-Kits (Shipsets)										20	0.4	20	0.4	6	0.1							46	0.9
MH-47 B-Kits (Shipsets)										19	2.0	4	0.4	7	0.8	16	1.3					46	4.5
MH-47 Spare Shipsets										2	0.2	2	0.2	2	0.2	2	0.2					8	0.8
Installs																							
Total Proc										40	7.1	40	5.3	12	3.5	0	3.5					92	19.4

NOTE:- Two each A-Kits procured with RDTE for MH-60 and MH-47 prototypes.

MODELS OF SYSTEMS AFFECTED: MH-47G, MH-60M, A/MH-6M TYPE MODIFICATION: Survivability MODIFICATION TITLE: Mission Processor Upgrade

DESCRIPTION/JUSTIFICATION: The program provides for the life-cycle replacement of the current mission and video processors for all Army Special Operations Aviation (ARSOA) Multi Function Displays (MFD) and Control Display Units (CDU). Upgrading all internal processors increases the processing power to support critical functionality and emerging technologies that will be integrated into the Common Avionics Architecture System (CAAS). This mission processor upgrade provides the processing and memory resources required to incorporate the following functions into the General Purpose Processing Unit (GPPU): (1) Global Air Traffic Management (GATM) replaces ground-based navigation aids with an international requirement that all aircraft be compliant with digital and space-based navigation systems; (2) Situational Awareness for Safe Aircraft Recovery (SAFEAIR) provides passive survivability for flight operations in all-weather conditions by displaying 3-dimensional displays with flight path guidance to increase battle space awareness in zero-visibility conditions; (3) Cognitive Decision Aiding System (CDAS) fuses information on threat, route, weather, terrain, friendly forces and instantaneously adjusts an aircraft's route to protect the flight crew in hazardous low levels, night and weather.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (TOA, $ in Millions)

	Prior Yrs		FY09		FY10		FY11		FY12		FY13		FY14		FY15		FY16		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDTE																						
PROCUREMENT																						
Mission Processor																						
Non-Recurring Equipment (NRE)								0.2		0.2		0.2										0.6
Systems Integration/Testing								0.3		0.3		0.3		0.3		0.6		0.4				2.2
CDU Retrofits								1.2		1.2		0.1										2.5
MH-47 B Kits							13	3.8	7	2.0	4	1.2	7	2.1	24	7.0	6	1.7			61	17.8
MH-47 Spares															3	0.9	9	2.6			12	3.5
MH-60 B Kits *Note 1							13	3.8	6	1.8	3	0.9	7	2.1	2	0.6					31	9.2
MH-60 Spares															6	1.7	9	2.6			15	4.3
A/MH-6M B Kits							25	0.4	26	0.4											51	0.8
A/MH-6M B Spares							3	0.1	7	0.1											10	0.2
CAAS Block Upgrades																						
NRE (CAAS Block Upgrade)														0.3		0.4		0.3				1.0
System Integration/Testing																1.1						1.1
GATM Software												0.5		4.5		4.0						9.0
CDAS Software																0.4		1.0				1.4
SAFEAIR Software																1.8		0.5				2.3
GPPU B Kit (Integration Units)													4	0.4							4	0.4
MH-47 B Kits															30	1.0	29	0.9			59	1.9
MH-47 Spares															6	0.2	6	0.2			12	0.4
MH-60 B Kits															29	0.9	30	1.0			59	1.9
MH-60 Spares															6	0.2	6	0.2			12	0.4
Integrated Logistics Support																0.6		0.3				0.9
Install Cost	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Proc	0	0.0	0	0.0	0	0.0	51	9.8	39	6.0	7	3.2	14	9.7	26	21.4	6	11.7	0	0.0	143	61.8

*Note 1 - 41 MH-60 B Kit shipsets funded within MH-60 Modernization program to meet fielding schedule.

MODELS OF SYSTEMS AFFECTED: MH-47G, MH-60M, A/MH-6M TYPE MODIFICATION: Survivability MODIFICATION TITLE: Secure Real Time Video (SRTV)

DESCRIPTION/JUSTIFICATION: This program provides SOF a real-time video update of enemy location, disposition, and activity prior to insertion on the Landing Zone. This video feed of the target will enable SOF teams to determine if planned and available combat power is sufficient to accomplish the mission. The assault force will make informed tactical decisions based upon video intelligence received while enroute to the objective. These critical decisions may range from aborting the mission to requesting indirect fires and precision munitions. Ultimately, SRTV will promote mission success and an economy of force by ensuring that the assault plan is still viable and that pre-determined ordnance is sufficient to overwhelm the enemy. All SOF aircraft will be modified to accept SRTV B kits. This modification will be performed in the field. The 40 B-kits will have a plug and play capability so that SRTV can be used across the fleet as required. Install costs are included in the cost of A-Kits.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Production Decision 2nd Qtr FY12.

FINANCIAL PLAN: (TOA, $ in Millions)

	Prior Yrs		FY09		FY10		FY11		FY12		FY13		FY14		FY15		FY16		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																					0	0.0
PROC																					0	0.0
																					0	0.0
NRE										0.3		0.3									0	0.6
System Integration/Testing										1.9											0	1.9
																					0	0.0
A Kits									66	1.3	126	2.5									192	3.8
																					0	0.0
B Kits									18	1.7	22	2.1									40	3.8
																					0	0.0
ILS										0.2											0	0.2
																					0	0.0
																					0	0.0
Install Cost																					0	0.0
Total Proc									66	5.4	126	4.9									192	10.3

MODELS OF SYSTEMS AFFECTED: A/MH-6M TYPE MODIFICATION: Safety MODIFICATION TITLE: A/MH-6M Improved Seat System

DESCRIPTION/JUSTIFICATION: This program develops, qualifies, procures, and integrates a new lightweight and compact seat system for the A/MH-6M aircraft that improves crashworthiness, pilot comfort, reduces pilot fatigue, and provides ballistic protection. This effort addresses and resolves the number one priority critical safety-of-flight issue identified by the 160th Special Operations Aviation Regiment (Airborne). The existing seat system in the A/MH-6M platform is a legacy system that dates back to 1960's technology. The maximum take-off gross weight for the A/MH-6 has grown from approximately 2,500 lbs to 4,700 lbs. Structural modifications anticipated in order to support this effort include, but are not limited to, the existing cockpit crush box structure, primary airframe structural load carrying bulkhead, critical flight control systems, relocation of existing avionics, and the landing gear system. This effort will develop the depot level aircraft modification and installation instructions.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Program Initiation in 2Q FY10, Production Decision 4Q FY11

FINANCIAL PLAN: (TOA, $ in Millions)

	Prior Yrs		FY09		FY10		FY11		FY12		FY13		FY14		FY15		FY16		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDTE						3.6		2.9														6.5
PROCUREMENT																						
Engineering Support										0.2		0.2		0.3		0.3						1.0
Shipset Hardware									26	3.8	25	3.8									51	7.6
Shipset Hardware Spares									5	0.7	5	0.7									10	1.4
Special Tools										0.1												0.1
Publication/Data										0.2												0.2
																						0.0
																						0.0
Install Cost									0	0.0	13	1.9	19	2.8	19	2.8					51	7.5
Total Proc									26	5.0	25	6.6	0	3.2	0	3.1					51	17.9

MODELS OF SYSTEMS AFFECTED: A/MH-6M

INSTALLATION INFORMATION: Install schedule of modification for new A/MH-6M Seat System. "In" is defined as manufacturing/work in progress; "Out" is defined as delivered to SOAR(A).

METHOD OF IMPLEMENTATION: Blue Grass Army Depot Modification Line

ADMINISTRATIVE LEADTIME: 3 months 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		FY09		FY10		FY11		FY12		FY13		FY14		FY15		FY16		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PYS																					0	0.0
FY09																					0	0.0
FY10																					0	0.0
FY11																					0	0.0
FY12																					0	0.0
FY13											13	1.9									13	1.9
FY14													19	2.8							19	2.8
FY15															19	2.8					19	2.8
FY16																					0	0.0
To Complete																					0	0.0
Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	13	1.9	19	2.8	19	2.8	0	0.0	0	0.0	51	7.5

Installation Schedule

	PY	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																		1	4	4	4
Out																			1	4	4

	FY14				FY15				FY16				TC	Total
	1	2	3	4	1	2	3	4	1	2	3	4		
In	5	4	5	5	5	4	5	5						51
Out	4	5	4	5	5	5	4	5	5					51

Exhibit P-40A, Budget Item Justification for Aggregated Items ROTARY WING UPGRADES/SUSTAINMENT										Date: FEBRUARY 2011
Appropriation/Budget Activity - 0300/BA2										
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2010		FY 2011		FY 2012	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Modifications	Various			754,591		93,676		79,840		41,411
Overseas Contingency Operations										
1. Modifications	Various						14	5,600		
Prior Year Funding				1,274,658						
LINE ITEM TOTAL				2,029,249		93,676		85,440		41,411

Exhibit P-18 Initial and Replenishment Spare and Repair Parts Justification				Date: FEBRUARY 2011						
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/0201RWUPGR		Weapon System		P-1 Line Item Nomenclature ROTARY WING UPGRADES AND SUSTAINMENT						
End Item P-1 Line Item	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
INITIAL										
1. Aircraft Modernization Spares										
A. Suite of Integrated Radio Frequency Countermeasures										
- MH-47G Spares			3,900							3,900
- MH-60M Spares			2,300		9,430	7,300				19,030
B. Mission Processor Upgrade										
- MH-47G MP Spares							881	2,642		3,523
-MH-60M MP Spares							1,761	2,642		4,403
-A/MH-6M MP Spares			100	100						200
-MH-47G GPPU Spares							150	150	50	350
-MH-60M GPPU Spares							150	150	75	375
C. Aircraft Occupant Ballistic Protection Systems										
- MH-47G Spares		400					100			500
- MH-60M Spares		524					100			624
- A/MH-6M Spares		60					59			119
D. A/MH-6M Lightweight Hellfire Launcher Spares		132								132
- Lightweight Hellfire Launcher Spares										
Prior Year Funding	65,426									65,426
TOTAL INITIAL	65,426	1,116	6,300	100	9,430	7,300	3,201	5,584	125	98,582
REPLENISHMENT										
LINE ITEM TOTAL	65,426	1,116	6,300	100	9,430	7,300	3,201	5,584	125	98,582

Remarks: Funded Initial Spares = $98,582

Repair Turnaround Time = Various

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE MH-47 SERVICE LIFE EXTENSION PROGRAM

Prior Years	FY 2010 Baseline	FY 2010 Supp	FY 2010 Total Request	FY 2011 Baseline	FY 2011 OCO	FY 2011 Total Request	FY 2012 Baseline	FY 2012 OCO	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
Quantity													
508.813	26.242	28.500	54.742	107.934	4.222	112.156	0.000	40.500	40.500	0.000	0.000	0.000	0.000

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. The approved requirement for Service Life Extension Program (SLEP) efforts is 61 aircraft. 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 (OCO) missions. The MH-47 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. This program will provide ARSOA with a single heavy assault airframe type, the MH-47G. Program was increased by FY 2006, FY 2007, FY 2008 and FY 2010 Supplemental funding. The associated RDT&E is in Program Element 1160482BB.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS PROGRAM JUSTIFICATION: This funding provides for the replacement of one MH-47G battle loss, and the replacement of SOF-unique parts on one MH-47G battle damaged aircraft.

BUDGET ITEM JUSTIFICATION SHEET														DATE: FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE / 2					P-1 ITEM NOMENCLATURE MH 47 SLEP									

MODIFICATION SUMMARY

DESCRIPTION	Prior Years	FY 2010 Baseline	FY 2010 Supp	FY 2010 Total Request	FY 2011 Baseline	FY 2011 OCO	FY 2011 Total Request	FY 2012 Baseline	FY2012 OCO	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
1. MH-47 SLEP	508.813	26.242	28.500	54.742	107.934	4.222	112.156	0.000	40.500	40.500	0.000	0.000	0.000	0.000
SUBTOTAL FOR MODS	**508.813**	**26.242**	**28.500**	**54.742**	**107.934**	**4.222**	**112.156**	**0.000**	**40.500**	**40.500**	**0.000**	**0.000**	**0.000**	**0.000**

MODELS OF SYSTEMS AFFECTED: MH-47 TYPE MODIFICATION: SLEP MODIFICATION TITLE: MH-47 Service Life Extension Program (SLEP)

DESCRIPTION/JUSTIFICATION: This program provides the MH-47 fleet a service life extension executed through spiral development with Block Upgrades (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 (SOFSA), Blue Grass Army Depot. Without a service life extension program, operational availability of the Army Special Operations Aviation (ARSOA) MH-47 fleet will decrease the prosecution of the Overseas Contingency Operations at multiple locations. Additionally, the operational support costs for the existing fleet will increase, operational readiness rates will decline beyond acceptable limits, and airframes may not remain viable until a replacement aircraft is developed and fielded. To upgrade to the MH-47G configuration, the 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, including Digital Automated Flight Control System, 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 SOFSA kits include installation costs.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Lot 1 Contract Award - Dec 02, Lot 2 Contract Award - Dec 03, DD250 Lot 1 ACFT 1 - Oct 04,
Lot 3 Contract Award - Jan 05, Lot 4 Contract Award - Dec 05, Lot 5 Contract Award - Mar and Jun 07, Lot 6 Award - Dec 07, Lot 7 Award - Dec 08, Lot 8 Award - Apr 09.

FINANCIAL PLAN: (TOA, $ in Millions)

	Prior Yrs		FY09		FY10		FY11		FY12		FY13		FY14		FY15		FY16		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E		14.1																			0	14.1
PROC																					0	0.0
CH-47D Remanufactured Equipment		78.9																			0	78.9
MH-47D Remanufactured Equipment		19.2																			0	19.2
MH-47E Remanufactured Equipment		15.7																			0	15.7
ECP/NRE		98.8		2.6		1.6		4.6													0	107.6
Systems Engineering		4.2		1.9		7.0		2.9													0	16.0
CH-47D Conversion Kits *Note 1	33	111.9																			33	111.9
MH-47D Conversion Kit	9	25.6																			9	25.6
MH-47E Conversion Kit	11	28.9	6	15.0	2	4.4															19	48.3
Integrated Logistics Support																					0	0.0
Publications (IETMs)		34.3		3.2		3.3															0	40.8
Training		1.9																			0	1.9
MH-47E Demod ECP and Parts Recapitalization						4.4															0	4.4
																					0	0.0
Production Cost (Quantities Non-Add) *Note 2	55	399.9	6	40.7																	61	440.6
MH-47G Replacement Aircraft & Battle-Loss Components (Quantities Non-Add) * Note 3	3	63.2																			3	63.2
Production Cost Note 4		1.6		12.0		5.5															0	19.1
Other Prior Year Items		8.6																			0	8.6
Overseas Contingency Operations (OCO)																						
Production Cost Note 5						28.5		4.2		40.5												73.2
																					0	0.0
Install Cost	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Proc	55	892.7	6	75.4	0	54.7	0	7.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	61	1075.0

*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 lines quantites that represent the number of SOF modificatin 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 - Funding for repairs over and above the current program level due to increased deployment schedule for platforms returning to theater.

*Note 5 - OCO funding requested for two replacement MH-47G lost in OEF in Oct 09 (FY10 funds) and May 10 (FY12 funds), and one battle-damaged aircraft repair/SOF-unique equipment (FY12). Additional FY11 request funds repairs over and above the current pr level due to increased deployment schedule for platforms returning to theater.

Exhibit P-40A, Budget Item Justification for Aggregated Items MH-47 SLEP					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
Procurement Items	Contractor and Location	ID Code	PY'S		FY 2010		FY 2011		FY 2012	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Modifications (MH-47 SLEP)	Various			474,413		26,242		7,485		
2. MH-47G Chinook	Various									
A. Production/Long Lead Items								9,000		
B. Non-Recurring Engineering								61,449		
C. Government Furnished Equipment								27,100		
D. Program Management								2,900		
Subtotal								100,449		
Supplemental/ Overseas Contingency Operations (OCO)										
Modifications	Various			34,400		28,500		4,222		40,500
All PY dollars prior to FY 2005 are in the										
Rotary Wing Upgrades & Sustainment Line Item										
LINE ITEM TOTAL				508,813		54,742		112,156		40,500

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE MH-60 MODERNIZATION PROGRAM

	Prior Years	FY 2010	FY 2010	FY 2010	FY 2011	FY 2012	FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY		Baseline	Supp	Total Request	Baseline	Baseline	OCO	Total Request	Baseline	Baseline	Baseline	Baseline
COST (In Millions $)	266.278	123.019	4.600	127.619	179.375	171.456	7.800	179.256	100.123	20.133	1.468	5.522

MISSION AND DESCRIPTION: Army Special Operations Aviation (ARSOA) provides organic aviation support to Special Operations Forces (SOF) for world-wide contingency operations and low-intensity conflicts. ARSOA utilizes 72 highly specialized MH-60 aircraft capable of worldwide rapid deployment operations and penetration of hostile areas for these missions. The aircraft are capable of operating at extended ranges under adverse weather conditions and harsh environments deep in enemy territory. They are used to infiltrate, provide logistics for, reinforce, and extract SOF. The MH-60 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. Program increased by FY 2010 supplemental funding. The associated RDT&E is in Program Element 1160482BB.

FY 2012 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.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures MH-60 conversion kit materials and defensive armed penetrator (DAP) modifications to replace one MH-60L DAP battle loss.

BUDGET ITEM JUSTIFICATION SHEET	DATE: FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE / 2	P-1 ITEM NOMENCLATURE MH-60 MODERNIZATION PROGRAM

MODIFICATION SUMMARY

DESCRIPTION	Prior Years	FY 2010 Baseline	FY 2010 Supp	FY 2010 Total Request	FY 2011	FY 2012 Baseline	FY 2012 OCO	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
1. MH-60 Modernization Program	266.278	123.019	4.600	127.619	179.375	171.456	7.800	179.256	100.123	20.133	1.468	5.522
SUBTOTAL FOR MODS	**266.278**	**123.019**	**4.600**	**127.619**	**179.375**	**171.456**	**7.800**	**179.256**	**100.123**	**20.133**	**1.468**	**5.522**

MODELS OF SYSTEMS AFFECTED: MH-60 TYPE MODIFICATION: Added Capability MODIFICATION TITLE: MH-60 Modernization Program

DESCRIPTION/JUSTIFICATION: This program modifies one first article UH-60M and 72 US Army production UH-60M "Baseline" aircraft into a common MH-60M configuration. The MH-60M configuration will include improvements over the existing MH-60 fleet including Dual Digital Automatic Flight Controls, General Electric YT706-GE-700/SOF engines, wide chord main rotor blades, Common Avionics Architecture System, Common Missile Warning System with Improved Counter Measures Dispenser, and improved aircraft survivability equipment. The aircraft will be certified to 24,500 lbs and this program will result in a common Army Special Operations Aviation MH-60 platform, providing savings in operations and sustainment costs. The existing MH-60K/L is not capable of providing the performance necessary to support Special Operations Force missions in high altitude, high temperature, high gross weight-operations. The wide chord blades and engines on the MH-60M provide the critically needed performance for high, hot, heavy missions commonly required to support 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 to the US Army Special Operations Command (USASOC) as approved in the basis of issue plan.

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

FINANCIAL PLAN: (TOA, $ in Millions)

	Prior Yrs		FY09		FY10		*FY11		FY12		FY13		FY14		FY15		FY16		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDTE		49.2		0.6		22.7				22.8											0	95.3
PROC																					0	
																					0	
Production Support		6.3		1.6		1.6		1.7		1.8		1.8		1.8		1.0		1.0			0	18.6
Systems Engineering		23.5		9.6		4.8		14.6		3.7		3.8		2.5		0.2		0.9			0	63.6
Systems Integration		61.4		13.6		5.2		13.2						3.3							0	96.7
Integrated Logistical Support		27.1		7.4		1.0		11.1		14.0		8.7		4.6		0.3		0.3			0	74.5
Government Furnished Equipment (GFE)		45.0		17.4		15.6		20.0		18.1		13.9		3.5				3.3			0	136.8
GFE - Engines	39	39.5	3	2.8	28	27.6	32	32.7	32	35.4	12	14.7									146	152.7
GFE - Engine Spares	13	15.6	1	0.9	8	7.9	10	10.3	9	10.1	3	3.7									44	48.5
Manufacturing and Kitting		18.8		7.5		21.3		30.4		30.5											0	108.5
Engineering Changes		5.6		2.6																	0	8.2
Aircraft De-Mods										8.5		9.8		4.4							0	22.7
Production Cost (*Note 1)								5.5														5.5
OCO Loss of Components for 2 Aircraft						4.6																4.6
Install Cost	9	31.5	8	32.6	12	38.0	12	39.9	16	49.4	15	43.7	0	0.0	0	0.0	0	0.0	0	0.0	72	235.1
Total Proc	9	274.3	8	96.0	12	127.6	12	179.4	16	171.5	15	100.1	0	20.1	0	1.5	0	5.5	0	0.0	72	976.0

*Note 1: Over and Above for Lots II, III

*Note 2: USSOCOM has requested Congress to appropriate and transfer from procurement $22.565M of RDT&E in FY2011 to support continued MH-60M flight loads testing.

MODELS OF SYSTEMS AFFECTED: MH-60

MODIFICATION TITLE: MH-60 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		FY09		FY10		FY11		FY12		FY13		FY14		FY15		FY16		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PYS	9	31.5																			9	31.5
FY09			8	32.6																	2	8.3
FY10					12	38.0															12	38.0
FY11							12	39.9													12	39.9
FY12									16	49.4											16	49.4
FY13											15	43.7									15	43.7
FY14																					0	0.0
FY15																					0	0.0
FY16																					0	0.0
To Complete																					0	0.0
	9	31.5	8	32.6	12	38.0	12	39.9	16	49.4	15	43.7	0	0.0	0	0.0	0	0.0	0	0.0	72	235.1

Installation Schedule

	PY	FY10				FY11				FY12				FY13				FY14				FY15			
		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	17	0	3	4	5	0	4	4	4	4	4	4	4	4	4	4	3								
Out	2	0	1	1	4	6	2	3	4	4	4	4	4	5	4	4	4	4	4	4	4				

	TC	Total
In		72
Out		72

Exhibit P-40A, Budget Item Justification for Aggregated Items MH-60 MODERNIZATION PROGRAM					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	CONTRACTOR AND	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	LOCATION	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
Modification Summary	Various			266,278		123,019		179,375		171,456
Supplemental/Overseas Contingency Operations (OCO)										
Modifications						4,600				7,800
All dollars prior to FY 2005 are in the										
Rotary Wing Upgrades & Sustainment Line Item										
LINE ITEM TOTAL				266,278		127,619		179,375		179,256

Exhibit P-18 Initial and Replenishment Spare and Repair Parts Justification					Date: FEBRUARY 2011					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/0205MH60SL			Weapon System		P-1 Line Item Nomenclature MH-60 Modernization Program					
End Item P-1 Line Item	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
INITIAL										
1. MH-60 SOF Mods										
A. Engine Spares	16,519	7,898	10,278	10,068	3,718					48,481
TOTAL INITIAL	16,519	7,898	10,278	10,068	3,718					48,481
LINE ITEM TOTAL	16,519	7,898	10,278	10,068	3,718					48,481

Remarks: Funded Initial Spares: $48,481K

Repair Turnaround Time = Various

BUDGET ITEM JUSTIFICATION SHEET							DATE FEBRUARY 2011			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2				P-1 ITEM NOMENCLATURE NON-STANDARD AVIATION						
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY	15	9	9	15	0	15	8			
COST (In Millions $)	108.340	176.504	179.949	272.623	8.500	281.123	110.985			

MISSION AND DESCRIPTION: The Non-Standard Aviation (NSAV) line provides funding to acquire and support a combination of Special Operations Forces (SOF) unique non-standard aircraft systems. The primary purpose of these systems is to provide airlift, mission support and training where standard aircraft would not support the SOF mission. This line item funds the procurement, missionization, and correction of deficiencies of NSAV assets required to support world-wide Theater Special Operations Command mobility requirements and priority Partner Nation (PN) training. No associated RDT&E funds.

1. NSAV. The NSAV program includes short takeoff and landing, light and medium category, and 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 counterterrorism and counterinsurgency mission requirements. NSAV assets will also provide increased Special Operations Forces flexibility and capability in supporting austere and remote locations that are not serviced by reliable and safe commercial aviation service.

FY 2012 PROGRAM JUSTIFICATION: Funds MFP-11 costs associated with the procurement of five NSAV aircraft and associated equipment and initial spares.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS SUPPLEMENTAL JUSTIFICATION: Procures eight PC-12 Block 5 upgrades.

2. Aviation Foreign Internal Defense (AVFID). The AVFID program includes fixed wing and rotary wing aircraft to conduct training with priority PNs in support of the United States strategic objectives. Core AVFID objectives are to train, advise, and assist PNs in the areas of day and night operations in low level navigation, airdrop, air land resupply, leaflet drop, MEDVAC, personnel recovery, visual meteorological condition formation, aerial reconnaissance/intelligence surveillance and reconnaissance, airborne command and control, convoy escort, border patrol, counter-narcotics, and humanitarian relief.

FY 2012 JUSTIFICATION: Funds MFP-11 costs associated with the procurement of eight AVFID fixed wing aircraft, two AVFID rotary wing aircraft, and associated mission equipment and initial spares.

BUDGET ITEM JUSTIFICATION SHEET							DATE: FEBRUARY 2011			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE / 2			P-1 ITEM NOMENCLATURE NON-STANDARD AVIATION							
MODIFICATION SUMMARY										
DESCRIPTION	Prior Years	FY 2010	FY 2011	FY 2012 Baseline	FY 2012 OCO	FY2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
1. Base										
NSAV Low Cost Modifications				5.000	0.000	5.000				
2. Overseas Contingency Operations										
PC-12 Block 5 Upgrade				0.000	8.500	8.500				
SUBTOTAL FOR MODS	**0.000**	**0.000**	**0.000**	**5.000**	**8.500**	**13.500**	**0.000**	**0.000**	**0.000**	**0.000**

MODELS OF SYSTEMS AFFECTED: PC-12 TYPE MODIFICATION: Mission Capability MODIFICATION TITLE: NSAV PC-12 Block 5 Upgrade

DESCRIPTION/JUSTIFICATION: Modification reconfigures the cabins, replaces the six seat cabin interior with an eight seat variant, adds a sealed cabin floor for CASEVAC missions, reconfigures the mission communication package to support peripheral carry-on equipment and reduces overall weight/increases range to meet the baseline configuration. The installation costs are included in the kit cost.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Contract Award: 3rd Qtr FY 2012 Kit Installation: Based on aircraft availability

FINANCIAL PLAN: (TOA, $ in Millions)

	Prior Yrs		FY09		FY10		FY11		FY12		FY13		FY14		FY15		FY16		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																					0	0.0
PROC																					0	0.0
																					0	0.0
Overseas Contingency Operations																					0	0.0
Installation Kits									8	8.5											8	8.5
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
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Install Cost	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Proc	0	0.0	0	0.0	0	0.0	0	0.0	8	8.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8	8.5

Exhibit P-21, Production Schedule																																
Appropriation (Treasury) Code/CC/BA/BSA/Item Control - Procurement, Defense-						Weapon System: NSAV												P-1 Line Item Nomenclature NON-STANDARD AVIATION														
						PRODUCTION RATE												PROCUREMENT LEAD TIMES														
Item	Manufacturer's Name and Location					MSR		ECON		MAX		ALT Prior to Oct 1		ALT After 1-Oct				Initial Mfg PLT			Reorder Mfg PLT			Total			Unit of Measure					
Non-Standard Aviation (NSAV) Aircraft	Sierra Nevada Corp, Centenniel, CO					N/A		N/A		N/A		N/A		N/A				4 to 18			4 to 18			N/A			Each					
AVFID	TBD					FISCAL YEAR 08												FISCAL YEAR 09														
									CALENDAR YEAR 08												CALENDAR YEAR 09											
ITEM/MANUFACTURER/PROCUREMENT YEAR	FY	SVC	QTY	DELIVERIES PRIOR TO 1 OCT 2007	BALANCE DUE AS OF 1 OCT 2007	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
NSAV Lights PC-12, Sierra Nevada Corp, FY08	08	AF	5	0	5			A						2					1		1		1							0
NSAV Lights M-28, Sierra Nevada Corp, FY08	08	AF	3	0	3			A																		1				2
NSAV Lights PC-12, Sierra Nevada Corp, FY09	09	AF	5	0	5																A					1	2	1		1
NSAV Lights M-28, Sierra Nevada Corp, FY09	09	AF	2	0	2																A									2
NSAV Lights M-28, Sierra Nevada Corp, FY10	10	AF	3	0	3																									3
NSAV Mediums, Sierra Nevada Corp FY10	10	AF	6	0	6																									6
NSAV Lights PC-12, Sierra Nevada Corp FY11	11	AF	1	0	1																									1
NSAV Lights M-28, Sierra Nevada Corp FY11	11	AF	2	0	2																									2
NSAV Mediums, Sierra Nevada Corp FY11	11	AF	6	0	6																									6
NSAV Mediums, Sierra Nevada Corp FY12	12	AF	5	0	5																									5
AvFID Rotary Wing FY12	12	AF	2	0	2																									2
AvFID Fixed Wing FY12	12	AF	8	0	8																									8
AvFID Fixed Wing FY13	13	AF	8	0	8																									8
		Total:	56	0	56	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	1	0	1	0	0	2	2	1	0	46

						FISCAL YEAR 10												FISCAL YEAR 11												
									CALENDAR YEAR 10												CALENDAR YEAR 11									
ITEM/MANUFACTURER/PROCUREMENT YEAR	FY	SVC	QTY	DELIVERIES PRIOR TO 1 OCT 2009	BALANCE DUE AS OF 1 OCT 2009	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
NSAV Lights PC-12, Sierra Nevada Corp, FY08	08	AF	5	5	0																									0
NSAV Lights M-28, Sierra Nevada Corp, FY08	08	AF	3	1	2									A					2											0
NSAV Lights PC-12, Sierra Nevada Corp, FY09	09	AF	5	4	1								1																	0
NSAV Lights M-28, Sierra Nevada Corp, FY09	09	AF	2	0	2														1	1										0
NSAV Lights M-28, Sierra Nevada Corp, FY10	10	AF	3	0	3	A															1								1	1
NSAV Mediums, Sierra Nevada Corp FY10	10	AF	6	0	6							A									1		1				2	1	1	0
NSAV Lights PC-12, Sierra Nevada Corp FY11	11	AF	1	0	1																	A							1	0
NSAV Lights M-28, Sierra Nevada Corp FY11	11	AF	2	0	2																A									2
NSAV Mediums, Sierra Nevada Corp FY11	11	AF	6	0	6															A									1	5
NSAV Mediums, Sierra Nevada Corp FY12	12	AF	5	0	5																									5
AvFID Rotary Wing FY12	12	AF	2	0	2																									2
AvFID Fixed Wing FY12	12	AF	8	0	8																									8
AvFID Fixed Wing FY13	13	AF	8	0	8																									8
		Total:	56	10	46	0	0	0	0	0	0	0	1	0	0	0	0	0	3	1	2	0	1	0	0	0	2	1	4	31

Exhibit P-21, Production Schedule			DATE: FEBRUARY 2011
Appropriation (Treasury) Code/CC/BA/BSA/Item Control - Procurement, Defense-	Weapon System: NSAV		P-1 Line Item Nomenclature NON-STANDARD AVIATION

Item	Manufacturer's Name and Location	PRODUCTION RATE MSR	ECON	MAX	PROCUREMENT LEAD TIMES ALT Prior to Oct 1	ALT After 1-Oct	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
Non-Standard Aviation (NSAV) Aircraft	Sierra Nevada Corp, Centenniel, CO	N/A	N/A	N/A	N/A	N/A	4 to 18	4 to 18	N/A	Each
AVFID	TBD									

ITEM/MANUFACTURER/PROCUREMENT YEAR	F Y	S V C	Q T Y	DELIVERIES PRIOR TO 1 OCT 2011	BALANCE DUE AS OF 1 OCT 2011	FISCAL YEAR 12 CALENDAR YEAR 12 O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	FISCAL YEAR 13 CALENDAR YEAR 13 O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
NSAV Lights PC-12, Sierra Nevada Corp, FY08	08	AF	5	5	0																									0
NSAV Lights M-28, Sierra Nevada Corp, FY08	08	AF	3	3	0																									0
NSAV Lights PC-12, Sierra Nevada Corp, FY09	09	AF	5	5	0																									0
NSAV Lights M-28, Sierra Nevada Corp, FY09	09	AF	2	2	0																									0
NSAV Lights M-28, Sierra Nevada Corp, FY10	10	AF	3	2	1		1																							0
NSAV Mediums, Sierra Nevada Corp FY10	10	AF	6	6	0																									0
NSAV Lights PC-12, Sierra Nevada Corp FY11	11	AF	1	1	0																									0
NSAV Lights M-28, Sierra Nevada Corp FY11	11	AF	2	0	2									1	1															0
NSAV Mediums, Sierra Nevada Corp FY11	11	AF	6	1	5	1	1	1	1	1																				0
NSAV Mediums, Sierra Nevada Corp FY12	12	AF	5	0	5				A								2	2	1											0
AvFID Rotary Wing FY12	12	AF	2	0	2					A							2													0
AvFID Fixed Wing FY12	12	AF	8	0	8					A								1	1	1	1	1	1	1	1					0
AvFID Fixed Wing FY13	13	AF	8	0	8																	A								8
		Total:	56	25	31	1	2	1	1	1	0	0	0	1	1	0	4	3	2	1	1	1	1	1	1	0	0	0	0	8

ITEM/MANUFACTURER/PROCUREMENT YEAR	F Y	S V C	Q T Y	DELIVERIES PRIOR TO 1 OCT 2013	BALANCE DUE AS OF 1 OCT 2013	FISCAL YEAR 14 CALENDAR YEAR 14 O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	FISCAL YEAR 15 CALENDAR YEAR 15 O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
NSAV Lights PC-12, Sierra Nevada Corp, FY08	08	AF	5	5	0																									0
NSAV Lights M-28, Sierra Nevada Corp, FY08	08	AF	3	3	0																									0
NSAV Lights PC-12, Sierra Nevada Corp, FY09	09	AF	5	5	0																									0
NSAV Lights M-28, Sierra Nevada Corp, FY09	09	AF	2	2	0																									0
NSAV Lights M-28, Sierra Nevada Corp, FY10	10	AF	3	3	0																									0
NSAV Mediums, Sierra Nevada Corp FY10	10	AF	6	6	0																									0
NSAV Lights PC-12, Sierra Nevada Corp FY11	11	AF	1	1	0																									0
NSAV Lights M-28, Sierra Nevada Corp FY11	11	AF	2	2	0																									0
NSAV Mediums, Sierra Nevada Corp FY11	11	AF	6	6	0																									0
NSAV Mediums, Sierra Nevada Corp FY12	12	AF	5	5	0																									0
AvFID Rotary Wing FY12	12	AF	2	2	0																									0
AvFID Fixed Wing FY12	12	AF	8	8	0																									0
AvFID Fixed Wing FY13	13	AF	8	0	8	1	1	1	1	1	1	1	1																	0
		Total:	56	48	8	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Remarks:
1. Procurement from commercial aircraft companies.
2. No PC-12s procured in FY 2010.
3. "A" for Contract "Award" of aircraft; some years have multiple contract awards.

Exhibit P-40A, Budget Item Justification for Aggregated Items Non-Standard Aviation			Date: FEBRUARY 2011							
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PYS		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Non Standard Aviation										
A. Aircraft										
1. Light, PC-12	Sierra Nevada Corporation, Centenniel, CO		10	51,680			1	6,985		
2. Light, M-28	Sierra Nevada Corporation, Centenniel, CO		5	49,200	3	35,200	2	21,400		
3. Medium	Sierra Nevada Corporation, Centenniel, CO				6	114,273	6	121,268	5	107,300
Subtotal				100,880		149,473		149,653		107,300
B. Spares										
1. Light	Sierra Nevada Corporation, Centenniel, CO			7,460		5,075		4,034		
2. Medium	Sierra Nevada Corporation, Centenniel, CO					21,956		22,112		17,949
Subtotal				7,460		27,031		26,146		17,949
C. Production Support								4,150		2,400
D. Modifications										
1. Low cost modifications - Baseline	Sierra Nevada Corporation, Centenniel, CO									5,000
2. PC-12 Block 5 Upgrade - Overseas Contingency Operations	Sierra Nevada Corporation, Centenniel, CO									8,500
Subtotal										13,500
2. Aviation Foreign Internal Defense										
A. Aircraft	TBD									
1. Rotary Wing									2	27,451
2. Fixed Wing									8	90,640
Subtotal										118,091
B. Spares	TBD									
1. Rotary Wing										2,300
2. Fixed Wing										19,583
Subtotal										21,883
Line Item Total			15	108,340	9	176,504	9	179,949	15	281,123

Exhibit P-18 Initial and Replenishment Spare and Repair Parts Justification				Date: FEBRUARY 2011						
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/0207NSAV		Weapon System		P-1 Line Item Nomenclature NON-STANDARD AVIATION						
End Item P-1 Line Item	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
INITIAL NSAV										
INITIAL Light	7,460	5,075	4,034							16,569
INITIAL Medium		21,956	22,112	17,949						62,017
INITIAL AVFID										
INITIAL AVFID Rotary Wing				2,300						2,300
INITIAL AVFID Fixed Wing				19,583	21,283					40,866
TOTAL INITIAL	7,460	27,031	26,146	39,832	21,283					121,752
REPLENISHMENT										
TOTAL REPLENISHMENT										
LINE ITEM TOTAL	7,460	27,031	26,146	39,832	21,283					121,752

Remarks: Funded initial spares = $122,833K
Repair Turnaround Time (Days) = Various

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BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE TANKER RECAPITALIZATION

	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Quantity								
COST (In Millions $)	68.652	29.017	19.996					

Beginning in FY 2012, a new P-1 line item was established for the new AC/MC-130J aircraft. FY 2012-2016 resources were moved from the Tanker Recapitalization P-1 line to the AC/MC-130J P-1 line.

MISSION AND DESCRIPTION: This P-1 line funds the recapitalization of aging MC-130E Combat Talon I and MC-130P Combat Shadow. These platforms 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. These aircraft also provide 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 the United States Special Operations Command (USSOCOM). USSOCOM funds the procurement of Special Operations Forces (SOF)-peculiar systems such as unique publications, survivability systems, cargo handling provisions, variable speed refueling drogue, situational awareness systems, navigation systems, and crew provisions. The SOF-peculiar systems will be procured in increments, with non-recurring as required for each baseline. Retrofit of incremental capability into initial aircraft began in FY 2011. The associated RDT&E funds are in Program Elements 1160403BB and 1160429BB. FY 2008 Supplemental funds were added to procure SOF-peculiar systems and non-recurring engineering for seven additional aircraft.

BUDGET ITEM JUSTIFICATION SHEET		DATE: FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE / 2	P-1 ITEM NOMENCLATURE TANKER RECAPITALIZATION	

MODIFICATION SUMMARY

DESCRIPTION	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
1. Variable Speed Drogue		2.000	4.000					
2. MC-130J Incremental Retrofits (NRE)			1.900					
SUBTOTAL FOR MODS		**2.000**	**5.900**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**

Exhibit P-5 Cost Analysis AVIATION	Weapon System				Date: FEBRUARY 2011			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA 2/0606MC130J				ID Code	P-1 Line Item Nomenclature TANKER RECAPITALIZATION			
WBS COST ELEMENTS	Prior Years		FY 2010		FY 2011		FY 2012	
(Tailor to System/Item Rqmts	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. Flyaway costs								
A. SOF Airframe	1,200	4,800	1,200	4,800	1,200	6,000		
2. Non-Recurring Engineering		5,569		21,452		3,341		
3. Production Engineering Support		884		765		3,616		
4. Initial Spares						1,139		
5. Modification				2,000		5,900		
6. Supplemental/Overseas Contingency Operations								
A. SOF Airframe	1,200	8,400						
B. Non-Recurring Engineering		48,999						
Subtotal		57,399						
LINE ITEM TOTAL		68,652		29,017		19,996		0

Notes:
Increment 1 MFP-11 funded in FY08-09, MFP-4 funded in FY10
Increment 2 MFP-11 funded beginning in FY08, MFP-4 funded in FY10
Increment 3 MFP-11 funding begins in FY10

Exhibit P-18 Initial and Replenishment Spare and Repair Parts Justification					Date: FEBRUARY 2011					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/0204SPARES			Weapon System VARIOUS		P-1 Line Item Nomenclature TANKER RECAPITALIZATION					
SPARES AND REPAIR PARTS	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
INITIAL										
Initial Spares			1,139							1,139
TOTAL INITIAL			1,139							1,139
REPLENISHMENT										
TOTAL REPLENISHMENT										
LINE ITEM TOTAL			1,139							1,139

Remarks: Funded Initial Spares = $1,139K
Repair Turnaround Time = Various

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE U-28

	Prior Years	FY 2010 Baseline	FY 2010 Supp	FY 2010 Total Request	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY										
COST (In Millions $)	7.636	2.510	3.000	5.510	0.404	5.100	7.435	4.270	4.450	8.345

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

FY 2012 PROGRAM JUSTIFICATION: Procures and installs modifications to mission equipment.

P-1 SHOPPING LIST, ITEM NO. 54

BUDGET ITEM JUSTIFICATION SHEET										DATE: FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE / 2				P-1 ITEM NOMENCLATURE U-28						
MODIFICATION SUMMARY										
DESCRIPTION	Prior Years	FY 2010 Baseline	FY 2010 Supp	FY 2010 Total Request	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
1. U-28 Block 20 Retrofit	7.636									
2. U-28 Low Cost Modifications		2.510		2.510	0.404	3.000	7.435	4.270	4.450	8.345
3. U-28 Link 16			3.000	3.000						
SUBTOTAL FOR MODS	**7.636**	**2.510**	**3.000**	**5.510**	**0.404**	**3.000**	**7.435**	**4.270**	**4.450**	**8.345**

Exhibit P-40A, Budget Item Justification for Aggregated Items U-28					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PYs		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Modifications	Sierra Nevada Corp, Denver, CO									
A. Baseline				7,636		2,510		404		3,000
B. Supplemental/Overseas Contingency Operations						3,000				
Subtotal				7,636		5,510		404		3,000
2. Mission Equipment	Sierra Nevada Corp, Denver, CO									
A. Baseline										2,100
LINE ITEM TOTAL				7,636		5,510		404		5,100

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BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE MH-47 CHINOOK

	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Quantity			*	1	7			
COST (In Millions $)			*	142.783	133.084	58.747		

NOTE: The FY 2011 funding for non-recurring engineering and the initial long-lead procurement was budgeted in the MH-47 Service Life Extension Program P-1 Line Item. USSOCOM is working with Congress to transfer the FY 2011 funding from the MH-47G SLEP line to the MH-47G Chinook line item.

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 69 highly specialized MH-47G Chinook aircraft capable of worldwide rapid deployment operations and penetration of hostile areas for these missions. The Department created a new Special Operations Forces MH-47G Company to address SOF rotary wing aviation lift capacity gaps by increasing the fleet from 61 to 69. 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-47G is the SOF platform of choice in executing Overseas Contingency Operations (OCO) missions. The additional aircraft will establish a new company in the 160th Special Operations Aviation Regiment Airborne [(SOAR) (A)] to meet the continuing, critical, time sensitive needs of OCO. The additional aircraft will be fielded in the latest MH-47G configuration, leveraging Army-common technologies to provide the most capable aircraft to the 160th SOAR (A).

FY 2012 PROGRAM JUSTIFICATION: Procures the long lead materials, non-recurring engineering, government furnished equipment, program management, installations, publications and fielding support required for the production of the MH-47G aircraft.

Exhibit P-5 Cost Analysis AVIATION	Weapon System				Date: FEBRUARY 2011			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA 2/0610MH47				ID Code	P-1 Line Item Nomenclature MH-47 Chinook			
WBS COST ELEMENTS	Prior Years		FY 2010		FY 2011		FY 2012	
(Tailor to System/Item Rqmts)	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. CFE							8,031	64,246
2. Airframe Production							9,535	9,535
3. GFE								47,875
4. Support Costs								
a. Non-Recurring Engineering								1,282
b. Publications/Tech Data								6,943
c. Fielding Costs								9,933
Subtotal								18,158
5. Program Management								2,969
LINE ITEM TOTAL								142,783

						A. DATE: FEBRUARY 2011			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE, 0300, BA-2				C. P-1 ITEM NOMENCLATURE MH-47 Chinook					
				Contract			Date of	Tech Data	Date
WBS COST ELEMENTS Tailor		Unit	Location of	Method and	Contractor	Award	First	Available	Revisions
to System/Item Requirements	Qty	Cost	PCO	Type	and Location	Date	Delivery	Now?	Avail
CFE									
FY 2012	8	8,031	AMCOM, U.S. Army	SS/FPI	The Boeing Company	Nov-11	Oct-12	No	
					Ridley Park, PA				
Airframe Production									
FY 2012	1	9,535	AMCOM, U.S. Army	SS/FPI	The Boeing Company	Aug-12	Aug-14	No	
					Ridley Park, PA				
FY 2013	7	9,707	AMCOM, U.S. Army	SS/FPI	The Boeing Company	Jan-13	Sep-14	No	
					Ridley Park, PA				

Exhibit P-21, Production Schedule																		DATE: FEBRUARY 2011												
Appropriation (Treasury) Code/CC/BA/BSA/Item Control - Procurement, Defense-Wide / 2						Weapon System: MH-47G Chinook												P-1 Line Item Nomenclature MH-47 Chinook												
						PRODUCTION RATE												PROCUREMENT LEAD TIMES												
Item	Manufacturer's The Boeing Company Name and Location Ridley Park, PA					MSR		ECON		MAX		ALT Prior to Oct 1		ALT After Oct 1		Initial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure								
						N/A		N/A		N/A		N/A		N/A		15-24		N/A		N/A		Each								
MH-47G Chinook						FISCAL YEAR 12												FISCAL YEAR 13												
						CALENDAR YEAR 12												CALENDAR YEAR 13												
ITEM/MANUFACTURER/PROCUREMENT YEAR	FY	SVC	QTY	DELIVERIES PRIOR TO 1 OCT 2011	BALANCE DUE AS OF 1 OCT 2011	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
	08																													0
	08																													0
	09																													0
	09																													0
	10																													0
	10																													0
	11																													0
	11																													0
MH-47G	12	A	1	0	1											A														1
	12																													0
MH-47G	13	A	7	0	7																A									7
	13																													0
	14																													0
	14																													8
		Total:	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16

						FISCAL YEAR 14												FISCAL YEAR 15												
						CALENDAR YEAR 14												CALENDAR YEAR 15												
ITEM/MANUFACTURER/PROCUREMENT YEAR	FY	SVC	QTY	DELIVERIES PRIOR TO 1 OCT 2013	BALANCE DUE AS OF 1 OCT 2013	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
	08																													0
	08																													0
	09																													0
	09																													0
	10																													0
	10																													0
	11																													0
	11																													0
MH-47G	12	A	1	0	1											1														0
	12																													0
MH-47G	13	A	7	0	7												1	1	1	1	1	1	1							0
	13																													0
	14																													0
	14																													0
		Total:	8	0	8	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0

Remarks:

Exhibit P-18 Initial and Replenishment Spare and Repair Parts Justification					Date: FEBRUARY 2011					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/0610MH47			Weapon System		P-1 Line Item Nomenclature MH-47 Chinook					
End Item P-1 Line Item	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
INITIAL										
1. MH-47 CHINOOK										
A. Initial Spares					2,857	19,030				21,887
TOTAL INITIAL					2,857	19,030				21,887
LINE ITEM TOTAL					2,857	19,030				21,887

Remarks: Funded Initial Spares: $21,887K

Repair Turnaround Time = Various

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BUDGET ITEM JUSTIFICATION SHEET							DATE FEBRUARY 2011	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE RQ-11 UNMANNED AERIAL VEHICLE					
	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY								
COST (In Millions $)			2.090	0.486	12.267	1.148	2.120	2.156

MISSION AND DESCRIPTION: The RQ-11 Small Unmanned Aerial Systems (SUAS) line item provides funding to acquire and support Special Operations Forces (SOF)-unique Air Vehicles, Ground Control Stations, Payloads, and Precision Guided Munitions. These SUAS 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 and targets. USSOCOM requires the capability to find, fix, and finish time-sensitive high-value fixed and fleeting targets at the unit and team level without placing personnel and units in harms way. 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 Reconnaissance, Intelligence, Surveillance, and Target Acquisition.

FY 2012 PROGRAM JUSTIFICATION: Procures one SOF-unique SUAS.

Exhibit P-40A, Budget Item Justification for Aggregated Items RQ-11 Unmanned Aerial Vehicle					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PYs		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
RQ-11 Unmanned Aerial Vehicle (UAV)										
1. Small Unmanned Aerial System	AeroVironment, Simi Valley, CA						5	2,090	1	486
LINE ITEM TOTAL			0	0	0	0	5	2,090	1	486

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2011				
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2				P-1 ITEM NOMENCLATURE CV-22 MODIFICATION						
	Prior Years	FY 2010	FY 2011	FY 2012 Baseline	FY 2012 OCO	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY	28	5	5	5	1	6	4	3		
COST (In Millions $)	1,036.563	115.382	124.035	118.002	15.000	133.002	121.711	88.981	11.285	6.402

MISSION AND DESCRIPTION: The CV-22 Modification line item funds the SOF variant of the V-22 Vertical medium 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 upgrades 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 systems, terrain following/terrain avoidance radar, SOF 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 2012 PROGRAM JUSTIFICATION: Funds MFP-11 costs associated with the production of five CV-22 aircraft in FY 2012 as well as the next increment of the USSOCOM share of long-lead parts and materiel in support of the Joint V-22 multi-year procurement program. Also funds peculiar mission kits, peculiar training equipment, peculiar support equipment, and initial spares, as well as program office, engineering and logistics support associated with the production program. Funds 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 Exhibit P-5 for details).

The FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Funds the cost for the Special Operations-Peculiar content of the CV-22 aircraft lost in combat operations in April 2010.

BUDGET ITEM JUSTIFICATION SHEET		DATE: FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE / 2	P-1 ITEM NOMENCLATURE CV-22 MODIFICATION	

MODIFICATION SUMMARY

DESCRIPTION	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
1. CV-22 Aircraft Block 10	31.392	15.115	2.503	1.192				
2. CV-22 Aircraft Low Cost Modifications	7.63	0.488	0.327	1.844	1.771	1.801	1.832	1.850
3. CV-22 Aircraft Block 20				0.887	4.328	4.401	4.476	4.552
SUBTOTAL FOR MODS	**39.022**	**15.603**	**2.830**	**3.923**	**6.099**	**6.202**	**6.308**	**6.402**

Exhibit P-10, Advance Procurement Requirements Analysis (Page 1 - Funding)														Date: FEBRUARY 2011	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number SOCOM Procurement (0300,4CSW)														P-1 Line Item Nomenclature CV-22 Modification	
Weapon System CV-22				First system (BY1) Award and Completion Date Nov 13/Jan 15										Interval between Systems 2 Months	
($ in Millions)															
	PLT	When Required	PYS	FY10	FY11	FY12 Base	FY12 OCO	FY12 Total	FY13	FY14	FY15	FY16		To Complete	Total
End Item Qty			28	5	5	5	1	6	4	3					51
			(*2-AF RDT&E)												
Airframe	32	12	96.014	4.399	4.343	2.855	0.000	2.855	2.215						112.681
Total AP			96.014	4.399	4.343	2.855	0.000	2.855	2.215						112.681

Description:
FY 2012 funding is required to procure the next increment of the USSOCOM share of long-lead time materiel in support of the CV-22.

Exhibit P-5 Cost Analysis AVIATION	Weapon System				Date: FEBRUARY 2011			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA-2/1000CV2200			ID Code		P-1 Line Item Nomenclature CV-22 MODIFICATION			
WBS COST ELEMENTS	Prior Years		FY 2010		FY 2011		FY 2012	
(Tailor to System/Item Rqmts)	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. Flyaway Cost								
A. Airframe / CFE		336,877		80,585		86,472		73,944
B. GFE Electronics		74,605		1,034		1,055		1,076
C. Supplemental/Overseas Contingency Operations		98,240						15,000
Subtotal	19,606	509,722	16,324	81,619	17,505	87,527	15,003	90,020
2. Advance Procurement		96,014		4,399		4,343		2,855
3. Support Cost								
A. Peculiar Training Equipment		38,064		11,288		4,813		2,735
B. Peculiar Support Equipment		12,616		1,404		5,580		4,793
C. Other ILS / Program Management		127,980		2,145		8,489		9,115
D. Interim Contractor Support		79,515		0				
E. Initial Spares		114,704		20,561		28,184		33,996
F. Supplemental		72,430						
Subtotal		445,309		35,398		47,066		50,639
4. Advance Procurement Credit		-53,504		-21,637		-17,731		-14,435
5. Modifications		39,022		15,603		2,830		3,923
LINE ITEM TOTAL		1,036,563		115,382		124,035		133,002

A. DATE: FEBRUARY 2011									
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE, 0300, BA-2				C. P-1 ITEM NOMENCLATURE CV-22 MOD IFICATION					
				Contract			Date of	Tech Data	Date
WBS COST ELEMENTS Tailor		Unit	Location of	Method and	Contractor	Award	First	Available	Revisions
to System/Item Requirements	Qty	Cost	PCO	Type	and Location	Date	Delivery	Now?	Avail
1. CV-22									
A. Aircraft									
FY09 Lot 13 Aircraft Buy	6	18,702	NAVAIR/PMA-275, NAS Patuxent River, MD	SS/FPIF	Bell-Boeing, Amarillo, TX	Nov-08	Feb-11	Yes	
FY10 Lot 14 Aircraft Buy	5	16,324	NAVAIR/PMA-275, NAS Patuxent River, MD	SS/FPIF	Bell-Boeing, Amarillo, TX	Nov-09	Feb-12	Yes	
FY11 Lot 15 Aircraft Buy	5	17,505	NAVAIR/PMA-275, NAS Patuxent River, MD	SS/FPIF	Bell-Boeing, Amarillo, TX	Nov-10	May-13	Yes	
FY12 Lot 16 Base Aircraft Buy	5	15,003	NAVAIR/PMA-275, NAS Patuxent River, MD	SS/FPIF	Bell-Boeing, Amarillo, TX	Nov-11	Jan-14	Yes	
FY12 Lot 16 OCO Aircraft Buy	1	15,000	NAVAIR/PMA-275, NAS Patuxent River, MD	SS/FPIF	Bell-Boeing, Amarillo, TX	Aug-12	Mar-16	Yes	
FY13 Lot 17 Aircraft Buy	4	16,348	NAVAIR/PMA-275, NAS Patuxent River, MD	SS/FPIF	Bell-Boeing, Amarillo, TX	Nov-12	Jan-15	Yes	
FY14 Lot 18 Aircraft Buy	3	16,761	NAVAIR/PMA-275, NAS Patuxent River, MD	SS/FPIF	Bell-Boeing, Amarillo, TX	Nov-13	Jan-16	Yes	

Exhibit P-21, Production Schedule																															
Appropriation (Treasury) Code/CC/BA/BSA/Item Control - 0300/BA2/1000CV2200					Weapon System: CV-22														P-1 Line Item Nomenclature CV-22 MODIFICATION													
					PRODUCTION RATE														PROCUREMENT LEAD TIMES													
Item	Manufacturer's Name and Location				MSR		ECON		MAX		ALT Prior to Oct 1		ALT After Oct 1		Initial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure											
CV-22 (Osprey)	Bell-Boeing, Paxutent River, MD				11		32		41		0		2		36		24		26		Each											
					FISCAL YEAR 04														FISCAL YEAR 05													
					CALENDAR YEAR 04														CALENDAR YEAR 05													
ITEM/MANUFACTURER/ PROCUREMENT YEAR	FY	SVC	QTY	DELIVERIES PRIOR TO 1 OCT 2003	BALANCE DUE AS OF 1 OCT 2003	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
CV-22, Bell-Boeing, FY02	02	AF	2	0	2																								1	1
CV-22, Bell-Boeing, FY04	04	AF	2	0	2								A																	2
CV-22, Bell-Boeing, FY05	05	AF	3	0	3																A									3
CV-22, Bell-Boeing, FY06	06	AF	2	0	2																									2
CV-22, Bell-Boeing, FY07	07	AF	2	0	2																									2
CV-22, Bell-Boeing, FY07 - Supplement/OCO	07	AF	1	0	1																									1
CV-22, Bell-Boeing, FY08	08	AF	5	0	5																									5
CV-22, Bell-Boeing, FY08 - Supplement/OCO	08	AF	5	0	5																									5
CV-22, Bell-Boeing, FY09	09	AF	6	0	6																									6
CV-22, Bell-Boeing, FY10	10	AF	5	0	5																									5
CV-22, Bell-Boeing, FY11	11	AF	5	0	5																									5
CV-22, Bell-Boeing, FY12	12	AF	5	0	5																									5
CV-22, Bell-Boeing, FY12 - Supplement/OCO	12	AF	1	0	1																									1
CV-22, Bell-Boeing, FY13	13	AF	4	0	4																									4
CV-22, Bell-Boeing, FY14	14	AF	3	0	3																									3
		Total:	51	0	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	50

REMARKS: 1) FY 2002 production representative test vehicles (PRTVs) purchased with Air Force RDT&E funding. 2) No aircraft procured in FY03. 3) No Adv Proc funding is appropriated for FY07/FY08/FY12 supplemental aircraft. Aircraft are fully funded in year of execution, causing lengthier production leadtime for the seven supplemental aircraft.

						FISCAL YEAR 06													FISCAL YEAR 07													
						CALENDAR YEAR 06													CALENDAR YEAR 07													
ITEM/MANUFACTURER/ PROCUREMENT YEAR	FY	SVC	QTY	DELIVERIES PRIOR TO 1 OCT 2005	BALANCE DUE AS OF 1 OCT 2005	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
CV-22, Bell-Boeing, FY02	02	AF	2	1	1	1																								0
CV-22, Bell-Boeing, FY04	04	AF	2	0	2						1		1																	0
CV-22, Bell-Boeing, FY05	05	AF	3	0	3															1				1			1			0
CV-22, Bell-Boeing, FY06	06	AF	2	0	2					A																				2
CV-22, Bell-Boeing, FY07	07	AF	2	0	2																				A					2
CV-22, Bell-Boeing, FY07 - Supplement/OCO	07	AF	1	0	1																							A		1
CV-22, Bell-Boeing, FY08	08	AF	5	0	5																									5
CV-22, Bell-Boeing, FY08 - Supplement/OCO	08	AF	5	0	5																									5
CV-22, Bell-Boeing, FY09	09	AF	6	0	6																									6
CV-22, Bell-Boeing, FY10	10	AF	5	0	5																									5
CV-22, Bell-Boeing, FY11	11	AF	5	0	5																									5
CV-22, Bell-Boeing, FY12	12	AF	5	0	5																									5
CV-22, Bell-Boeing, FY12 - Supplement/OCO	12	AF	1	0	1																									1
CV-22, Bell-Boeing, FY13	13	AF	4	0	4																									4
CV-22, Bell-Boeing, FY14	14	AF	3	0	3																									3
		Total:	51	1	50	1	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	44

Exhibit P-21, Production Schedule																			DATE: FEBRUARY 2011											
Appropriation (Treasury) Code/CC/BA/BSA/Item Control - 0300/BA2/1000CV2200						Weapon System: CV-22													P-1 Line Item Nomenclature CV-22 MODIFICATION											
						PRODUCTION RATE													PROCUREMENT LEAD TIMES											
Item	Manufacturer's Name and Location					MSR		ECON		MAX		ALT Prior to Oct 1		ALT After Oct 1		Initial Mfg PLT			Reorder Mfg PLT			Total			Unit of Measure					
CV-22 (Osprey)	Bell-Boeing, Paxutent River, MD					11		32		41		0		2		36			24			26			Each					
						FISCAL YEAR 08													FISCAL YEAR 09											
						CALENDAR YEAR 08													CALENDAR YEAR 09											
ITEM/MANUFACTURER/ PROCUREMENT YEAR	FY	SVC	QTY	DELIVERIES PRIOR TO 1 OCT 2007	BALANCE DUE AS OF 1 OCT 2007	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
CV-22, Bell-Boeing, FY02	02	AF	2	2	0																									0
CV-22, Bell-Boeing, FY04	04	AF	2	2	0																									0
CV-22, Bell-Boeing, FY05	05	AF	3	3	0																									0
CV-22, Bell-Boeing, FY06	06	AF	2	0	2				1						1															0
CV-22, Bell-Boeing, FY07	07	AF	2	0	2															1					1					0
CV-22, Bell-Boeing, FY07 - Supplement/OCO	07	AF	1	0	1																									1
CV-22, Bell-Boeing, FY08	08	AF	5	0	5						A																			5
CV-22, Bell-Boeing, FY08 - Supplement/OCO	08	AF	5	0	5												A													5
CV-22, Bell-Boeing, FY09	09	AF	6	0	6														A											6
CV-22, Bell-Boeing, FY10	10	AF	5	0	5																									5
CV-22, Bell-Boeing, FY11	11	AF	5	0	5																									5
CV-22, Bell-Boeing, FY12	12	AF	5	0	5																									5
CV-22, Bell-Boeing, FY12 - Supplement/OCO	12	AF	1	0	1																									1
CV-22, Bell-Boeing, FY13	13	AF	4	0	4																									4
CV-22, Bell-Boeing, FY14	14	AF	3	0	3																									3
		Total:	51	7	44	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	40

REMARKS: 1) FY 2002 production representative test vehicles (PRTVs) purchased with Air Force RDT&E funding. 2) No aircraft procured in FY03. 3) No Adv Proc funding is appropriated for FY07/FY08/FY12 supplemental aircraft. Aircraft are fully funded in year of execution, causing lengthier production leadtime for the seven supplemental aircraft.

						FISCAL YEAR 10													FISCAL YEAR 11											
						CALENDAR YEAR 10													CALENDAR YEAR 11											
ITEM/MANUFACTURER/ PROCUREMENT YEAR	FY	SVC	QTY	DELIVERIES PRIOR TO 1 OCT 2009	BALANCE DUE AS OF 1 OCT 2009	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
CV-22, Bell-Boeing, FY02	02	AF	2	2	0																									0
CV-22, Bell-Boeing, FY04	04	AF	2	2	0																									0
CV-22, Bell-Boeing, FY05	05	AF	3	3	0																									0
CV-22, Bell-Boeing, FY06	06	AF	2	2	0																									0
CV-22, Bell-Boeing, FY07	07	AF	2	2	0																									0
CV-22, Bell-Boeing, FY07 - Supplement/OCO	07	AF	1	0	1															1										0
CV-22, Bell-Boeing, FY08	08	AF	5	0	5			1			1		1		1		1													0
CV-22, Bell-Boeing, FY08 - Supplement/OCO	08	AF	5	0	5																									5
CV-22, Bell-Boeing, FY09	09	AF	6	0	6																	1		1		1		1		2
CV-22, Bell-Boeing, FY10	10	AF	5	0	5		A																							5
CV-22, Bell-Boeing, FY11	11	AF	5	0	5														A											5
CV-22, Bell-Boeing, FY12	12	AF	5	0	5																									5
CV-22, Bell-Boeing, FY12 - Supplement/OCO	12	AF	1	0	1																									1
CV-22, Bell-Boeing, FY13	13	AF	4	0	4																									4
CV-22, Bell-Boeing, FY14	14	AF	3	0	3																									3
		Total:	51	11	40	0	0	1	0	0	1	0	1	0	1	0	1	0	0	1	0	1	0	1	0	1	0	1	0	30

Exhibit P-21, Production Schedule		DATE: FEBRUARY 2011
Appropriation (Treasury) Code/CC/BA/BSA/Item Control - 0300/BA2/1000CV2200	Weapon System: CV-22	P-1 Line Item Nomenclature CV-22 MODIFICATION

Item	Manufacturer's Name and Location	PRODUCTION RATE MSR	ECON	MAX	PROCUREMENT LEAD TIMES ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
CV-22 (Osprey)	Bell-Boeing, Paxutent River, MD	11	32	41	0	2	36	24	26	Each

						FISCAL YEAR 12												FISCAL YEAR 13												
									CALENDAR YEAR 12												CALENDAR YEAR 13									
ITEM/MANUFACTURER/ PROCUREMENT YEAR	FY	SVC	QTY	DELIVERIES PRIOR TO 1 OCT 2011	BALANCE DUE AS OF 1 OCT 2011	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
CV-22, Bell-Boeing, FY02	02	AF	2	2	0																									0
CV-22, Bell-Boeing, FY04	04	AF	2	2	0																									0
CV-22, Bell-Boeing, FY05	05	AF	3	3	0																									0
CV-22, Bell-Boeing, FY06	06	AF	2	2	0																									0
CV-22, Bell-Boeing, FY07	07	AF	2	2	0																									0
CV-22, Bell-Boeing, FY07 - Supplement/OCO	07	AF	1	1	0																									0
CV-22, Bell-Boeing, FY08	08	AF	5	5	0																									0
CV-22, Bell-Boeing, FY08 - Supplement/OCO	08	AF	5	0	5								1				1		1			1	1							0
CV-22, Bell-Boeing, FY09	09	AF	6	4	2	1		1																						0
CV-22, Bell-Boeing, FY10	10	AF	5	0	5					1			1		1	1		1												0
CV-22, Bell-Boeing, FY11	11	AF	5	0	5																				1	1		1	1	1
CV-22, Bell-Boeing, FY12	12	AF	5	0	5		A																							5
CV-22, Bell-Boeing, FY12 - Supplement/OCO	12	AF	1	0	1											A														1
CV-22, Bell-Boeing, FY13	13	AF	4	0	4														A											4
CV-22, Bell-Boeing, FY14	14	AF	3	0	3																									3
		Total:	51	21	30	1	0	1	0	1	0	0	2	0	1	1	1	1	1	0	0	1	1	0	1	1	0	1	1	14

						FISCAL YEAR 14												FISCAL YEAR 15												
									CALENDAR YEAR 14												CALENDAR YEAR 15									
ITEM/MANUFACTURER/ PROCUREMENT YEAR	FY	SVC	QTY	DELIVERIES PRIOR TO 1 OCT 2013	BALANCE DUE AS OF 1 OCT 2013	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
CV-22, Bell-Boeing, FY02	02	AF	2	2	0																									0
CV-22, Bell-Boeing, FY04	04	AF	2	2	0																									0
CV-22, Bell-Boeing, FY05	05	AF	3	3	0																									0
CV-22, Bell-Boeing, FY06	06	AF	2	2	0																									0
CV-22, Bell-Boeing, FY07	07	AF	2	2	0																									0
CV-22, Bell-Boeing, FY07 - Supplement/OCO	07	AF	1	1	0																									0
CV-22, Bell-Boeing, FY08	08	AF	5	5	0																									0
CV-22, Bell0Boeing, FY08 - Supplement/OCO	08	AF	5	5	0																									0
CV-22, Bell-Boeing, FY09	09	AF	6	6	0																									0
CV-22, Bell-Boeing, FY10	10	AF	5	5	0																									0
CV-22, Bell-Boeing, FY11	11	AF	5	4	1		1																							0
CV-22, Bell-Boeing, FY12	12	AF	5	0	5				1			1		1		1	1													0
CV-22, Bell-Boeing, FY12 - Supplement/OCO	12	AF	1	0	1																									1
CV-22, Bell-Boeing, FY13	13	AF	4	0	4																1		1		1		1			0
CV-22, Bell-Boeing, FY14	14	AF	3	0	3		A																							3
		Total:	51	37	14	0	1	0	1	0	0	1	0	1	0	1	1	0	0	0	1	0	1	0	1	0	1	0	0	4

Exhibit P-21, Production Schedule																	DATE: FEBRUARY 2011												
Appropriation (Treasury) Code/CC/BA/BSA/Item Control - 0300/BA2/1000CV2200						Weapon System: CV-22											P-1 Line Item Nomenclature CV-22 MODIFICATION												
						PRODUCTION RATE											PROCUREMENT LEAD TIMES												
Item	Manufacturer's Name and Location					MSR		ECON		MAX		ALT Prior to Oct 1		ALT After Oct 1		Initial Mfg PLT		Reorder Mfg PLT		Total		Unit of Measure							
CV-22 (Osprey)	Bell-Boeing, Paxutent River, MD					11		32		41		0		2		36		24		26		Each							
						FISCAL YEAR 16												FISCAL YEAR 17												
						CALENDAR YEAR 16												CALENDAR YEAR 17												
ITEM/MANUFACTURER/ PROCUREMENT YEAR	FY	SVC	QTY	DELIVERIES PRIOR TO 1 OCT 2015	BALANCE DUE AS OF 1 OCT 2015	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
CV-22, Bell-Boeing, FY02	02	AF	2	2	0																									0
CV-22, Bell-Boeing, FY04	04	AF	2	2	0																									0
CV-22, Bell-Boeing, FY05	05	AF	3	3	0																									0
CV-22, Bell-Boeing, FY06	06	AF	2	2	0																									0
CV-22, Bell-Boeing, FY07	07	AF	2	2	0																									0
CV-22, Bell-Boeing, FY07 - Supplement/OCO	07	AF	1	1	0																									0
CV-22, Bell-Boeing, FY08	08	AF	5	5	0																									0
CV-22, Bell-Boeing, FY08 - Supplement/OCO	08	AF	5	5	0																									0
CV-22, Bell-Boeing, FY09	09	AF	6	6	0																									0
CV-22, Bell-Boeing, FY10	10	AF	5	5	0																									0
CV-22, Bell-Boeing, FY11	11	AF	5	5	0																									0
CV-22, Bell-Boeing, FY12	12	AF	5	5	0																									0
CV-22, Bell-Boeing, FY12 - Supplement/OCO	12	AF	1	0	1						1																			0
CV-22, Bell-Boeing, FY13	13	AF	4	4	0																									0
CV-22, Bell-Boeing, FY14	14	AF	3	0	3				1				1				1													0
		Total:	51	47	4	0	0	0	1	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

Exhibit P-18 Initial and Replenishment Spare and Repair Parts Justification						Date: FEBRUARY 2011					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/1000CV2200				Weapon System		P-1 Line Item Nomenclature CV-22 MODIFICATION					
End Item P-1 Line Item		Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
INITIAL											
CV-22 (SOF Unique)		114,704	20,561	28,184	33,996	31,278	18,051	4,977			251,751
TOTAL INITIAL		114,704	20,561	28,184	33,996	31,278	18,051	4,977			251,751
REPLENISHMENT											
TOTAL REPLENISHMENT											
LINE ITEM TOTAL		114,704	20,561	28,184	33,996	31,278	18,051	4,977	0		251,751

NOTE: Does not include $80,087K initial spares funded in prior year OCO funding.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE MQ-1 UNMANNED AERIAL VEHICLE

	Prior Years	FY 2010	FY 2011 Baseline	FY 2011 OCO	FY 2011 Total Request	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY										
COST (In millions $)		8.896	1.948	8.202	10.150	3.025	3.913	3.732	4.236	5.238

MISSION AND DESCRIPTION: The MQ-1 Unmanned Aerial Vehicle (UAV) line item provides funding to acquire and support Special Operations Forces (SOF)-unique mission kits for the MQ-1 series of UAV as part of the Medium Altitude Long Endurance Tactical (MALET) Program. These mission kits enable SOF forces to meet continually evolving mission requirements. USSOCOM is designated as the DOD lead for planning, synchronizing, and as directed, executing Overseas Contingency Operations against terrorist networks. As the supported combatant command executing these operations, USSOCOM requires the capability to find, fix, finish, exploit, and analyze 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 2012 PROGRAM JUSTIFICATION: Procures SOF-unique mission kits for the MQ-1 UAV.

Exhibit P-5 Cost Analysis AVIATION	Weapon System				Date: FEBRUARY 2011			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA 2/1108MQ1				ID Code	P-1 Line Item Nomenclature MQ-1 Unmanned Aerial Vehicle			
WBS COST ELEMENTS	Prior Years		FY 2010		FY 2011		FY 2012	
Tailor to System/Item Rqmts	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. MQ-1 Unmanned Aerial Vehicle (UAV)								
A. Mission Kits and Integration			Various	8.506	Various	1.275	Various	2.339
B. Production Support				0.390		0.673		0.686
2. Supplemental/Overseas Contingency Operations								
A. Mission Kits and Integration						8.202		
LINE ITEM TOTAL				8.896		10.150		3.025

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE MQ-9 UNMANNED AERIAL VEHICLE

	Prior Years	FY 2010	FY 2011 Baseline	FY 2011 OCO	FY 2011 Total Request	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY										
COST (In Millions $)		12.632	1.965	4.368	6.333	3.024	3.902	4.683	4.246	5.250

MISSION AND DESCRIPTION: The MQ-9 Unmanned Aerial Vehicle (UAV) line item provides funding to acquire and support Special Operations Forces (SOF)-unique mission kits for the MQ-9 UAV as part of the Medium Altitude Long Endurance Tactical (MALET) program. These mission kits enable SOF to meet continually evolving mission requirements. USSOCOM is designated as the DoD lead for planning, synchronizing, and as directed, executing Overseas Contingency Operations against terrorist networks. As the supported combatant command executing these operations, USSOCOM requires the capability to find, fix, finish, exploit, and analyze 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 2012 PROGRAM JUSTIFICATION: Procures SOF-unique mission kits for the MQ-9 UAV.

Exhibit P-5 Cost Analysis AVIATION	Weapon System				Date: FEBRUARY 2011			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA 2/1108MQ9				ID Code	P-1 Line Item Nomenclature MQ-9 Unmanned Aerial Vehicle			
WBS COST ELEMENTS	Prior Years		FY 2010		FY 2011		FY 2012	
(Tailor to System/Item Rqmts)	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. MQ-9 UAV								
A. Mission Kits and Integration			Various	12.189	Various	1.516	Various	2.567
B. Production Support				0.443		0.449		0.457
2. Supplemental/Overseas Contingency Operations								
A. Mission Kits and Integration						4.368		
LINE ITEM TOTAL				12.632		6.333		3.024

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2011		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE RQ-7 UNMANNED AERIAL VEHICLE					
	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY								
COST (In Millions $)				0.450	0.460	0.880	0.898	0.958

A new P-1 Line item was established in FY 2012 for RQ-7 Unmanned Aerial Vehicles (UAVs).

MISSION AND DESCRIPTION: The RQ-7 Unmanned Aerial Vehicles (UAV) line item provides funding to acquire and support Special Operations Forces (SOF) – unique mission kits for Groups 1 – 3 Unmanned Aircraft Systems (UAS). These mission kits enable SOF to meet continually evolving mission requirements. USSOCOM is designated as the DoD lead for planning, synchronizing, and as directed, executing Overseas Contingency Operations (OCO) against terrorist networks. As the supported combatant command executing these operations, USSOCOM requires the capability to find, fix, finish, exploit, and analyze time-sensitive high-value targets. This line item addresses the primary areas of intelligence, surveillance, reconnaissance, and target acquisition. The associated RDT&E funds are in Program Element 1105233BB.

FY 2012 PROGRAM JUSTIFICATION: Procures SOF-unique mission kits for Groups 1 – 3 UAS. FY 2012 funds will procure the initial lot of mission kits. Quantities vary based on the type and cost of each mission kit geared to SOF's continually evolving mission requirements.

Exhibit P-40A, Budget Item Justification for Aggregated Items RQ-7 Unmanned Aerial Vehicle			Date: FEBRUARY 2011							
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	Prior Years		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. SOF-Unique Mission Kits Groups 1-3 UAV	TBD								Various	450
LINE ITEM TOTAL			0	0	0	0	0	0		450

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SMALL TACTICAL UNMANNED AERIAL SYSTEMS

	Prior Years	FY 2010 Baseline	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY								
COST (In Millions $)		12.185	12.148	12.276	12.782	12.999	13.220	13.444

MISSION AND DESCRIPTION: The Small Tactical Unmanned Aerial Systems (UAS) line item procures various expendable UAS and related sensor payloads for intelligence, surveillance, and reconnaissance, which allows for remotely controlled system emplacement and data infiltration. The associated RDT&E funds are in Program Element 0304210BB.

FY 2012 PROGRAM JUSTIFICATION: Procures 6 Medium/Long Range/Air Launched unmanned aircraft, 14 related UAS turrets/payloads, other sensor systems, and contingency items.

P-1 SHOPPING LIST, ITEM NO. 61

Exhibit P-40A, Budget Item Justification for Aggregated Items SMALL TACTICAL UNMANNED AERIAL SYSTEMS					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	CONTRACTOR AND	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	LOCATION	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Unmanned Aerial Systems	NAVAIR									
A. UAVs					7	4,482	4	640	6	6,046
B. Turrets/Payloads	NAVAIR				14	3,178	11	1,380	14	3,170
C. Ancillary Equipment					Various	4,525	Various	10,128	Various	3,060
Subtotal						12,185		12,148		12,276
				25,785						
Prior Year Funding										
LINE ITEM TOTAL				25,785		12,185		12,148		12,276

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2011		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE AC/MC-130J					
	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY								
COST (In Millions $)				74.891	50.226	55.101	64.556	3.370

A new P-1 Line Item was established beginning in FY 2012 for AC/MC-130J aircraft. Resources were moved from the SOF C-130 Recapitalization Modifications P-1 Line item.

MISSION AND DESCRIPTION: The AC/MC-130J line funds the replacement of aging airframes: 14 MC-130E Combat Talon I, 23 MC-130P Combat Shadow, and 8 AC-130H Spectre. The 8 AC-130H Spectre airframes will be replaced with 16 MC-130J aircraft modified with the Precision Strike Package (PSP) to achieve the AC-130J configuration. These platforms 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; airdrop of leaflets, small special operations teams, resupply bundles and combat rubber raiding craft; and Close Air Support (CAS), air interdiction, armed reconnaissance, escort, and force protection-integrated air defense. 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 Special Operations Forces (SOF)-peculiar systems such as unique publications, survivability systems, cargo handling provisions, variable speed refueling drogue, situational awareness systems, navigation systems, PSP Group A kits, and crew provisions. The SOF-peculiar systems will be procured in increments, with non-recurring engineering (NRE) as required for each baseline. The associated RDT&E funds are in Program Element 1160403BB and 1160429BB.

FY 2012 PROGRAM JUSTIFICATION: Continues NRE and integration for MC-130J aircraft. Initiates production-line SOF-peculiar upgrades for six MC-130J aircraft and retrofit of two previously delivered aircraft. Initiates NRE and integration for one MC-130J aircraft modification to the AC-130J configuration.

BUDGET ITEM JUSTIFICATION SHEET		DATE: FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE / 2	P-1 ITEM NOMENCLATURE AC/MC-130J	

MODIFICATION SUMMARY

DESCRIPTION	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
1. MC-130J (Inc 3 Retrofit)				7.782	17.461			
2. AC-130J (Inc 3 & Inc 4 Retrofit)				36.972	11.483	34.737	34.670	2.886
SUBTOTAL FOR MODS		**0.000**	**0.000**	**44.754**	**28.944**	**34.737**	**34.670**	**2.886**

MODELS OF SYSTEMS AFFECTED: MC-130J   TYPE MODIFICATION: System Upgrade   MODIFICATION TITLE: MC-130J (Inc 3 Retrofit)

DESCRIPTION/JUSTIFICATION: MC-130J SOF unique modifications will be procured using an incremental strategy in conjunction with the Air Force's HC/MC-130J Recapitalization Program. As additional SOF unique requirements are developed, they are inserted into the production line. This modification program retrofits those capabilities into fielded MC-130J aircraft. Increment 3 retrofit will be in conjunction with the kits and installed by contractor field team. Note: Installation cost is included in kit cost.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

NRE Contract Award: 2nd quarter FY12   Critical Design Review: 2nd qtr FY12   Trial Kit Installation: 4th qtr FY12

FINANCIAL PLAN: (TOA, $ in Millions)

	Prior Yrs		FY09		FY10		FY11		FY12		FY13		FY14		FY15		FY16		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
																					0	0.0
																					0	0.0
																					0	0.0
Retrofit NRE										1.9		2.8									0	4.7
Increment 3 Kit (Inc 1 baseline)																			10	38.0	10	38.0
Increment 3 Kit (Inc 2 baseline)									2	5.9	5	14.7							9	26.5	16	47.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
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																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
Production Installs																					0	0.0
Total Proc	0	0.0	0	0.0	0	0.0	0	0.0	2	7.8	5	17.5	0	0.0	0	0.0	0	0.0	19	64.5	26	89.7

MODELS OF SYSTEMS AFFECTED: AC-130J TYPE MODIFICATION: System Upgrade MODIFICATION TITLE: AC-130J (Inc 3 & 4 Retrofit)

DESCRIPTION/JUSTIFICATION: This modification program installs Precision Strike Package infrastructure kits onto 16 of the 53 MC-130J aircraft to make the AC-130J configuration. Note: Installation cost included in kit cost.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

NRE Contract Award: 2nd quarter FY12 Critical Design Review: 4th qtr FY12 Trial Kit Installation: 3rd qtr FY13

FINANCIAL PLAN: (TOA, $ in Millions)

	Prior Yrs		FY09		FY10		FY11		FY12		FY13		FY14		FY15		FY16		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
																					0	0.0
																					0	0.0
Inc 3 Retrofit													3	8.6							3	8.6
																					0	0.0
NRE Inc 4										32.6		5.9		6.4		4.7					0	49.6
																					0	0.0
																					0	0.0
Inc 4 Retrofit													5	15.5	8	24.8					13	40.3
																					0	0.0
																					0	0.0
Other Govt Costs										4.4		5.6		4.1		5.2		2.9			0	22.2
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
Production Installs																					0	0.0
Total Proc	0	0.0	0	0.0	0	0.0	0	0.0	0	37.0	0	11.5	8	34.6	8	34.7	0	2.9	0	0.0	16	120.7

Exhibit P-5 Cost Analysis AVIATION	Weapon System				Date: FEBURARY 2011			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA 2/0606MC130J				ID Code	P-1 Line Item Nomenclature AC/MC-130J			
WBS COST ELEMENTS	Prior Years		FY 2010		FY 2011		FY 2012	
(Tailor to System/Item Rqmts	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. Flyaway costs								
A. SOF MC-130J Airframe							2,930	17,585
2. Non-Recurring Engineering								10,608
3. Production Enginering Support								1,944
4. Modifications								
A. SOF MC-130J								7,782
B. SOF AC-130J								36,972
LINE ITEM TOTAL		0		0		0		74,891

Note:

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BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS

	Prior Years	FY 2010 Baseline	FY 2010 Supp	FY 2010 Total Request	FY 2011	FY 2012 Baseline	FY 2012 OCO	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY												
COST (In Millions $)	2011.988	223.253	19.500	242.753	22.500	19.665	4.800	24.465	16.723	13.061	40.836	41.555

MISSION AND DESCRIPTION: The C-130 Modifications line item provides for SOF-unique 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 evaluation of emerging technologies. This P-1 line item received FY 2007, FY 2008, FY 2009, and FY 2010 Supplemental funds. The associated RDT&E funds are in Program Elements 1160403BB, 1160404BB, and 1160425BB.

Modifications are as follows:

1. APQ-170 Service Life Extension Program. Procures non-recurring engineering, kits and installation for the AN/APQ-170 Terrain Following/Terrain Avoidance (TF/TA) 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.

FY 2012 PROGRAM JUSTIFICATION: Procures six production kits and required spares/shipsets (see Exhibit P-3A for details).

2. C-130 Low Cost Modifications. Minor modifications to MC-130E/H/P/W, AC-130H/U and EC-130J SOF-unique equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission enhancements. Modifications planned, but not limited to, include: radar upgrades, avionics upgrades, AC-130H Air Data Computer Replacement, AC-130H Gun Control Panel, AC-130H/U Machine to Machine Situational Awareness (M2MSA) Server Upgrade, AC-130H/U gun system improvements, AC-130H/U engine IR tub upgrades, AC-130U BMC gooseneck light replacement, loadmaster restraint system, AAQ-24/ALE-47 flare dispensing integration, aircraft wireless intercom system, display upgrades, lightweight armor, AC-130H/U aft scanner station replacement, MC-130H ALR-69 safety wire clip installation, MC-130H electronic noise reduction, EC-130J Air Force Tactical Receiver System (AFTRS-R), and EC-130J Special Mission

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS

Equipment frequency converter retrofit.

FY 2012 PROGRAM JUSTIFICATION: Continues minor upgrades/modifications to SOF C-130 equipment.

3. AC-130H Overt Signaling Device. This device is a laser, used for overt signaling. In FY 2009, five AC-130H's were modified with these devices to fulfill a Combat Mission Needs Statement.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures four installation kits, required spares, and technical orders to permanently modify all other AC-130H aircraft with an overt signaling device.

4. AC-130U and MC-130H Center Wing Replacement. This modification incorporates enhanced center wings on SOF C-130s. These wings are modified to support more stringent SOF operations.

FY 2012 PROGRAM JUSTIFICATION: Continues replacing center wing boxes on three MC-130H Combat Talon IIs and two AC-130U Gunships.

5. EC-130J Low Cost Modifications. Modifies three EC-130J aircraft equipped with high powered transmitters and antenna arrays for broadcasting radio and television in support of Military Information Support Operations (MISO), formerly Psychological Operations.

FY 2012 PROGRAM JUSTIFICATION: Completes modifications and upgrades of equipment. Funds requirements (safety, corrosion, avionics updates, etc.) not known in advance that occur from operations. Retrofits SOF-unique applications of C-130J Block Cycle Upgrade.

6. C-130 Aircrew Situational Awareness System (ASAS). Installation of Intelligence Broadcast Receiver (IBR) on MC-130W, to include interface with Dragon Spear Mission Operator Pallet.

7. Precision Strike Package (PSP) MC-130W Multi-Mission Modifications. This program fulfilled an urgent requirement to rapidly arm and field multi-mission precision strike platforms. Provided an armed over-watch capability including sensors, communication systems, precision guided munitions, and a single medium-caliber gun.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS

8. AC-130U Gun Modifications. This modification equipped and sustained the gun systems on the AC-130U aircraft.

9. AC-130U Gunship Multispectral Sensor 2. This modification replaced deficient All Light Level TV Multispectral sensors.

10. MC-130P Dual Rails. Procured and installed 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.

11. C-130 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.

12. C-130 Terrain Following Radar System. This program will incorporate a TF/TA Radar to provide a multi-mode terrain following capability on C-130 platforms.

BUDGET ITEM JUSTIFICATION SHEET												DATE: FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE / 2				P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS								

MODIFICATION SUMMARY

DESCRIPTION	Prior Years	FY 2010 Baseline	FY 2010 Supp	FY 2010 Total Request	FY 2011	FY 2012 Baseline	FY 2012 OCO	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
1. APQ-170 Service Life Extension Program	22.218	11.023		11.023	5.759	10.463		10.463				
2. C-130 Low Cost Modifications	15.310	14.428		14.428	7.039	7.572		7.572	6.682	5.479	5.574	5.669
3. AC-130H Overt Signaling Device							4.800	4.800				
4. AC-130U & MC-130H Center Wing Replacement	27.285	1.369		1.369	2.691	1.580		1.580	0.732	0.501		
5. EC-130J Low Cost Modifications	46.841				0.804	0.050		0.050				
6. C-130 Aircrew Situational Awareness System (ASAS)		3.928		3.928	6.207							
7. Precision Strike Package MC-130W Multi-Mission Modifications	141.300	188.094		188.094								
8. AC-130U Gun Modifications	10.890		19.500	19.500								
9. AC-130U Gunship Multispectral Sensor 2	159.897	4.101		4.101								
10. MC-130P Dual Rails	13.001	0.310		0.310								
11. C-130 Avionics Modernization									9.309	6.083	10.995	11.183
12. C-130 Terrain Following Radar System										0.998	24.267	24.703
SUBTOTAL FOR MODS	**436.742**	**223.253**	**19.500**	**242.753**	**22.500**	**19.665**	**4.800**	**24.465**	**16.723**	**13.061**	**40.836**	**41.555**

MODELS OF SYSTEMS AFFECTED: MC-130H TYPE MODIFICATION: System Upgrade MODIFICATION TITLE: APQ-170 Service Life Extension Program (SLEP)

DESCRIPTION/JUSTIFICATION: Service Life Extension Program (SLEP) non-recurring engineering and kit procurement 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. Note: Trial Kit Retrofit to incorporate any changes required due to initial integration testing. There are no installation costs because aircraft installation will be performed as standard maintenance by Air Force personnel.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

NRE Contract Award: 3rd Qtr FY 2009 Critical Design Review: 4th Qtr FY 2009 Trial Kit Installation: 3rd Qtr FY 2010

FINANCIAL PLAN: (TOA, $ in Millions)

	Prior Yrs		FY09		FY10		FY11		FY12		FY13		FY14		FY15		FY16		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																					0	0.0
																					0	0.0
PROCUREMENT																					0	0.0
NRE	1	20.4		1.4																	1	21.8
Production Kits					8	7.1	5	3.8	6	7.1											19	18.0
Trial Kit Retrofit						0.6															0	0.6
Spares Shipsets						1.4		2.0		3.4											0	6.8
Production Support		0.4				0.3															0	0.7
Flight Test						1.6															0	1.6
																					0	0.0
																					0	0.0
																					0	0.0
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																					0	0.0
																					0	0.0
Production Installs																					0	0.0
Total Proc	1	20.8	0	1.4	8	11.0	5	5.8	6	10.5											20	49.5

Exhibit P-40A, Budget Item Justification for Aggregated Items C-130 MODIFICATIONS			Date: FEBRUARY 2011							
Appropriation/Budget Activity - 0300/BA2										
Procurement Items	Contractor and Location	ID Code	PYS		FY 2010		FY 2011		FY 2012	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
Modifications										
A. Baseline	Various			397,729		223,253		22,500		19,665
B. Supplemental/Overseas Contingency Operations				39,013		19,500				4,800
Subtotal				436,742		242,753		22,500		24,465
Prior Year Funding				1,575,246						
Line Item Total				2,011,988		242,753		22,500		24,465

Exhibit P-18 Initial and Replenishment Spare and Repair Parts Justification					Date: FEBRUARY 2011					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/5000C13000			Weapon System AC/MC-130		P-1 Line Item Nomenclature C-130 MODIFICATIONS					
C-130 MODIFICATIONS	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
INITIAL										
C-130 Aircraft Situational Awareness System		175	350							525
APQ-170 SLEP		1,400	1,952	3,400						6,752
Precision Strike Package MC-130W	22,445	6,005								28,450
LINE ITEM TOTAL	22,445	7,580	2,302	3,400	0	0	0	0		35,727

Remarks: Funded Initial Spares = $35,727
GMS-2 Repair Turnaround Time - 60 days

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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2011		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT					
	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY								
COST (In Millions $)	244.489	0.777	0.489	6.207	5.247	0.006 0.0	0.006	0.006

MISSION AND DESCRIPTION: The Aircraft Support line item provides various types of equipment required to support Special Operations Forces (SOF) fixed wing aircraft. No associated RDT&E funds.

Special Operations Wing (SOW) Support Equipment: Procures SOF-peculiar support equipment to satisfy SOF warfighting requirements identified by Air Force Special Operations Command flying squadrons.

FY 2012 PROGRAM JUSTIFICATION: Continues the funding of SOF unique support equipment, and modifies nine obsolete USM-643 Electrical Electronic Equipment Test Sets (EEETS) used to repair AC-130U gunship APQ-180 All Weather Striker Radars and MC-130H Combat Talon II APQ-170 Terrain Following/Avoidance radars.

Exhibit P-40A, Budget Item Justification for Aggregated Items AIRCRAFT SUPPORT			Date: FEBRUARY 2011							
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	Prior Years		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Special Operations Wing Support Equipment										
a. SOF-Unique Support Equipment						777		489		564
b. Radar Test Sets									9	5,643
Sub-Total						777		489		6,207
Prior Year Funding				244,489						
LINE ITEM TOTAL				244,489		777		489		6,207

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2011		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE UNDERWATER SYSTEMS					
	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
COST (In Millions $)				6.999	40.333	98.589	114.327	164.474

NOTE: Beginning in FY 2012, a new Underwater Systems P-1 line item was established to reflect the command's new Undersea Mobility Acquisition Strategy. FY 2012 resources were moved from the following P-1 line items: Joint Multi-Mission Submersible, Maritime Equipment, SEAL Delivery Vehicle and Maritime Equipment Modifications.

MISSION AND DESCRIPTION: The Underwater Systems line item procures a family of dry and wet combat submersibles, technology insertions for the SEAL Delivery Vehicle (SDV) fleet, and modifications to the Dry Deck Shelter (DDS). Acquisition programs of record that will continue are the Shallow Water Combat Submersible program, technology upgrades for the current SDV and modifications to the current DDS. SOF units require specialized underwater systems that improve their warfighting capability and survivability in harsh operating environments. Systems and equipment are used in the conduct of infiltration/extraction, reconnaissance, beach obstacle clearance, and other missions. The capabilities of submersible systems and unique equipment provides small, highly trained forces the ability to successfully engage the enemy and conduct operations associated with SOF maritime missions. The associated RDT&E funds are in Program Element 1160483BB.

1. DDS. The DDS is a certified diving system that attaches to modified host submarines. Program provides certification, field changes, and modifications for the DDS. (Prior year funds were in SOF Maritime Equipment line.)

FY 2012 PROGRAM JUSTIFICATION: Funds major modification efforts for changes to the current class of DDS to accommodate larger combat submersibles. Modifications may include length extension, diameter increase, and/or other alterations to support varying sizes/shapes of combat submersibles, as well as alterations for various launch and recovery methods. Funding also continues engineering design, fabrication, assembly, acceptance, and testing for field change kits.

2. SDV. The SDV is a small battery-powered, free-flooding combat submersible that transports SOF personnel and their combat equipment in hostile waters. This program corrects sustainability and maintainability issues within subsystems in response to obsolescence of imbedded commercial-off-the-shelf (COTS) electronics hardware and software.

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2011		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE UNDERWATER SYSTEMS					
	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
COST (In Millions $)				6.999	40.333	98.589	114.327	164.474

FY 2012 PROGRAM JUSTIFICATION: Continues technology refresh and electronic upgrades for SDV fleet. Example of items required include, but are not limited to, improved sonar systems, increased battery performance, upgraded navigation and communications systems, and migration of Command Display Unit software/architecture to a Service Oriented Architecture.

Exhibit P-40A, Budget Item Justification for Aggregated Items UNDERWATER SYSTEMS					Date: February 2011					
Appropriation/Budget Activity - 0300/BA2										
Procurement Items	Contractor and Location	ID Code	PYS		FY2010		FY2011		FY2012	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Dry Deck Shelter Modifications/Field Changes	TBD									3,999
2. Seal Delivery Vehicle Engineering Changes/Obsolescence Parts	Various								13	3,000
LINE ITEM TOTAL				0		0		0		6,999

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BUDGET ITEM JUSTIFICATION SHEET							DATE FEBRUARY 2011	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SEAL DELIVERY VEHICLE					
	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	F 2014	FY 2015	FY 2016
QUANTITY								
COST (In Millions $)	88.769	1.458	.823					

NOTE: This program was subsumed under the Underwater Systems line item beginning in FY 2012.

MISSION AND DESCRIPTION: The Sea, Air, Land (SEAL) Delivery Vehicle (SDV) is a small battery-powered, free-flooding combat submersible that transports Special Operations Forces (SOF) personnel and their combat equipment in hostile waters. This 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 for next generation are in Program Element (PE) 1160483BB.

BUDGET ITEM JUSTIFICATION SHEET	DATE: FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE / 2	P-1 ITEM NOMENCLATURE SEAL DELIVERY VEHICLE

MODIFICATION SUMMARY

DESCRIPTION	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Prior Year Mods	80.684							
Sonar Engineering Changes	3.573							
Compass Engineering Change	1.215							
Propeller Engineering Change	0.176							
Diver Thermal Hardware Change		0.199						
Obsolescence Efforts	3.121	1.259	0.823					
SUBTOTAL FOR MODS	**88.769**	**1.458**	**0.823**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**

BUDGET ITEM JUSTIFICATION SHEET											DATE FEBRUARY 2011			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2					P-1 ITEM NOMENCLATURE ORDNANCE REPLENISHMENT									
COST (In Millions $)														
	Prior Years	FY 2010 Baseline	FY 2010 Supp	FY 2010 Total Request	FY 2011 Baseline	FY 2011 OCO	FY 2011 Total Request	FY 2012 Baseline	FY 2012 OCO	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY														
Cost (In millions $)	853.595	57.698	47.856	105.554	79.608	75.878	155.486	116.009	71.659	187.668	109.192	120.733	142.154	144.062

MISSION AND DESCRIPTION: The Ordnance Replenishment line 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.

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 was increased by FY 2008, FY 2009, and FY 2010 Supplemental funds.

FY 2012 PROGRAM JUSTIFICATION: Funding procures the following munitions: 40mm Cartridges (all types); Shotgun Cartridges; Handgun Cartridges (all types of 9MM); Rifle/Machine Gun Cartridges (all types of 5.56mm, 7.62mm, and .50 Caliber); Grenades (offensive and smoke); a variety of pyrotechnic signaling devices and demolition materiel consisting of training devices, explosives, firing devices, and accessories; blasting caps and initiators, underwater mines and components; and production engineering. Actual quantities vary depending on training requirements.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Replenishes ammunition expended in OEF and OIF. Requirements include 40mm Cartridges (all types), 7.62 Ball, .300 Match, 5.56 Ball, Trace, and linked ammunition. Inventory will not support current combat and training expenditure rates and requires replenishment to meet war reserves.

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 was increased by FY 2008, FY 2009, and FY 2010 Supplemental funds.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE ORDNANCE REPLENISHMENT

COST (In Millions $)

FY 2012 PROGRAM JUSTIFICATION: Procures 105mm HE, 105mm TP, SOPGM, and 25mm HEI ammunition.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Replenishes ammunition expended in OIF and OEF to required levels. Includes Stock Manufacturing and delivery of 105mm HF/HE ammunition and fuze, Stand-Off Precision Guided Munitions, and 25mm HEI ammunition.

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 was increased by FY 2008, FY 2009, and FY 2010 Supplemental funds.

FY 2012 PROGRAM JUSTIFICATION: Procures 300 Win Mag, 5.56mm, 7.62, Flash-Bang Grenades, 84mm MAAWS, Explosives, Aviation Ammo (2.75" 17-Lb Warhead Rockets and 7.62mm Dim Tracer), and associated munitions production engineering support.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Replenishes 5.56mm, 7.62, and .300 Win Mag rifle, .45cal handgun, rockets, various .84 MAAWS ammunitions, and grenades. Funding will allow for war expenditure requirements and lead times required to contract for ammunition.

4. Stand-Off Precision Guided Munitions (SOPGM). Procures SOPGM munition variants for SOF platforms to support armed over-watch capability on the battlefield and ensure sufficient munitions for war reserve and training requirements.

FY 2012 PROGRAM JUSTIFICATION: Procures additional SOPGMs needed to support armed over-watch capability on the battlefield as well as ensure sufficient war reserve and training requirements for SOF platforms.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Funding procures SOPGMs to support platform-independent precision strike packages in support of combat operations and to replenish war reserve requirements.

Exhibit P-40A, Budget Item Justification for Aggregated Items ORDNANCE REPLENISHMENT							Date: FEBRUARY 2011			
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PYS		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. NSW Munitions										
A. 40MM Cartridges (All types)			984,802	7,363	90,824	3,175	210,000	6,441		
B. LAW Rocket (Tact/Sub-Cal Trainer/Cart)			22,365		4,000	700	0	0		
C. Shotgun Cartridges (All types)			2,749,685				0	0	48,000	192
D. Handgun Cartridges (All types)			71,189,049	2,927	4,509,000	895	5,855,000	1,560	3,710	1
E. Rifle/Machine Gun Cartridges (All types)			204,657,602	29,247	18,515,360	16,896	18,022,480	18,617	8,033	11,488
F. Grenades Offensive/Smoke (All types)			253,836	881	0	169	25,088	988	49,315	2,160
G. Signals			84,992	177	0	4			5,000	165
H. Training Devices			364,262	1,096	55,000	1,893	70,050	1,222	1,873	339
I. Explosives, Firing Devices, and Accessories			244,236	2,101	28,077	9,087	17,800	4,958	1,585	65
J. Underwater Mines and Components			5,361		1,000	137	0	0	1,944	469
K. Production Engineering				2,495		2,283		2,541		2,679
L. MAAWS			4,638	2,852	120	474	0	0		
M. 60MM Cartridges (All types)					4,320	80				
N. Supplemental/Overseas Contingency Operations (OCO)										
(1) Handgun Cartridges (All types)					1,000,000	154				
(2) Rifle/Machin Gun Cartridges (All types)			825,600		4,700,000	3,388	6,279,120	13,981	12,556,720	17,653
(3) Explosives, Firing Devices, and Accessories			101,891				2,045	1,229		
(4) Grenades Offensive/Smoke (All types)			69,202							
(5) LAW Rocket			1,092							
(6) MAAWS			1,506							
(7) 40MM Cartridges (All types)									80,000	2,347
Subtotal				354,314		39,335		51,537		37,558
2. AFSOC Munitions										
A. 105MM Refurbishment			144,651	6,873	24,796	9,420	23,339	9,243	25,595	9,395
B. 25MM			504,836	4,468	224,553	3,896	93,926	3,863	103,370	3,927
C. Supplemental/OCO										
(1) 105MM			19,288	3,400	32,648	8,640	36,662	18,640	15,945	8,900
(2) 25MM			32,550	2,016	266,527	10,200	270,989	10,200	342,285	13,000
(3) 40MM			146,688							
Subtotal				87,736		32,156		41,946		35,222
3. USASOC Munitions										
A. Rifle/Machine Gun Cartridges (All types)			10,919,242	477	3,063,837	2,064	10,863,000	9,996	12,734,132	10,706
B. Grenades Offensive/Smoke (All types)			240,269	137			9,300	674	9,144	695
C. MAAWS			21,857	3,223			750	1,662	11,200	21,186
D. Aviation			398,838	335			7,281,300	12,262	4,392,700	25,927
E. Production Engineering				17				18		936
F. Explosives			600	2,216	1,600	6,525	1,450	5,563	1,302	4,980
G. Supplemental/OCO										
(1) Handgun					0	0	132,689	50	167,333	64
(2) Rifle/Machin Gun Cartridges (All types)			741,600	702	0	0	205,182	92	688,104	425
(3) Grenades Offensive/Smoke (All types)					0	0	1,800	122	1,000	67
(4) MAAWS			6,980	5,130	16,208	24,956	1,253	2,756	2,103	5,778

Exhibit P-40A, Budget Item Justification for Aggregated Items ORDNANCE REPLENISHMENT							Date: FEBRUARY 2011			
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PYS		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
G. Supplemental/OCO (Cont'd)										
(5) Explosives							6,128	6,564		
(6) Aviation			1,933,471	1,624			4,464,199	2,244	3,907,950	3,425
(7) Production Engineering				423		518				
Subtotal				106,865		34,063		42,003		74,189
4. Stand-Off Precision Guided Munitions (SOPGM)										
A. SOPGM									180	20,699
B. Supplemental/OCO										
(1) SOPGM			150	25,421			133	20,000	174	20,000
Subtotal				25,421		0		20,000		40,699
Prior Year Funding				304,680						
	LINE ITEM TOTAL			853,595		105,554		155,486		187,668

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE ORDNANCE ACQUISITION

	Prior Years	FY 2010 Baseline	FY 2010 Supp	FY 2010 Total	FY 2011 Baseline	FY 2011 OCO	FY 2011 Total Request	FY 2012 Baseline	FY 2012 OCO	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY														
Cost (In millions $)	599.159	28.676	8.707	37.383	24.215	49.776	73.991	28.281	25.400	53.681	41.649	43.465	51.538	52.524

MISSION AND DESCRIPTION: The 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; non-standard materiel; multi-purpose anti-armor/anti-personnel weapons system; combat assault rifle ammunition; and time delay firing device/sympathetic detonator. The associated RDT&E funds are in Program Element 1160481BB.

1. Advanced Lightweight Grenade Launcher (ALGL) Ammunition. This program provides 40mm high velocity, Pre-fragmented, Programmable High Explosive (PPHE) airburst ammunition for use with the ALGL (MK 47). The 40mm ammunition will provide a man portable airburst anti-personnel capability and first burst hit capability on targets in defilade or protected positions, day or night at ranges from 100 to 1800 meters. The MK 285 is the only cartridge able to fully exploit all the capabilities of the MK 47 fire control system. Program was increased by FY 2006 and FY 2007 Supplemental funds and an FY 2007 congressional add.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures 26,000 rounds of 40mm programmable ammunition.

2. Aviation Ammunition and Materials. This program provides 40mm AC-130 gunship ammunition including the associated safety certification, Insensitive Munitions (IM) 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.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE ORDNANCE ACQUISITION

FY 2012 PROGRAM JUSTIFICATION: Procures and qualifies 100,000 40mm M81 rounds of aviation ammunition to meet mission requirements.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures 88,000 aviation ammunition (40mm HE) expended in both OEF and OIF missions.

3. Demolition, Breaching and Pyrotechnics. This program consists of over 30 hardware sets of explosively formed penetrators, conical shape charges, and linear shaped charges, along with tools, equipment, and attaching devices for constructing and emplacing a variety of demolition charges, diversionary devices, demolition hand grenades, 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.

FY 2012 PROGRAM JUSTIFICATION: Procures and qualifies 900 additional breaching, demolition, attachment and replenishment items and provides production support.

4. Multi-purpose, Anti-armor/Anti-personnel Weapon System (MAAWS). This program 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. Program was increased by FY 2004, FY 2005, FY 2006, FY 2007, FY 2008, and FY 2010 Supplemental funds.

FY 2012 PROGRAM JUSTIFICATION: Procures 400 MAAWS weapon systems.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE ORDNANCE ACQUISITION

5. Non-Standard Materiel (NSM). This program provides SOF units the ability to be proficient in the use of foreign weapons to train foreign forces and provides foreign training ammunition, weapons, safety certification procedures and related equipment to meet this training requirement. Program was increased by FY 2007 and FY 2010 Supplemental funds.

FY 2012 PROGRAM JUSTIFICATION: Procures 4,900,000 rounds of Non-Standard foreign ammunition.

6. Combat Assault Rifle (CAR) Enhanced Ammunition. This program provides enhanced ammunition for the initial fielding of all combat assault rifle variants. Program was increased by FY 2010 Supplemental funds.

7. Time Delay Firing Device (TDFD). This program 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 and FY 2010 Supplemental funds.

Exhibit P-40A, Budget Item Justification for Aggregated Items ORDNANCE ACQUISITION			Date: FEBRUARY 2011							
Appropriation/Budget Activity - 0300/BA2										
	CONTRACTOR AND	ID	PYs		FY 2010		FY 2011		FY 2012	
Procurement Items	LOCATION	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Advanced Lightweight Grenade Launcher (ALGL) Ammunition										
A. MK 285 Pre-Programmed Pre-fragmented High Explosive (PPHE) Rounds	NAMMO, Norway		39,776	8,761						
B. Production/Fielding Support				535						
Supplemental/Overseas Contingency Operations (OCO)										
A. MK 285 Pre-Programmed Pre-fragmented High Explosive (PPHE) Rounds	NAMMO, Norway		47,000	10,360					26,000	5,200
Subtotal				19,656						5,200
2. Aviation Ammunition and Materiels										
A. Ammunition/Weapons/Equipment	Various		30,150	6,979	100,000	22,812	100,000	22,456	100,000	22,823
Supplemental/Overseas Contingency Operations (OCO)										
A. Ammunition/Weapons/Equipment	Various		30,000	7,051			62,000	14,400	88,000	20,200
Subtotal				14,030		22,812		36,856		43,023
3. Demolition, Breaching and Pyrotechnics										
A. Demolition and Breaching Munitions/Equipment	Various		261,195	52,239	19,493	3,878	1,000	132	900	123
B. Production Support	US Army ARDEC, Picatinny, NJ			1,568		18		18		7
Subtotal				53,807		3,896		150		130
4. Multi-purpose Anti-armor Anti-personnel Weapon System										
A. Ammunition/Weapons/Equipment	Bofors, Sweden		32,335	130,675					400	562
B. Lightweight anti-armor weapons/equipment	NAMMO Talley, Norway		783	4,700						
C. Lightweight anti-armor weapon Production Support	US Navy Crane, IN			300						
Supplemental/OCO										
A. Ammunition/Weapons/Equipment	Bofors, Sweden		950	5,700			4,280	10,700		
A. M3 Weapons	Bofors, Sweden				29	700				
Subtotal				141,375		700		10,700		562
5. Non-Standard Materiel (NSM)										
A. Ammunition/Weapons/Equipment	24 vendors		8,009,000	8,009			1,600,000	1,609	4,900,000	4,766
B. Test/Transport	US Army ARDEC, Picatinny, NJ			567						
Supplemental/OCO										
A. Ammunition/Weapons/Equipment	24 vendors				1,500,000	1,500	3,000,000	3,000		
Subtotal				8,576		1,500		4,609		4,766
6. Combat Assault Rifle (CAR) Ammunition										
A. Ammunition/Equipment 5.56mm	Various		1,683,928	943						
B. Ammunition/Equipment 7.62mm	Various		407,017	232						
Supplemental/OCO										
A. Ammunition/Equipment 5.56mm	Various				2,107,143	1,180	2,462,500	1,379		
B. Ammunition/Equipment 7.62mm	Various				842,105	480	1,549,123	883		
C. Ammunition/Equipment 40mm	Various						3,200	800		
D. Ammunition (7.62mm-A165)	Various						8,621,053	4,914		

Exhibit P-40A, Budget Item Justification for Aggregated Items ORDNANCE ACQUISITION					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	CONTRACTOR AND	ID	PYs		FY 2010		FY 2011		FY 2012	
Procurement Items	LOCATION	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
Subtotal				1,175		1,660		7,976		
7. Time Delay Firing Device										
A. Munitions/Equipment	Raytheon, Indianapolis, IN		8,030	48,783	550	1,968				
B. Production Support	US Army PM-CCS, Picatinny, NJ			1,177						
Supplemental/OCO										
A. Munitions/Equipment	Raytheon, Indianapolis, IN				1,400	4,847	3,425	13,700		
Subtotal				49,960		6,815		13,700		
Prior Year Funding Total				310,580						
LINE ITEM TOTAL				599,159		37,383		73,991		53,681

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BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT AND ELECTRONICS

COST (In Millions $)

Prior Years	FY 2010 Baseline	FY 2010 Supp	FY 2010 Total	FY 2011 Baseline	FY 2011 OCO	FY 2011 Total Request	FY 2012 Baseline	FY 2012 OCO	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
Quantity													
1,541.136	56.564	2.000	58.564	58.390	9.417	67.807	87.489	2.325	89.814	102.104	99.767	88.061	101.144

MISSION AND DESCRIPTION: The Communications Equipment and Electronics line item provides for communication systems to meet emergent requirements to support Special Operations Forces (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 smaller, lighter, more efficient and more robust 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's (USSOCOM) C4 programs are comprised of an integrated network of systems providing command and control and timely exchange of information to all organizational echelons, tactical and deployed. The C4 systems within this architecture are collectively known as the SOF Information Environment (SIE). The SIE is an extension of the DoD's Global Information Grid (GIG) that provides additional SOF-unique capabilities, and extends those capabilities to exceptionally remote and austere locations. The SIE allows garrison and tactical SOF users to reach back into the GIG to access national assets, allowing SOF elements to operate with any force combination in multiple environments. The C4 programs funded in this line item provide for capital equipment replacement and insertion of new capabilities and technologies. They 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	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT AND ELECTRONICS

ABOVE OPERATIONAL ELEMENT (DEPLOYED)

1. SOF Deployable Node (SDN) is a family of satellite communications systems that includes the heavy, medium and, light sub-programs; and includes Evolutionary Technology Insertions (ETI), and capital equipment replacement for those sub-program. The heavy system consists of the Deployable Multi-Channel SATCOM (DMCS) terminal, and the associated switching equipment capable of providing wide-area connectivity through SOF strategic entry points and commercial teleports to SOF task forces as large as 150-200 people. The medium is a deployable, lightweight, multi-channel SATCOM system that provides classified and unclassified voice, data, VTC, and video services to SOF tactical teams of 5-15 personnel. The light system is a ruggedized, portable communications package that provides similar services, but on a smaller scale than the heavy or medium. It supports small liaison elements and operational teams of 1-4 SOF personnel.

FY 2012 PROGRAM JUSTIFICATION: Procures 8 SDN medium systems, 88 SDN–L v(3b) systems and the capital equipment replacement (CERP) for 7 SDN heavy, 23 medium, and 48 SDN Light systems.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures five SDN medium systems.

2. Joint Base Station (JBS)/Radio Integration System (RIS) is an evolutionary acquisition program to procure the most current tactical C2 communications system for deployed and forward-based SOF supporting contingency operations and other SOF activities. The procured solution consists of a full-scaled deployable transit case variant, a deployable downsized transit case variant, and a fixed base station variant. All variants are capable of integrating existing and future radios and compliant with the Joint Tactical Radio System. JBS/RIS 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 regardless of area of operation. Moreover, the system provides the SOF Commander and staff with the capability to send and receive voice, data, and messages between the inserted SOF warfighter and higher headquarters, liaison officers, other government agencies, and coalition partners.

3. The Tactical Local Area Network (TACLAN) program provides SOF operational commanders and forward deployed forces advanced automated data processing and display capabilities to support situational awareness, mission planning and execution, and command and control of forces. The program procures TACLAN suites, mission planning kits and field computing devices. Each suite consists of three transportable, integrated networks, 60 general use laptops and 10 intelligence laptops. A network provides integrated servers, routers, and hubs that provide services 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 interface with the suite via tactical communications.

ABOVE OPERATIONAL ELEMENT (GARRISON)

4. 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 provides secure voice, data, and VTC, on various classification levels, to world-wide deployed and garrison SOF locations. SCAMPI also extends connectivity to global C, KU and X-Band satellite services to deployed SOF units; provides rapid secure communications to SOF Special Mission Units, and enables access to other government agencies and SOF specific information services.

FY 2012 PROGRAM JUSTIFICATION: Procures ten critical node replacements/retrofits for garrison sites, two new nodes, three tactical gateway SOF strategic entry points, one media port replacement/retrofit, and one full motion video ETI.

5. The Video Teleconferencing program provides 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 facing interfacing via video gateways to the JWICS and the DISN Video Services System. Beginning in FY 2012 this program's requirements are captured under the SCAMPI program.

6. The Joint Tactical C4I Information Transceiver System (JTCITS). JTCITS provides portable video receive terminals for receipt of tactical full motion video from Unmanned Aerial Systems. JTCITS Increment II will be a next-generation replacement for the Increment I (ROVER III/IV) systems that were fielded in FY 2006-2009. The Increment II systems will consist of a fixed- mount form factor designed for integration into ground/airborne/seaborne platforms, and a dismounted form factor designed for handheld or manpack use.

FY 2012 PROGRAM JUSTIFICATION: Procures 91 systems.

Exhibit P-40A, Budget Item Justification for Aggregated Items COMMUNICATIONS EQUIPMENT & ELECTRONICS						Date: FEBRUARY 2011				
Appropriation/Budget Activity - 0300/BA2										
Procurement Items	Contractor and Location	ID Code	PY'S Qty	PY'S Total Cost	FY 2010 Qty	FY 2010 Total Cost	FY 2011 Qty	FY 2011 Total Cost	FY 2012 Qty	FY 2012 Total Cost
1. SOF Deployable Node (SDN)	Space and Naval Warfare Systems Center, Charleston, SC									
A. Heavy Hardware			44	87,853	1	1,926	2	4,395		
(1) Capital Equipment Replacement Program (CERP)			9	18,678	7	14,445			7	15,619
(2) Evolutionary Technology Insertion (ETI)				29,666						
(3) Initial Spares/Repair Parts				2,670		308				
(4) Initial Training				1,083		109				
B. Medium Hardware			149	58,668	5	2,106	9	3,716	8	3,701
(1) CERP					16	6,318	27	11,326	23	11,164
(2) Initial Spares/Repair Parts				5,411		257				
(3) Initial Training				3,093		259				
C. Light Hardware			228	12,542	173	9,537	251	13,738		
(1) CERP				172						
(a) Variant 3a							10	634		
(b) Variant 3b									48	7,235
(2) Light-Variant 3b									88	13,449
(3) DVB-RCS Suites			13	2,600						
(4) Vx (Capability)			52	14,124						
(5) Congresstional Add Up/Vx (Capability)			33	5,982						
E. Comms On-the-move ETI						2,056		1,434		
F. Full Motion Video ETI						2,096		2,021		
G. Extension Package (EP)										370
H. Mobile SOF Strategic Entry Point										12,800
I. Supplemental/Overseas Contingency Operations (OCO)										
(1) SDN-Vx			48	11,216			16	3,616		
(2) SDN-Medium							1	423	5	2,325
(3) SDN-EP							12	2,148		
Subtotal				253,758		39,417		43,451		66,663
2. Joint Base Station (JBS)	NAWCAD, Patuxent River, MD									
A. Transit Case Variant Hardware			54	112,357						
(1) Initial Spares/Repair Parts				50						
(2) Initial Training				15						
B. Lightweight Transit Case Hardware			25	9,988						
C. Overseas Contingency Operations (OCO)										
(1) JBS RIS V2D	TBD						1	1,200		
(2) JBS RIS V4	TBD						2	812		
(3) JBS RIS V4 (Lite)	TBD						3	1,218		
Subtotal				122,410				3,230		0

Exhibit P-40A, Budget Item Justification for Aggregated Items COMMUNICATIONS EQUIPMENT & ELECTRONICS						Date: FEBRUARY 2011				
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
3. Tactical Local Area Network (TACLAN)	iGov Technologies, Tampa, FL									
A. Field Computing Devices			2,938	14,619						
B. Suites			94	31,766						
(1) Block II CERP			48	12,960						
C. Laptops			3,587	8,508						
D. Miscellaneous Tactical ADP				9,257						
E. TACLAN Advanced Special Operations Management Sys (ASOMS)								498		
Subtotal				77,110				498		
4. SCAMPI	Space and Naval Warfare Systems Center, Charleston, SC									
A. Node Optimization/Retrofits/CERP			80	34,951	8	5,874	9	6,785	10	7,533
B. Deployable Node Lite			217	13,901						
C. Red Switch Upgrade			9	10,607						
D. Tactical Gateways (New/Upgrades)			6	5,078						
(1) SOCOM Strategic Entry Points CERP			12	29,428	2	2,762	3	4,766	3	4,651
E. Node - New Site			10	13,674					2	2,000
F. Full Motion Video ETI					1	2,010	1	1,653	1	1,593
G. Media Ports							1	553	1	563
H. Ancillary Equipment						230				
Subtotal				107,639		10,876		13,757		16,340
5. Video Teleconferencing										
A. Multipoint Conferencing Unit Garrison	Polycom, Andover, MA		7	4,038	2	982	2	1,381		
B. Deployable	Tandberg, Mclean, VA		15	640						
Subtotal				4,678		982		1,381		
6. Joint Tactical C4I Transceiver System	L-3 Comm Systems-West, Salt Lake City, UT									
A. Display Device (Increment I)			335	10,784						
B. Display Device (Increment II)					79	5,289	74	5,490	91	6,811
Subtotal				10,784		5,289		5,490		6,811
Prior Year Funding				964,757						
Prior Year Non-Add DERF				139,432						
LINE ITEM TOTAL				1,541,136		56,564		67,807		89,814

Exhibit P-18 Initial and Replenishment Spare and Repair Parts Justification					Date: FEBRUARY 2011					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/020400COMM			Weapon System		P-1 Line Item Nomenclature COMMUNICATION EQUIPMENT AND ELECTRONICS					
End Item P-1 Line Item	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
INITIAL										
SOF Deployable Nodes-Heavy	2670	308								2,978
SOF Deployable Nodes-Medium	5,411	257								5,668
Joint Base Station	50									50
TOTAL INITIAL	8,131	565								8,696
REPLENISHMENT										
TOTAL REPLENISHMENT										
LINE ITEM TOTAL	8,131	565								8,696

Remarks: Funded Initial Spares = $8,696K

Repair Turnaround Time = Various

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BUDGET ITEM JUSTIFICATION SHEET													DATE: FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2					P-1 ITEM NOMENCLATURE INTELLIGENCE SYSTEMS								
COST (In Millions $)													
Prior Years	FY 2010 Baseline	FY 2010 Supp	FY 2010 Total	FY 2011 Baseline	FY 2011 OCO	FY 2011 Total Request	FY 2012 Baseline	FY 2012 OCO	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
Quantity													
696.873	75.224	33.817	109.041	75.892	149.406	225.298	74.702	43.558	118.260	71.169	75.143	81.513	80.964

MISSION AND DESCRIPTION: The 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 Joint Threat Warning System; Special Operations Tactical Video System; Tactical Local Area Network; Special Operations Command, Research, Analysis and Threat Evaluation System; 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.

United States Special Operations Command (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 programs are comprised of 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 line item will meet annual emergent requirements and are grouped by the level of organizational element they support: Operational Element (Team) and Above Operational Element (Garrison).

OPERATIONAL ELEMENT (TEAM)

1. The Joint Threat Warning System (JTWS) is an evolutionary acquisition program that provides threat warning, force protection, enhanced situational awareness, and target identification/acquisition information to SOF via signal intercept, direction finding (DF) 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/mobile or static, air, maritime and precision geo-location operations in support of all SOF missions. Each variant except static will be capable of operation by a single trained operator. The four variants are Ground SIGINT Kit (GSK) body worn/mobile and Team Transportable GSK static, Air, Maritime, and Precision Geo-Location (PGL). Program increased by FY 2006, FY 2008, FY 2009, and FY 2010 congressional adds and FY 2004, FY 2006, FY 2007, FY 2008, FY 2009, and FY 2010 Supplemental funds.

FY 2012 PROGRAM JUSTIFICATION: Procures 26 GSK body worn/mobile replacement systems, 8 Air replacement systems, 6 PGL Ground replacement systems, 13 PGL Air systems, 38 Unmanned Aerial Collection systems, and initial spares/repair parts.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures two GSK Static systems, four body worn/mobile systems and SIGINT equipment that provides critical Indications and Warning (I&W) and situational awareness.

2. The Special Operations Tactical Video System (SOTVS) program 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 imagery in near-real-time via current or future communication 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, FY 2008, and FY 2009 Supplemental Funds.

FY 2012 PROGRAM JUSTIFICATION: Procures 10 RSTA Recon RECCE kits, 10 RSTA Sensor kits, and 40 digital camera surveillance kits.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures 81 SOTVS and 57 RSTA kits.

3. The Tactical Local Area Network (TACLAN) 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 (JSOTF) 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.

FY 2012 PROGRAM JUSTIFICATION: Procures 1 new suite and 16 capital equipment replacement (CERP) suites.

ABOVE OPERATIONAL ELEMENT (GARRISON)

4. Special Operations Command Research, Analysis and Threat Evaluation System (SOCRATES) is the SOF extension of the Joint Worldwide Intelligence Communications System (JWICS) network and is used to develop, acquire and support garrison automated intelligence system requirements for SOF organizations worldwide. It provides the capabilities to exercise command and control, planning, collection, collaboration, data processing, video mapping, a wide-range of automated intelligence analysis, direction, intelligence dissemination, imagery

tools and applications, to include secondary imagery dissemination, as well as news and message traffic. The 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 Headquarters USSOCOM, its component commands, Theater Special Operations Commands and forward based SOF units. Additionally, it provides the critical reach-back for SOF tactically deployed Local Area Networks/Wide Area Networks. SOCRATES is composed of state-of-the-art networking devices (firewalls, routers, switches, hubs, and modems), servers, storage devices, workstations, associated peripherals and government off the shelf /commercial off the shelf software. Program increased by FY 2003, FY 2004, FY 2005, FY 2006, and FY 2008 Supplemental funds.

FY 2012 PROGRAM JUSTIFICATION: Procures next generation technology insertions, two data storage infrastructure devices and a network expansion.

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.

6. Hostile Forces-Tagging, Tracking, and Locating (HF-TTL) Program provides SOF with critical tools to enhance situational awareness for the planning and execution of SOF missions. This capability allows the SOF warfighter to find, fix, and finish terrorist networks through the emplacement of sophisticated tags and devices that feed into an integrated architecture. HF-TTL provides Regional Combatant Commanders and SOF operators with an immediate capability to tag, track, and locate people, things, and activities. The HF-TTL program provides actionable intelligence for 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. The HF-TTL program was designated a Commodity Procurement Program in FY 2008. As such, tailored Mission Sets are fielded annually to each SOF Component and Theater Special Operations Command (TSOC) based upon

dynamic and emergent SOF operational requirements. Program increased by FY 2005, FY 2006, FY 2008, FY 2009, and FY 2010 Supplemental funds and FY 2006 congressional add.

FY 2012 PROGRAM JUSTIFICATION: Procures 19 mission sets, ancillary equipment and support.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures 11 missions sets to respond to emergent special reconnaissance missions in support of deployed SOF.

7. The Distributed Common Ground/Surface (DCGS) 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 (SIE), and it develops and integrates SOF networks providing USSOCOM with unique decision capabilities to include: measurement and signature data, sensor exploitation, data compressions and man-portable workstations. 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 SIE. This system will initially provide SOF with capabilities to conduct exploitation of full motion video (FMV) from unmanned aerial vehicle assets organic to SOF and will integrate and implement the integration backbone standards and architecture on the SIE 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 self hardware and software and will leverage from existing technology as much as possible. Program increased by FY 2007 congressional add.

8. The Sensitive Site Exploitation (SSE). This program provides the capability to exploit personnel, documents, electronic data, and material on sensitive sites/objectives. It allows collection and transmission of unique, measurable biometric signatures, including live/latent fingerprints, iris patterns, and facial features. It also provides a means to verify against and enroll subjects into the DoD authoritative database, and to query that database to support hold or release decisions.

BUDGET ITEM JUSTIFICATION SHEET	DATE: FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE INTELLIGENCE SYSTEMS

FY 2012 PROGRAM JUSTIFICATION: Procures 135 biometric enrollment kits, 22 forensic exploitations kits, and initial spares and training.

9. Aircraft Intelligence Surveillance and Reconnaissance (ISR). Provides for increased capability of ISR services in Afghanistan.

10. Command, Control, Communications, Computer and Intelligence (C4I) System – Full Motion Video (FMV). This is a sub-program under the Command's Command, Control, Communications, Computers and Intelligence Automated Systems (C4IAS) program of record. In FY 2010, engineering to support acquisition of three Video Distribution Hubs was conducted to integrate a distributive data center and commence acquisition of data storage devices on the classified network to support storage and distribution of sensor FMV. This effort was funded under this line item. Other C4IAS systems are procured under the SOF Automated Systems line item.

11. SOF Deployable Node (SDN) 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 (CERP) program. The light system is a ruggedized, portable communications package that provides access to the SOF Information Enterprise (SIE) and the Global Information Grid (GIG) but on a smaller scale than the heavy or medium. It supports liaison elements and operational teams of 1-4 SOF personnel. The SDN-light V(x) equipment procured in FY 2010 supports FMV and was funded under this line item. Other SDN systems are procured under the Communications Equipment and Electronics Line Item.

Exhibit P-40A, Budget Item Justification for Aggregated Items INTELLIGENCE SYSTEMS					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Joint Threat Warning System										
A. Ground SIGINT Kits-Body Worn/Mobile	Space and Naval Warfare Systems Center, Charleston, SC		19	6,291	12	4,335	1	587		
(1) Initial Spares/Repair Parts	Space and Naval Warfare Systems Center, Charleston, SC			1,591		785		1,929		1,010
(2) Capital Equipment Replacement Program (CERP)	Space and Naval Warfare Systems Center, Charleston, SC		17	6,599	31	13,566	42	18,316	26	11,752
(3) Initital Training				144		162		175		102
B. Air Variant System	Space and Naval Warfare Systems Center, Charleston, SC		42	14,966						
(1) Initial Spares/Repair Parts	Space and Naval Warfare Systems Center, Charleston, SC			697		58		283		479
(2) CERP	Space and Naval Warfare Systems Center, Charleston, SC				1	513	5	2,255	8	3,826
(3) Initital Training				62		5		26		44
C. Team Transportable Variant (Ground SIGINT Kit-Static)	Space and Naval Warfare Systems Center, Charleston, SC		6	4,582		510	6	4,667		437
(1) Initial Spares/Repair Parts	Space and Naval Warfare Systems Center, Charleston, SC			572		1,153		1,166		385
(2) Initial Training				53		104		106		36
D. Precision Geo Location (PGL)	TEAMCOR, Warner Robbins, GA									
(1) PGL Ground	TEAMCOR, Warner Robbins, GA		4	4,964	8	8,460	3	3,116		
(a) Initial Spares/Repair Parts	TEAMCOR, Warner Robbins, GA					393		408		526
(b) CERP	TEAMCOR, Warner Robbins, GA						4	4,002	6	6,769
(c) Initial Training						403		474		312
(2) PGL Air	TEAMCOR, Warner Robbins, GA								13	7,663
E. Unmanned Aerial Collection Systems									38	1,768
F. Evolutionary Technology Insertions										
G. Mid Range Radio Frequency (Cong Add)				1,595						
H. Ancillary Equipment				1,349						
I. Supplemental/Overseas Contengency Operations (OCO)										
(1) Ground SIGINT Kits							10	4,200	2	932
(2) Ground SIGINT Kits - Body Worn/Mobile									4	2,668
(3) Precision Geo Location			22	28,531			11	10,900		
(a) Initial Spares				2,160						
(b) Initial Training				50						
(4) SIGINT Equipment										5,849
Subtotal				74,206		30,447		52,610		44,558
2. Special Operations Tactical Video System										
A. PME - Remote Surveillance Target Acq										
(1) Remote Observation Post	Integrity Data, Inc., Colorado Springs, CO		128	7,219				2		
(2) Recon Kit	Integrity Data, Inc., Colorado Springs, CO		146	4,754	10	500			10	679

Exhibit P-40A, Budget Item Justification for Aggregated Items INTELLIGENCE SYSTEMS					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
(3) Sensor Kit	Integrity Data, Inc., Colorado Springs, CO		145	4,968	10	250			10	259
(4) Short Range IR Cameras	Integrity Data, Inc., Colorado Springs, CO		103	1,567						
(5) Cameras	Integrity Data, Inc., Colorado Springs, CO				24	730				
(6) Supplemental/Overseas Contingency Operations (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						
(d) SOTVS-M Kits									81	2,430
(d) RSTA-M Kits									57	5,322
B. PME - Digital Video/Still Camera Systems										
Digital Camera Surveillance Kit	Integrity Data, Inc., Colorado Springs, CO		45	698			8	265	40	1,376
Subtotal				20,406		1,480		267		10,066
3. Tactical Area Local Network										
A. PME - Suites	iGov Technologies, Tampa, FL		42	7,810	2	232	8	890	1	107
(1) Block II CERP	iGov Technologies, Tampa, FL		42	6,332	25	2,648	21	2,214	16	2,071
(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. Full Motion Video - Video Distribution Hub (FMV VDH)	iGov Technologies, Tampa, FL				2	310				
F. Classified				2,543						
(1) CERP										
Subtotal				30,423		3,190		3,104		2,178
4. Special Operations Command Research, Analysis and Threat Evaluation System (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		73	7,713						
D. Desktop Workstation	Multiple		930	13,262	16	200				
E. Network Expansion	Multiple			28,937						75
F. Intelligence Workstations	Multiple		244	2,993						
G. Classified	Multiple			11,022						
H. Headquarters Expansion	Multiple		60	3,635	47	744	143	1,825		
I. Distributed Common Ground/Surface System	Multiple			3,418						
J. Evolutionary Technology Insertions	Space and Naval Warfare Systems Center, San Diego, CA			11,169		5,443		8,528		6,597
K. Storage Infrastructure	Multiple								2	880
L. Supplemental/Overseas Contingency Operations (OCO)	Multiple			2,336						

Exhibit P-40A, Budget Item Justification for Aggregated Items INTELLIGENCE SYSTEMS					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
(1) Enhanced Imagery Workstations	Multiple						6	480		
(2) Infrastructure Equipment						880				
Subtotal				98,012		7,267		10,833		7,552
5. Joint Interagency Collaboration Center										
A. Technology Insertions	Multiple			19,342						
Subtotal				19,342						
6. Hostile Forces Tagging, Tracking, and Locating										
A. Mission Sets	Multiple		28	53,727	17	20,177	19	22,380	19	24,065
B. Active Sentinel	Multiple									
C. Supplemental/Overseas Contingency Operations (OCO)										
(1) Mission Sets					12	10,557	21	25,300	11	13,797
(2) Active Sentinel				16,750				11,000		12,560
Subtotal				70,477		30,734		58,680		50,422
7. Distributed Common Ground/Surface System										
A. Servers	Multiple		12	2,236						
B. Video Processing Equipment	Multiple		33	1,535						
C. Fixed Exploitation Workstations	Multiple		48	2,361						
D. Deployable Exploitation Workstations	Multiple		8	1,212	3	1,689				
E. Integration Backbone	Multiple			3,000						
F. Storage	Multiple			898						
G. SOCRATES Workstation	Multiple		21	210						
H. Imagery Hardware/Software	Multiple		8	2,110						
I. Ancillary Equipment	Multiple			604		1,125				
J. Integrated Exploitation Capability	Multiple									
(1) Workstation Systems	Multiple									
(2) Server and Net Applications	Multiple					2,214				
K. Supplemental/Overseas Contingency Operations (OCO)										
(1) Processing, Exploitation, Dissemination Workstation	Multiple				33	1,592				
(2) Initial Spares	Multiple					35				
(3) Initial Training	Multiple					33				
(4) Classified	Multiple			600						
Subtotal				14,766		6,688				
8. Sensitive Site Exploitation (SSE) - Sensor										
A. Biometric Enrollment kits	Teamcor, Warner Robbins, GA		428	9,075	35	835				
B. Biometric ID kits	Teamcor, Warner Robbins, GA		514	3,182	371	5,205	32	316	135	1,393
C. IRIS Scanners	Teamcor, Warner Robbins, GA		21	76						
D. New Equipment Training				183		185		292		
E. Initial Spares/Repair Parts - Biometrics						592				
F. Forensic Exploitation Kits	Teamcor, Warner Robbins, GA		10	694	23	2,008	22	1,541	22	2,091
G. Initial Spares/Repair Parts - Forensics				295				129		
H. Supplemental										

Exhibit P-40A, Budget Item Justification for Aggregated Items INTELLIGENCE SYSTEMS					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
(1) SSE Exploitation Kits					165	11,600				
Subtotal				13,505		20,425		2,278		3,484
9. Aircraft Intelligence Surveillance and Reconnaisance (ISR)										
A. Overseas Contingency Operations (OCO)										
(1) Aircraft ISR							9	85,600		
(2) Video Security								11,926		
Subtotal								97,526		0
10. C4IAS Full Motion Video (FMV)										
A. Supplemental										
(1) Video Distribution Hub	Merlin International, Englewood, CO				3	790				
Subtotal						790				0
11. SOF Deployable Node-Lite (SDN-L)	Space and Naval Warfare Systems Center, Charleston, SC									
A. Supplemental										
(1) SDN-L V(X) Systems					28	5,817				
(2) Digital Video Broadcast Return Channel Satellite System					1	600				
(3) FMV Evolutionary Technology Insertion					1	1,380				
(4) Initial Spares						86				
(5) New Equipment Training						137				
Subtotal						8,020				0
Prior Years				354,893						
LINE ITEM TOTAL				696,030		109,041		225,298		118,260

Exhibit P-18 Initial and Replenishment Spare and Repair Parts Justification						Date: FEBRUARY 2011					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/020400INTL				Weapon System		P-1 Line Item Nomenclature INTELLIGENCE SYSTEMS					
End Item P-1 Line Item	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016		To Complete	Total
INITIAL											
1. Joint Threat Warning System											
a. Ground Signals Intelligence Kit	1,291	785	1,929	1,010	1,040	1,053	1,078	1,096			9,282
b. Air Variant	697	58	283	479	486	493	502	511			3,509
c. Team Transportable Variant	572	1,153	1,166	385	392	397	405	412			4,882
d. Precision Geo Location	2,160	393	408	526	533	436	335	341			5,132
2. Sensitive Site Exploitation	295										295
3. Distributed Common Ground/Surface System											
a. Supplemental		35									35
4. SOF Deployable Node-Lite (SDN-L)											
a. Supplemental		86									86
TOTAL INITIAL	5,015	2,510	3,786	2,400	2,451	2,379	2,320	2,360			23,221
LINE ITEM TOTAL	5,015	2,510	3,786	2,400	2,451	2,379	2,320	2,360			23,221

Remarks: Funded Initial Spares = $23,241K

Repair Turnaround Time = 5 days

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BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SMALL ARMS AND WEAPONS

	Prior Years	FY 2010 Baseline	FY 2010 Supp	FY 2010 Total Request	FY 2011	FY 2012 Baseline	FY 2012 OCO Request	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
Quantity												
COST (In Millions $)	1,084.716	37.882	4.722	42.604	30.094	9.196	6.488	15.684	16.005	8.829	6.982	8.397

MISSION AND DESCRIPTION: The Small Arms and Weapons line item provides small arms and combat equipment to support Special Operations Forces (SOF). This budget line procures a variety of weapons and associated equipment to include the Advanced Lightweight Grenade Launcher, sniper weapons, combat assault rifles, machine guns, and weapons accessories. The associated RDT&E funds are in Program Element 1160477BB.

1. Advanced Lightweight Grenade Launcher (ALGL). This program supports the requirement for a vehicle and man-portable high velocity grenade launcher. These systems consist of the 40mm grenade launcher that uses both standard 40mm high velocity grenade ammunition and pre-fragmented programmable high explosive air bursting ammunition, as well as the fire control unit that feeds a ballistic solution to the gun for a first round hit on target. This program was increased by FY 2001, FY 2002, FY 2003, FY 2004, FY 2005, FY 2007, FY 2008, FY 2009 and FY 2010 congressional adds, and FY 2006 and FY 2007 Supplemental funds.

2. Family of Sniper Weapons Systems (FSWS). This program provides the SOF operator with a family of Precision Sniper Rifle (PSR) systems (light, medium, and heavy) that enable SOF to accurately engage enemy personnel and materiel in all SOF environments from 600 to beyond 1500 meters. The PSR systems will provide a significant increase in anti-personnel engagement distances. The future heavy sniper weapon system will provide greater performance against hard targets. The long-barreled variant of the combat assault rifle provided the next generation sniper support capability in FY 2009. Program was increased by FY 2007 and FY 2010 Supplemental funds.

FY 2012 PROGRAM JUSTIFICATION: Procures 45 PSRs and production support.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SMALL ARMS AND WEAPONS

3. Combat Assault Rifle (CAR). Current program consists of three weapons: the 7.62mm heavy assault rifle, the 7.62mm Sniper Support Rifle and the 40mm Enhanced Grenade Launcher Module (EGLM). Each weapon has replaceable barrels of different lengths to ensure modularity to meet mission requirements. The common upper receiver is an ancillary item to the MK-17 that will allow for the use of 5.56mm ammunition. The EGLM can be mounted on the assault rifle variants or configured as a stand-alone shoulder fired weapon. The Sniper Support Rifle long barrel variants will provide long range precision fire to 800 meters and beyond. Enhanced ammunition for all systems will provide greater accuracy, temperature stable propellant, target penetration, terminal effects and a reduction in muzzle flash. Enhanced ammunition for the grenade launcher will be used with the fire control unit to extend the effective range from 300 to 600 meters. Program was increased by FY 2009, FY 2010 congressional adds and FY 2007 and FY 2010 Supplemental funds.

FY 2012 PROGRAM JUSTIFICATION: Procures 6 EGLMs, 1,168 7.62mm rifles, and production support.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures 652 CAR common upper receivers rifles, 376 conversion kits and 150 EGLMs.

4. Machine Guns. This program provides two lightweight machine guns that are man-portable, highly reliable, and corrosion resistant while reducing soldier load associated with heavy machine guns. The 5.56mm machine gun is an 11.5-pound, belt fed, air-cooled machine gun that provides the ability to engage area targets at ranges out to 600 meters. The 7.62mm machine gun is an 18-pound, offensive/defensive weapon system that provides the ability to project a significant level of firepower out to 1000 meters. Both machine guns are compatible with SOF weapon accessories.

FY 2012 PROGRAM JUSTIFICATION: Procures 16 5.56mm machine guns and 2 7.62mm machine guns as phase replacements and production support.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SMALL ARMS AND WEAPONS

5. Weapon Accessories. This 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 combat optical sights, night vision systems, rail systems, aiming lasers, flash suppressors and gun lights mountable on SOF weapons. The accessories enhance the target acquisition and accuracy of all SOF weapons resulting in increased mission accomplishment and operator survivability. Program was increased by FY 2006, FY 2007, and FY 2008 Supplemental funds. Program was increased by FY 2001, FY 2003, FY 2004, FY 2005, FY 2006, FY 2007, FY 2008, and FY 2010 congressional adds.

FY 2012 PROGRAM JUSTIFICATION: Procures 7 Rail Interface Systems, 810 Combat Optical Sights-Close Quarter Battle, 89 Combat Optical Sights-Carbine, 53 Clip-on Night Vision Devices-Image Intensified, 7 Clip-on Night Vision Devices-Thermal, 1 Clip-on Night Vision Devices-Fused Image, 697 Advanced Target Precision Infrared Aiming Laser, 8 third generation Visible Bright Lights, and production support.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures 1,344 Special Operations Peculiar Modification Family of Muzzle Breaks and Suppressors.

Exhibit P-40A, Budget Item Justification for Aggregated Items SMALL ARMS AND WEAPONS			Date: FEBRUARY 2011							
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Advanced Lightweight Grenade Launcher										
A. Prime Mission Product	General Dynamics, Burlington, VT		709	81,009						
B. MK47 Mod 0 Advanced Lightweight Grenade Launcher - (Cong Add)	General Dynamics, Burlington, VT				33	6,000				
Subtotal				81,009		6,000				
2. Sniper Weapon Systems										
A. 7.62mm Rifle	Knights, Vero Beach, FL		933	10,674						
B. .300 Winchester Magnum (WINMAG) Rifle	Naval Special Warfare Center (NSWC), Crane, IN		2,122	9,998						
C. Precision Sniper Rifle	NSWC, Crane, IN								45	296
D. Production Support	NSWC, Crane, IN			1,515						46
Supplemental/Overseas Contingency Operations (OCO)										
.300 WINMAG Rifle	NSWC, Crane, IN				608	3,800				
Subtotal				22,187		3,800				342
3. Combat Assault Rifle										
A. Enhanced Grenade Launcher Module	Herstal, Belgium		1,139	3,431	52	164	74	230	6	21
B. 7.62mm Rifle	Herstal, Belgium		3,659	13,677	360	1,515	671	2,877	1,168	5,107
C. 7.62mm Rifle (Sniper Support rifle) - (Cong Add)	Herstal, Belgium				264	2,000				
D. 5.56mm Rifle	Herstal, Belgium		2,282	7,472						
E. Production Support	Herstal, Belgium			3,105		862		272		131
Supplemental/Overseas Contingency Operations (OCO)										
A. 7.62mm Rifle - Common Upper Receiver	Herstal, Belgium								652	2,916
B. 7.62mm Rifle - Common Upper Conversion Kit	Herstal, Belgium								376	376
C. 7.62mm Rifle	Herstal, Belgium				308	922				
D. Enhanced Grenade Launcher Module	Herstal, Belgium								150	508
Subtotal				27,685		5,463		3,379		9,059
4. Machine Guns										
A. 5.56MM	FN Mfg., Inc., Columbia, SC		1,102	6,904	72	469	16	110	16	113
B. 7.62MM	FN Mfg., Inc., Columbia, SC		1,005	9,422	37	364	8	80	2	24
C. Production Support	NSWC, Crane, IN			1,030		61		28		1
Subtotal				17,356		894		218		138
5. Weapons Accessories										
A. Rail Interface System	Daniel Defense, Savannah, GA		23,350	9,317	4,805	1,919	1,250	500	7	3
B. Rail Interface System II Upper Receiver Group	Daniel Defense, Savannah, GA						1,559	1,871		
C. SOPMOD II (M4 Carbine Rail Interface System) - (Cong Add)					1,637	1,965				
D. Back-up Iron Sight	Knights Armament Co. - Titusville, FL									

Exhibit P-40A, Budget Item Justification for Aggregated Items SMALL ARMS AND WEAPONS					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
Procurement Items	Contractor and Location	ID Code	PY'S Qty	PY'S Total Cost	FY 2010 Qty	FY 2010 Total Cost	FY 2011 Qty	FY 2011 Total Cost	FY 2012 Qty	FY 2012 Total Cost
E. Combat Optical Sight-Close Quarter Battle	L3Comm/EOTech, Ann Arbor, MI		12,174	7,855	375	252	4,413	3,061	810	544
F. Combat Optical Sight-Carbine	Raytheon/ELCAN, Richardson,TX		17,561	18,254	296	320	3,691	4,042	89	100
G. Clip-on Night Vision Devices-Image Intensified	Litton EOS, Garland, TX		875	5,263	505	3,158	152	955	53	344
H. Clip-on Night Vision Device-Thermal	Insight Tech., Londonberry, NH		2,668	43,613	361	6,026	64	1,096	7	131
I. Clip-on Night Vision Device - Fused Image	TBD				191	4,780	46	1,170	1	35
J. Advanced Tactical Precision Infrared Aiming Laser	Insight Tech., Londonberry, NH		10,280	31,109	830	2,512	2,507	7,890	697	2,239
K. Weapons Accessories Legacy	Various		115,960	104,364			8,065	941		
L. Visible Bright Light III	Insight Tech., Londonberry, NH		8,491	2,853	917	321	7,931	2,776	8	3
M. M4 Weapons Shot Counter - (Cong Add)					27,200	3,341				
N. Production Support	NSWC, Crane, IN			3,734		1,853		2,195		58
Supplemental/Overseas Contingency Operations (OCO)										
Muzzle Breaks and Suppressor	TBD								1,344	2,688
Subtotal				226,362		26,447		26,497		6,145
Prior Year Funding				701,815						
Prior Year Non-Add DERF				8,302						
LINE ITEM TOTAL				1,084,716		42,604		30,094		15,684

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6 BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE DISTRIBUTED COMMON GROUND/SURFACE SYSTEM

	Prior Years	FY 2010	FY 2011	FY 2012 Baseline	FY 2012 OCO	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
Quantity										
COST (In Millions $)			5.255	15.621	2.601	18.222	13.006	17.271	11.420	9.502

MISSION AND DESCRIPTION: The Distributed Common Ground/Surface System Special Operations Forces (DCGS-SOF) line item provides an architecture that interconnects the warfighter and sensors to find and fix enemy combatants and/or terrorists. The DCGS-SOF program is a network-enabled, interoperable construct allowing continual, unimpeded sharing of intelligence data, information and services with/between the Services, other national intelligence agencies, combatant commands and Multi-National partners in support of a Joint Task Force. It connects the SOF warfighter with essential intelligence information and provides situational awareness information to SOF leadership at all echelons. The primary functions of DCGS-SOF are to conduct processing, exploitation and dissemination (PED) for all SOF ISR sensors, permit the collection of SOF data from collection sensors and intelligence databases, share across the DCGS Integration Backbone (DIB) and provide timely, tailored, all-source, fused intelligence reporting to the SOF warfighter. This program will employ non-developmental commercial and government off-the-shelf hardware and software and will leverage existing technology to the degree possible. The associated RDT&E funds are in Program Element 0305208BB.

FY 2012 PROGRAM JUSTIFICATION: Procures 3 Exploitation Systems, 1 DCGS SILENT DAGGER Mission Set, Full Motion Video (FMV) infrastructure, DCGS-SOF Enterprise Infrastructure, 100 Deployable DCGS-SOF All Source Analyst Kits New Equipment Training.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures one DCGS SILENT DAGGER Mission Set.

Exhibit P-40A, Budget Item Justification for Aggregated Items DISTRIBUTED COMMON GROUND/SURFACE SYSTEM					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	CONTRACTOR AND	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	LOCATION	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Distributed Common Ground/Surface System										
A. Exploitation Systems	Multiple						5	5,225	3	3,541
B. SILENT DAGGER Mission Set	Multiple								1	586
C. Full Motion Video (FMV) Infrastructure	Multiple									5,343
D. DCGS-SOF Enterprise Infrastructure	Multiple									4,200
E. Deployable DCGS-SOF All Source Analyst Kit	Multiple								100	1,918
F. New Equipment Training	Multiple									33
G. Overseas Contingency Operations (OCO)										
(1) SILENT DAGGER Mission Set	Multiple								1	2,601
Subtotal								5,225		18,222
Prior Year Funding										
LINE ITEM TOTAL								5,225		18,222

BUDGET ITEM JUSTIFICATION SHEET							DATE FEBRUARY 2011	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS					
	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY								
COST (In Millions $)	80.780	.789	.206					

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

MK V SOC Modifications. Program provides pre-planned product improvements and engineering changes to baseline craft capabilities. Anticipated improvement and changes include, but are not limited to, sensors, computers, navigation systems, shock mitigation, situational awareness, ergonomic improvements and weapons subsystems.

BUDGET ITEM JUSTIFICATION SHEET	DATE: FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE / 2	P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS

MODIFICATION SUMMARY

DESCRIPTION	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
1. Low Cost Modifications		0.789	0.206					
2. MK V Ergonomic Modifications	4.193							
SUBTOTAL FOR MODS	**4.193**	**0.789**	**0.206**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**

Exhibit P-40A, Budget Item Justification for Aggregated Items MARITIME EQUIPMENT MODIFICATIONS					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY's		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
Modifications	Various			4,193		789		206		
Prior Year Funding				76,587						
LINE ITEM TOTAL				80,780		789		206		0

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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2011		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE COMBATANT CRAFT SYSTEMS					
	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY								
COST (In Millions $)	187.012	11.122	11.706	6.899	46.220	65.141	7.267	7.390

MISSION AND DESCRIPTION: The Combatant Craft Systems line item serves as the umbrella for all light, medium, and heavy combatant craft programs and ancillary equipment. Currently, it includes a rigid inflatable boat, different types of combatant craft, a riverine craft, a forward looking infrared program, and Security Forces Assistance (SFA) craft. The associated RDT&E funds are in Program Element (PE) 1160484BB and PE 1160404BB.

1. The rigid inflatable boat is a short-range surface craft for Special Operations Forces (SOF) insertion and extraction in offshore environments. The initial fielding was completed in FY 2002. The current program provides replacement boats and ancillary equipment. This program received FY 2003 and FY 2005 Supplemental funds and FY 2006 Hurricane Katrina Supplemental funds.

2. The medium 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 and possibly the MKV. There are different variants dependent on the threat environment, training requirement, or mission.

3. The armored riverine craft provides the capability to insert and extract SOF in the riverine environment. The craft is capable of navigating coastlines, 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, FY 2009 and FY 2010 congressional add for additional boats.

FY 2012 PROGRAM JUSTIFICATION: Replaces two riverine craft, one prime mover, deployment packages, P3I (installation and integration of lightweight armor and forward looking infrared), engineering changes, production support, and government furnished equipment.

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

FY 2012 PROGRAM JUSTIFICATION: Procures at least five common interchangeable forward looking infrared systems for SOF combatant craft.

5. The security forces assistance craft will be used to conduct Maritime Security Forces Assistance (SFA) with Partner Nations. The craft will provide SOF personnel the ability to fully train for deployments during the Inter-Deployment Training Cycle; ensuring SOF deployed personnel are fully prepared for all SFA taskings, in accordance with USSOCOM requirements. The craft is defender class, modified commercial-off-the-shelf combatant craft.

FY 2012 PROGRAM JUSTIFICATION: Procures various quantities and sizes of SFA craft, training, support equipment, prime movers, and initial spares packages to meet specific needs.

Exhibit P-40A, Budget Item Justification for Aggregated Items COMBATANT CRAFT SYSTEMS					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	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		80	86,030						
B. Prime Movers and Detachment Deployment Packages	U.S. Marine, Inc.; Gulf Port, MS/Fleet Tech Support Center, Atlantic, Washington, DC		48	12,106						
Subtotal				98,136						
2. Medium Combatant Craft										
A. Craft	TBD						6	1,561		
B. Long Lead	TBD						TBD	1,467		
C. Detachment Deployment Packages	TBD							1,534		
D. Initial Spares	TBD							906		
Subtotal								5,468		
3. Riverine Craft										
A. Craft System	U.S. Marine, Inc.; Gulf Port, MS		40	48,876	2	2,149	3	3,955	2	1,990
B. Prime Movers and DDP's	U.S. Marine, Inc.; Gulf Port, MS/Fleet Tech Support Center, Atlantic, Washington, DC		32	3,876	2	321	2	332	1	192
C. Congressional Add Craft	US Marine Inc., Gulfport, MS				4	4,983				
Subtotal				52,752		7,453		4,287		2,182
4. Forward Looking InfraRed System										
A. Prime Mission Product	FLIR Systems, Boston, MA		139	28,870	5	1,865	5	1,951	5	2,075
Subtotal				28,870		1,865		1,951		2,075
5. Security Forces Assistance Craft										
A. Craft	Safe Boats International, Seattle, WA, /TBD				6	1,804			5	2,642
Subtotal						1,804				2,642
Prior Year Funding				7,254						
LINE ITEM TOTAL				187,012		11,122		11,706		6,899

Exhibit P-18 Initial and Replenishment Spare and Repair Parts Justification					Date: FEBRUARY 2011					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/0204SCCS			Weapon System		P-1 Line Item Nomenclature Combatant Craft Systems					
End Item P-1 Line Item	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
INITIAL										
Medium Combatant Craft Spares			906	0	2,773	4,910	0	0		8,589
TOTAL INITIAL			906	0	2,773	4,910	0	0		8,589
REPLENISHMENT										
TOTAL REPLENISHMENT										
LINE ITEM TOTAL			906	0	2,773	4,910	0	0		8,589

Remarks: The Medium Combatant Craft initial sparing will run for several years before replenishments will take affect.
Funded Initial Spares = $8,589K
Repair Turnaround Time - Various

BUDGET ITEM JUSTIFICATION SHEET							DATE FEBRUARY 2011	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SPARES AND REPAIR PARTS					
	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY								
COST (In Millions $)	221.673	1.604	0.977	0.594	0.592	0.591	0.590	0.600

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

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

FY 2012 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 also provides for the projected deliveries of initial spares for SOF aircraft.

Exhibit P-40A, Budget Item Justification for Aggregated Items SPARES AND REPAIR PARTS					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PYs		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cos	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Aircraft Initial Spares				221,673		1,604		977		594
LINE ITEM TOTAL				221,673		1,604		977		594

Exhibit P-18 Initial and Replenishment Spare and Repair Parts Justification					Date: FEBRUARY 2011					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/0204SPARES			Weapon System VARIOUS		P-1 Line Item Nomenclature SPARES & REPAIR PARTS					
SPARES AND REPAIR PARTS	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
INITIAL										
Aircraft Initial Spares	221,673	1,604	977	594	592	591	590	600	Cont.	Cont.
REPLENISHMENT										
LINE ITEM TOTAL	221,673	1,604	977	594	592	591	590	600	Cont.	Cont.

Remarks:

Repair Turnaround Time - Various

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BUDGET ITEM JUSTIFICATION SHEET													DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2					P-1 ITEM NOMENCLATURE TACTICAL VEHICLES								
Prior Years	FY 2010 Baseline	FY 2010 Supp	FY 2010 Total Request	FY 2011 Baseline	FY 2011 OCO Request	FY 2011 Total Request	FY 2012 Baseline	FY 2012 OCO Request	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
$ in Millions													
1,115.000	27.298	347.296	374.594	30.965	36.262	67.227	33.915	15.818	49.733	35.972	32.136	42.047	43.103

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: All Terrain Vehicles and Lightweight All Terrain Vehicles (Individual), Light Mobility Vehicles (Light), Ground Mobility Vehicles (Medium), Non-Standard Commercial Vehicles (Commercial) for use in tactical missions, and Mine Resistant Ambush Protected Vehicles (Heavy). These tactical vehicles are highly effective in executing SOF contingency missions worldwide, to include Operation Enduring Freedom (OEF) and Operation New Dawn (OND) missions. The associated RDT&E funds are in Program Element 1160480BB.

1. Light Tactical All Terrain Vehicle. The Light Tactical All Terrain Vehicle allows SOF operators the ability to navigate terrain that is inaccessible to standard vehicles. This capability greatly enhances mission success and effectiveness in OEF and OND. Program was increased by FY 2008 and FY 2010 Supplemental funds and an FY 2008 congressional add.

FY 2012 PROGRAM JUSTIFICATION: Procures seven Light Tactical All Terrain Vehicles.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures 175 Light Tactical All Terrain Vehicles for deployment in contingency operations.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE TACTICAL VEHICLES

2. Medium Mobility Vehicle. The M1165A1/B3 High Mobility Multipurpose Wheeled Vehicle (HMMWV) is the current materiel solution for the Ground Mobility Vehicle (GMV). In FY 2010, SOCOM began a recapitalization effort to replace 60-80% of the multi-configured, less capable legacy GMV 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 modifications to transform the HMMWV into a SOF-unique vehicle. 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 gunner protection kit and cargo bed armor. 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. Program was increased by FY 2010 Supplemental funds.

FY 2012 PROGRAM JUSTIFICATION: Procures 2 base vehicles and installs 51 SOF-peculiar modification kits.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures and installs nine SOF-peculiar modification kits to replace combat losses and to support surge contingency operations.

3. Heavy Mobility Vehicle. The heavy mobility vehicle includes the Medium Mine Protective Vehicle (RG-31), Mine Resistant Ambush Protective (MRAP) RG-33 vehicles, and MRAP All Terrain 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 (RWS) or Common Remotely Operated Weapons Station (CROWS II), 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, FY 2008, FY 2009 and FY 2010 Supplemental funds.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE TACTICAL VEHICLES

4. Non-Standard Commercial Vehicle. Funding procures a base vehicle representative of the local area where the SOF is operating and installs SOF peculiar modifications on the vehicles. SOF modifications include, but are not limited to, armor protection, winch, additional alternator, upgraded brakes and suspension system, and communications A-kits. These vehicles are procured to allow SOF operators to have a low visibility appearance amongst the local population in various locations around the world.

FY 2012 PROGRAM JUSTIFICATION: Procures 48 non-standard commercial vehicles and installation of 48 SOF-peculiar communication and navigation systems.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures 15 Non-Standard Commercial Vehicles and installation of 15 SOF-peculiar communication and navigation systems.

5. Light Mobility Vehicle. The Light Mobility Vehicle fills the capability gap between Light Tactical All Terrain Vehicle and the Medium Ground Mobility Vehicle platforms. The Light Mobility Vehicle provides greater payload than the Light Tactical All Terrain Vehicle, increased mobility over the Medium Ground Mobility Vehicle and is internally transportable in the CV/MV-22, H-53, CH-47 and C-130 aircraft. Internal air transport is a key performance parameter that allows the SOF operators to egress from the air transport and rapidly shoot, move and communicate without re-configuring the vehicle. Program was increased by an FY 2010 congressional add.

BUDGET ITEM JUSTIFICATION SHEET							DATE: FEBRUARY 2011	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE / 2			P-1 ITEM NOMENCLATURE TACTICAL VEHICLES					
MODIFICATION SUMMARY								
DESCRIPTION	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY1 2015	FY 2016
1. Medium Ground Mobility Vehicle SOF Standardization		16.303	25.868	16.408	23.900	24.200	33.800	34.870
Supplemental/Overseas Contingency Operations								
1 Medium Ground Mobility Vehicle SOF Standardization		6.490	21.150	2.818				
SUBTOTAL FOR MODS		22.793	47.018	19.226	23.900	24.200	33.800	34.870

MODELS OF SYSTEMS AFFECTED: M-1165A1 TYPE MODIFICATION: Added Capability MODIFICATION TITLE: Medium Ground Mobility Vehicle SOF Standardization

DESCRIPTION/JUSTIFICATION: The M1165A1/B3, High Mobility Multipurpose Wheeled Vehicle (HMMWV) is the current materiel solution for the Ground Mobility Vehicle (GMV). In FY 2010, SOCOM began a recapitalization effort to replace 60-80% of the multi-configured, less capable legacy GMV 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 modifications to transform the HMMWV into a SOF-unique vehicle. 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 gunner protection kit and cargo bed armor. 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.

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

FINANCIAL PLAN: (TOA, $ in Millions)

	Prior Yrs		FY09		FY10		FY11		FY12		FY13		FY14		FY15		FY16		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$			Qty	$	Qty	$
Base Vehicle Kits					64	5.6	80	7.2	51	4.8	66	7.5	65	7.6	89	10.7	89	11.1			504	54.5
Heavy Vehicle Kits					64	2.0	80	5.3	51	2.1	66	4.0	65	4.1	89	5.6	89	5.8			504	28.9
C4ISR Kits					64	5.0	80	9.3	51	6.5	66	9.1	65	9.2	89	12.8	89	13.1			504	65.0
Overseas Contingency Operations																					0	0.0
Base Vehicle Kits					22	2.0	69	6.9	9	0.8											100	9.7
Heavy Vehicle Kits					22	1.5	69	3.4	9	0.4											100	5.3
C4ISR Kits					22	1.6	69	7.9	9	1.2											100	10.7
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
																					0	0.0
Install Cost	0	0.0	0	0.0	86	5.0	149	7.1	60	3.0	66	3.3	65	3.3	89	4.7	89	4.8	0	0.0	604	31.2
Total Proc	0	0.0	0	0.0	86	22.7	149	47.1	60	18.8	66	23.9	65	24.2	89	33.8	89	34.8	0	0.0	604	205.3

MODELS OF SYSTEMS AFFECTED: M-1165A1

MODIFICATION TITLE: Medium Ground Mobility Vehicle SOF 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		Prior Yrs		FY09		FY10		FY11		FY12		FY13		FY14		FY15		FY16		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$			Qty	$	Qty	$
PYs																							0	0.0
FY09																							0	0.0
FY10							86	5.0															86	5.0
FY11									149	7.1													149	7.1
FY12											60	3.0											60	3.0
FY13													66	3.3									66	3.3
FY14															65	3.3							65	3.3
FY15																	89	4.7					89	4.7
FY16																			89	4.8			89	4.8
To Complete																							0	0.0
	0	0.0	0	0.0	0	0.0	86	5.0	149	7.1	64	3.0	66	3.3	65	3.3	89	4.7	89	4.8	0	0.0	604	31.2

Installation Schedule

	PYs	FY11				FY12				FY13				FY14				FY15			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In	86	24	72	53			24	36			66				65				72	17	
Out	86		72	72	5			60			24	42			24	41			24	65	

	FY16				TC	Total
	1	2	3	4		
In		72	17			604
Out		24	65			604

Exhibit P-40A, Budget Item Justification for Aggregated Items TACTICAL VEHICLES					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Individual All-Terrain Vehicle										
A. Prime Mission Product (Spiral 2 Vehicle)	UV Country, Houston, TX		85	2,240			61	2047	7	207
B. Prime Mission Product (Spiral 1 Vehicle)	TBD		50	900						
Supplemental/Overseas Contingency Operations (OCO)										
Individual All-Terrain Vehicle										
A. Prime Mission Product (Spiral 2 Vehicle)	UV Country, Houston, TX		99	4,850	12	375			175	7,000
B. Prime Mission Product (Spiral 1 Vehicle)	TBD						84	2,100		
Subtotal				7,990		375		4,147		7,207
2. Medium Mobility Vehicle										
A. Base Vehicle	AM General, Mishawaka, IN				5	1,355			2	453
B. Modifications	LEAD, Chambersburg, PA and NAVAIR, Patuxent River, MD				64	16,303	80	25,868	51	16,407
Supplemental/OCO										
A. Base Vehicle	AM General, Mishawaka, IN									
B. Modifications	LEAD, Chambersburg, PA and NAVAIR, Patuxent River, MD		22	1,667	22	6,490	69	21,150	9	2,818
1. Communication A Kits	SOFSA, Lexington, KY		80	4,044						
2. Suspensions	SOFSA, Lexington, KY		289	6,247						
Subtotal				11,958		24,148		47,018		19,678
3. Heavy Mobility Vehicle										
A. Base Vehicle	BAE Systems, York, PA		386	282,728	150	194,497				
B. MRAP-ATV Modifications	Various		421	108,000						
C. Remote Weapons Systems/Common Remotely Operated Weapons Station II	Kongsberg, Norway		486	113,888	176	42,240				
D. C4I Communications Kits/Integration	NAVAIR, Patuxent River, MD			89,197	176	61,544				
E. Engineering Change Proposals/Production Testing	Aberdeen Test Center, MD			1,825		8,719				
F. Interim Contractor Support	VSE Corporation, Alexandria, VA		592	74,262						
G. Talon II Litters	North American Rescue Inc. Greenville, S.C.		470	249						
H. Casevac Kits	Skedco Military Products, Tualatin, OR		365	558						
I. Spiral Upgrade Kits	Various			106,296						
J. Suspension/Mobility Upgrades	Various			103,051						
Subtotal				880,054		307,000				
4. Non-Standard Commercial Vehicle										

Exhibit P-40A, Budget Item Justification for Aggregated Items TACTICAL VEHICLES					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
A. Vehicle w/ mods	Various		17	2,675	12	2,000	8	1,850	48	9,408
B. Comms and Navigation system (A Kits)	Various		17	2,430	12	1,500	8	1,200	48	7,440
C. Force Protection Counter - Improvised Explosive Device	Sierra Nevada Corporation, Folsom, CA				75	4,540				
Supplemental/OCO										
A. Vehicle w/ mods	Various				63	24,853	43	8,529	15	3,750
B. Comms and Navigation System (A Kits)	Various				46	6,119	43	3,849	15	2,250
C. Force Protection Counter - Improvised Explosive Device	Sierra Nevada Corporation, Folsom, CA				38	2,459				
D. Interim Contract Support	TBD							634		
Subtotal				5,105		41,471		16,062		22,848
5. Light Mobility Vehicle										
A. Modification Kits (Cong Add)	Flyer Defense LLC, Inglewood, CA				2	1,600				
Subtotal						1,600				
Prior Year Funding				209,893						
Non-Add DERF				14,550						
LINE ITEM TOTAL				1,115,000		374,594		67,227		49,733

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE MISSION TRAINING AND PREPARATION SYSTEMS

	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Quantity								
COST (In Millions $)	125.575	22.601	28.354	46.242	38.452	25.040	18.950	16.051

MISSION AND DESCRIPTION: The Mission Training and Preparation Systems (MTPS) line item funds Special Operations Forces (SOF) Army, Air Force, Navy and Marine Corps training systems and simulations, weapon system simulators and part-task trainers, mission planning preparation, rehearsal and after action review (AAR) systems. These systems support initial, proficiency, currency and pre-deployment training and mission rehearsal to support contingency operations. The MTPS are also used in accident and safety investigations and tactics, techniques and procedures (TTP) development. Funds are primarily used to produce, deploy and initially sustain new MTPS, replace and/or upgrade unsupportable or obsolete MTPS, and/or to maintain concurrency between fielded weapon systems and existing MTPS. This line item includes a focus on systems engineering, configuration management, risk reduction, and architecture development, as well as interoperability, integration, and commonality among diverse SOF MTPS. This focus provides the ability to conduct Distributed Mission Operations, Training and Rehearsal (DMO/DMT/DMR) in support of the Joint National Training Center (JNTC) and Joint Forces Command (JFCOM). The associated RDT&E funds are in Program Element 1160427BB.

1. Simulator Block Updates (SBUD). This program procures updates to weapon system specific MTPS. The SBUD program procures concurrency, obsolescence, and fidelity upgrades to aircrew training devices (ATDs) to sustain legacy training capabilities. These MTPS replicate all, or parts of all SOF training systems. Fixed wing systems include, but are not limited to, the AC-130H, AC-130U, EC-130J, MC-130E, MC-130H, MC-130J, MC-130P, MC-130W, U-28, Non-Standard Aviation, Unmanned Aerial Systems, and CV-22. Rotary wing training systems include, but are not limited to, the MH-47E, MH-47G, MH-60K, MH-60L Block I, MH-60M and A/MH-6M. Joint close air support training systems include, but are not limited to, SOF Air-Ground Interface System (SAGIS), Joint Terminal Control Training and Rehearsal System (JTCTRS), and Joint terminal Aircraft Control (JTAC) Interim Systems. Maritime training systems include, but are not limited to, the combatant craft, the Seal Delivery Vehicle (SDV), and the Shallow Water Combat Submersible. Ground-based training systems include, but are not limited to, marksmanship devices, vehicle, aquatic egress, convoy trainers, and virtual training and rehearsal systems. Also included are distributed training, planning and rehearsal systems and all associated database production systems.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE MISSION TRAINING AND PREPARATION SYSTEMS

FY 2012 PROGRAM JUSTIFICATION: Continues to procure modifications to aircrew training devices, based on device concurrency and obsolescence priorities, to sustain legacy training capabilities.

2. Distributed Mission Training and Rehearsal System (DMTRS). This effort provides the overarching system and support for DMO/DMT/DMR in support of the JNTC and JFCOM. This program provides procurement and capital equipment replacement 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 2012 PROGRAM JUSTIFICATION: Continues to procure hardware to expand DMTRS capability to meet the full DMO/DMT/DMR requirements. Continues capital equipment replacement for existing hardware and integration of the SOF Common Database solutions into all MTPS.

3. Simulator Modernization. Funds all conversions in support of air, ground and maritime fleet modernization, re-utilization and service life of the operational characteristics and mission equipment of the new vehicle system/weapon model or Mission Design and Series.

FY 2012 PROGRAM JUSTIFICATION: Converts one MH-60K/L simulator to an MH-60M combat mission simulator with initial spares.

4. Warrior Training Systems (WTS). Provides MTPS to develop individual and collective proficiencies and to measure those proficiencies in environments that realistically portray combat conditions. Procures a variety of live, virtual and constructive MTPS to train individual, team, and crew technical skills and unit critical tasks. The MTPS procured will permit soldiers to practice mission essential tasks in realistic, stressful prior to entering the operational arena. MTPS may be fixed, modular or portable and provide the ability to continually update training methods and TTPs as new threats present themselves. Program increased by an FY 2009 and two FY 2010 congressional adds.

5. Aviation Foreign Internal Defense (AVFID) Mi-17 Simulator. This program procures a rotary wing simulator in support of the AVFID rotary wing aircraft procured under the Non-Standard Aviation procurement line item. These rotary wing aircraft conduct training with priority

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE MISSION TRAINING AND PREPARATION SYSTEMS

Partner Nations (PN) in support of United States strategic objectives. Core AVFID objectives are to train, advise, and assist PN in the areas of day/night instrument training.

FY 2012 PROGRAM JUSTIFICATION: Procures one rotary wing simulator.

Exhibit P-40A, Budget Item Justification for Aggregated Items Mission Training and Preparation Systems			Date: FEBRUARY 2011							
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PYS		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Simulator Block Updates										
A. Prime Mission Product	Various			45,645		15,972		9,485		12,674
B. Production Support	Various			3,507		1,765		1,539		1,792
Subtotal				49,152		17,737		11,024		14,466
2. Distributed Mission Training and Rehearsal System										
A. Platform Integration	Various			1,770						
B. Production Support	Various			228						
C. Sustaining Support Equipment Replacement	Nova Tech, Panama City, FL			446				1,013		684
D. Special Operations Live Rehearsal System	TBD									3,500
E. New Equipment Training						1,264				
Subtotal				2,444		1,264		1,013		4,184
3. Simulator Modernizations										
A. Prime Mission Product	TBD			10,365			1	16,317	1	15,327
B. Production Support	TBD			1,852						1,564
C. Initial Spares	TBD									701
Subtotal				12,217				16,317		17,592
4. Warrior Training Systems Congressional Add										
A. Prime Mission Product	Various		1	1,994	2	3,600				
Subtotal				1,994		3,600				
5. AVFID Mi-17 Simulator	TBD								1	10,000
Prior Years				59,768						
LINE ITEM TOTAL				125,575		22,601		28,354		46,242

Exhibit P-18 Initial and Replenishment Spare and Repair Parts Justification					Date: FEBRUARY 2011					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/0205MTPS			Weapon System		P-1 Line Item Nomenclature Mission Training & Preparation System					
End Item P-1 Line Item	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
INITIAL										
Simulator Modernization				701						701
TOTAL INITIAL SPARES				701						701
PRIOR YEAR TOTALS	750									750
LINE ITEM TOTAL	750			701						1,451

Remarks:

Simulator Modernization: Total Initial Spares = $701,000

Repair Turnaround Time - Various

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BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE COMBAT MISSION REQUIREMENTS

	Prior Years	FY 2010	FY 2011 Baseline	FY 2011 OCO	FY 2011 Total Request	FY 2012	FY 2013	FY 2014	FY 2015	FY2016
QUANTITY										
COST (In Millions $)	292.697	26.693	20.000		20.000	50.000	20.000	20.000	19.378	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 are identified by Global Combatant Commanders and validated and approved by United States Special Operations Command (USSOCOM) as a Combat Mission Needs Statement (CMNS). Each requirement is vetted through a rigorous USSOCOM process and must meet the following criteria: provide force protection to troops or ensure mission success. Equipment purchased under the CMNS umbrella include, but are not limited to, radios, body armor, unmanned aerial vehicles, blast and ballistic protected tactical vehicles, ammunition, weapons, aircraft defensive systems, night vision devices, and aircraft precision strike systems. USSOCOM submits a quarterly report to Congress that describes the CMNS approved that quarter. Program increased by FY 2007 Supplemental funds to purchase Mine Resistant Ambush Protected vehicles. No associated RDT&E funds.

FY 2012 PROGRAM JUSTIFICATION: Procures various equipment items to rectify emergent critical equipment shortfalls identified in a CMNS submitted by theater components or directed by Commander USSOCOM. See P-40A for the individual items purchased in prior and current years. Additional funds are required to fulfill the increased number of emergent requirements being requested.

Exhibit P-40A, Budget Item Justification for Aggregated Items Combat Mission Requirements					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY's		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	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 Equipment	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. Signals Intelligence Equipment	Global Communication Solution, Victor, NY		Var	8,887						
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				15,761						
4. Joint Tactical C4I Information Transceiver System										
a. ROVER III Model 300										
(1) Devices	L3, Salt Lake City, UT		167	6,729						
(2) Initial Spares	L3, Salt Lake City, UT		17	720						
b. Mobile Video Receiver (MVR) IV										
(1) Devices	Coastal Defense Incorporated, Mill Hall, PA			648	253	5,023				
Subtotal				8,097		5,023				
5. Stand Off Structured Munitions										
a. Hand Grenades	Naval Special Warfare Center, 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						

Exhibit P-40A, Budget Item Justification for Aggregated Items Combat Mission Requirements					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY's		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
d. Suspensions	Rod Hall Products, Reno, NV		203	5,471						
Subtotal				18,430						
7. Armored Non Standard Commercial Vehicle	L3 Comms, Lexington, KY		Var	15,888						
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, Patuxent River, 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. Ballistic Protection Systems	Technical Applications Program Office, Ft. Campbell, KY		21	3,521						
11. RC-26 Aircraft	Sierra Nevada Corporation, Sierra, NV		6	23,083						
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	5,708						
15. SATCOM On The Move	NAVAIR, Patuxent River, MD			1,430						
16. Concealable Pistols	Glock, Smyrna, GA		330	184						
17. FSOV Small Armored Vehicles	Northrop Grumman, Lithicum Heights, MD		19	1,143						
18. MC-130W Precision Strike Package										

Exhibit P-40A, Budget Item Justification for Aggregated Items Combat Mission Requirements					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY's		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
a. Battle Management System	NSWCDL/W306, Dahlgren, VA			1,636						
b. Stand Off Precision Guidance Missle & Permanent Installation	Sierra Nevada Corporation, Denver, CO			4,012						
c. Displays	Various			394						
d. Modification	Various Gov't Organizations			1,004						
e. Communications	Various			1,277						
f. Fire Control System	NSWCDL/W306, Dahlgren, VA			6,190						
g. Sensors	WESCAM, Ontario, Canada			3,833						
h. Consoles	Sierra Nevada Corporation, Denver, CO			1,730						
i. Mk44 Guns	Alliant Techsystems, Phoenix, AZ			924						
Subtotal				21,000						
19. Concealed Body Armor	Ceradyne, Inc., Costa Mesa, CA		735	496						
20. Non-Lethal Signaling Capability	WESCAM, Ontario, Canada		4	1,900	31	3,455				
21. Force Protection Counter - Improvised Explosive Device	Sierra Nevada Corporation, Folsom, CA				140	5,836				
										0
22. Austere Location Force Protection Kits	TBD		2	795	11	5,805				
23. Frequency Cut Out	TBD				1,419	6,000				
24. Critical Emergent Combat Mission Needs	TBD					574		20,000		50,000
Subtotal								20,000		50,000
LINE ITEM TOTAL				292,697		26,693		20,000		50,000

BUDGET ITEM JUSTIFICATION SHEET					DATE FEBRUARY 2011			
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE MILCON COLLATERAL EQUIPMENT					
	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY								
COST (In Millions $)	38.410	6.226	102.556	18.723	14.629	17.671	5.671	9.960

MISSION AND DESCRIPTION: The MILCON Collateral Equipment line item procures collateral equipment for Special Operations Forces military construction facilities. No associated RDT&E funds.

FY 2012 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.

Exhibit P-40A, Budget Item Justification for Aggregated Items MILCON Collateral Equipment									Date: FEBRUARY 2011	
Appropriation/Budget Activity/2										
	CONTRACTOR AND	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	LOCATION	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. COLLATERAL EQUIPMENT										
a. Proj# 83706 MacDill AFB, FL	Various			3,507		100		746		
b. Proj# P899, Dam Neck,VA	Various			697		5,418				
c. Proj# 67428, Eglin AFB, FL	Various					415				
d. Proj# 50347, Ft Lewis, WA	Various					152				
e. Proj# 60743, Ft Bragg, NC	Various					141				
f. Proj# 69275, Ft Bragg, NC	TBD							49		
g. Proj# 69559, Ft Bragg, NC	TBD							49		
h. Proj# 50349, Ft Campbell, KY	TBD							849		
i. Proj# 69558, Ft Campbell, KY	TBD							49		
j. Proj# 69560, Eglin AFB, FL	TBD							49		
k. Proj# 63831, Ft Carson, CO	TBD							849		
l. Proj# 69557, Ft Carson, CO	TBD							49		
m. Proj# 65446, Ft Lewis, WA	TBD							96		
n. Proj# 66227,Ft Bragg, NC	TBD							98		
o. Proj# 66433, Ft Bragg, NC	TBD							10,152		
p. Proj# 66362, Ft Bragg, NC	TBD							34,147		
q. Proj# 66444, Ft Bragg, NC	TBD							20,897		
r. Proj# 76512, Ft Bragg, NC	TBD							32,439		
s. Proj# P781, LaPosta, CA	TBD							1,464		
t. Proj# P773, Little Creek, VA	TBD							332		
u. Proj# 60833, Ft Bragg, NC	TBD							49		
v. Proj# 61874, Ft Bragg, NC	TBD							193		
w. Proj# 69573, Ft Bragg, NC	TBD									49
x. Proj# 64989, Ft Campbell, KY	TBD									851
y. Proj# 69449, Ft Lewis, WA	TBD									84
z. Proj# 69278, Ft Carson, CO	TBD									49
aa. Proj# 65395, Ft Benning, GA	TBD									137
bb. Proj# 69261, Ft Benning, GA	TBD									49
cc. Proj# 60821, Ft Bragg, NC	TBD									140
dd. Proj# 66362, Ft Bragg, NC	TBD									16,715
ee. Proj# P462 Pearl Habor, HI	TBD									600
ff. Proj# 62070, Yuma, AZ	TBD									49
Prior Year Funding				34,214						
LINE ITEM TOTAL				38,418		6,226		102,556		18,723

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE AUTOMATION SYSTEMS

	Prior Years	FY 2010	FY 2011 Baseline	FY 2011 OCO	FY 2011 Total Request	FY 2012	FY 2012 OCO	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
Quantity												
COST (In Millions $)	55.373	49.984	52.353	1.291	53.644	51.232	13.387	64.619	53.830	50.115	53.144	46.606

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

United States Special Operations Command (USSOCOM) has developed an overall strategy to ensure that C4 systems continue to provide SOF with the required capabilities throughout the 21st century. USSOCOM's C4 programs are comprised of an integrated network of systems providing positive command and control and the timely exchange of intelligence and threat warning to all organizational echelons. The C4 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.

1. C4I Automation Systems. This program provides 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 data, and facilitate mission planning and 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 supporting a myriad of SOF user requirements, and uses a variety of government-off-the-shelf software and databases to ensure interoperability between SOF units.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE AUTOMATION SYSTEMS

FY 2012 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. Continues the engineering and integration of a distributive data center and commences acquisition of data storage devices on the classified network supporting storage and distribution of sensor Full Motion Video (FMV).

2. The Tactical Local Area Network (TACLAN) program provides SOF operational commanders and forward deployed forces advanced automated data processing and display capabilities to support situational awareness, mission planning and execution, and command and control of forces. The 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. Mission planning kits consist of four 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.

FY 2012 PROGRAM JUSTICATION: Procures 1network suite, 16 capital equipment replacement (CERP) suites, 78 field computing devices, 96 laptops, integration and ancillary equipment, and 60 Advanced Special Operations Management System workstations.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures 10 TACLAN CERP suites and equipment and software applications to implement the Single Sign-On architecture for deployed forces.

Exhibit P-40A, Budget Item Justification for Aggregated Items Automation Systems										
Date: FEBRUARY 2011										
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Command, Control, Communications, Computers and Intelligence Automation System										
A. Evolutionary Technology Insertions				14,789		2,889		1,555		
(1) Classified Network Re-Engineering	Multiple			9,327		9,039		8,832		4,273
(2) Unclassified Network Re-Engineering	Multiple			2,007		3,819		1,405		3,015
(3) Programmed Expansion	Multiple			3,935		2,422		2,771		4,830
(4) Distributive Data Center Hardware	Multiple					6,018		11,759		20,089
(5) Full Motion Video (FMV) Distribution Hub	Multiple							1,093		1,112
Subtotal				30,058		24,187		27,415		33,319
2. Tactical Local Area Network										
A. Prime Mission Equipment (PME) - Suites	iGov Technologies, Tampa, FL		6	5,440	2	1,393	6	5,343	1	644
(1) Block II Capital Equipment Replacement Program (CERP)	iGov Technologies, Tampa, FL		17	11,757	22	15,896	18	13,453	16	12,428
B. PME - Field Computing Devices	iGov Technologies, Tampa, FL		800	5,421	593	4,142	533	3,685	78	543
C. PME - Laptops	iGov Technologies, Tampa, FL		312	1,949	191	1,233	160	1,067	96	653
D. Integration	iGov Technologies, Tampa, FL			748		2,556		271		1,729
E. Ancillary Equipment	iGov Technologies, Tampa, FL					577		1,119		1,138
F. Advanced Special Operations Management System Integration and Test	iGov Technologies, Tampa, FL								60	778
G. Overseas Contingency Operations (OCO)										
(1) Suites							1	771		
(2) Mission Planning Kits							20	520		
(3) TACLAN Suites (CERP)									10	9,287
(4) Single Sign-On Equipment/Software										4,100
Subtotal				25,315		25,797		26,229		31,300
LINE ITEM TOTAL				55,373		49,984		53,644		64,619

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BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SOLDIER PROTECTION AND SURVIVAL SYSTEMS

	Prior Years	FY 2010	FY 2011	FY 2012 Baseline	FY 2012 OCO Request	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY										
COST (In Millions $)	31.731	0.548	0.221	0.362	34.900	35.262	11.627	12.140	12.636	12.850

MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Soldier Protection and Survival Systems line item provides specialized equipment to meet the unique soldier protection and survival requirements 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 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 Tactical Combat Casualty Care Equipment (TCCCE) and Counter–Improvised Explosive Devices (C-IED). The associated RDT&E funds are in Program Element 1160478BB.

1. TCCCE. This 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 management, extraction, mobility, transportation, and sustainment of casualties. This program was increased by an FY 2009 congressional add and FY 2008 and FY 2009 Supplemental funds.

FY 2012 PROGRAM JUSTIFICATION: Procures three Casualty Evacuation Sets and production support.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS: Procures 57 Casualty Evacuation Sets and production support.

P-1 SHOPPING LIST, ITEM NO. 88

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE SOLDIER PROTECTION AND SURVIVAL SYSTEMS

2. C-IED. This program provides a capability for USSOCOM Components and Subordinate Commands to acquire electronic C-IED systems. Various system designs provide soldier protection while operating in static environments, while vehicle mounted and when dismounted. All of these systems are designed for easy update to protect against an evolving threat matrix. Procurement of the next generation electronic C-IED force protection system will further enhance the SOF capability to defeat emerging radio frequency detonation threats during mobile operations.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS: Procures 279 next generation electronic force protection C-IED systems and related support equipment.

P-1 SHOPPING LIST, ITEM NO. 88

Exhibit P-40A, Budget Item Justification for Aggregated Items Soldier Protection and Survival System							Date: FEBRUARY 2011			
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Tactical Combat Casualty Care Equipment Kits										
A. Medic Kits	SOFSA, Lexington, KY									
B. Operator Kits	SOFSA, Lexington, KY									
C. Casualty Evacuation (CASEVAC) Sets	SOFSA, Lexington, KY		6	610	5	548	2	221	3	362
Overseas Contingency Operations										
A. Operator Kits	SOFSA, Lexington, KY		11,532	3,156						
B. Medic Kits	SOFSA, Lexington, KY		744	1,808						
C. CASEVAC Sets	SOFSA, Lexington, KY								57	7,000
Congressional Additions										
A. CASEVAC Sets	SOFSA, Lexington, KY									
Subtotal				5,574		548		221		7,362
2. Counter - Improvised Explosive Device										
Overseas Contingency Operations										
A. Prime Mission Product	Sierra Nevada Corporation, Folsom, CA								279	27,900
Subtotal										27,900
Prior Year Funding				26,157						
LINE ITEM TOTAL				31,731		548		221		35,262

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BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE VISUAL AUGMENTATION, LASERS AND SENSOR SYSTEMS

	Prior Years	FY 2010	FY 2011 Baseline	FY 2011 OCO Request	FY 2011 Total Request	FY 2012 Baseline	FY 2012 OCO Request	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY												
COST (In Millions $)	25.313	35.181	18.626	3.200	21.826	15.758	3.531	19.289	15.191	10.337	7.282	8.116

MISSION AND DESCRIPTION: The Visual Augmentation, Lasers and Sensors Systems line item provides day and night visual augmentation systems, laser range finders, pointers, illuminators, markers 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 line item procures a variety of day/night vision equipment and laser system capabilities to include sniper detection systems, ground mobility visual augmentation systems, improved night/day observation/fire control devices, night vision systems, precision laser targeting devices, laser acquisition markers, binocular/monocular systems clip-on thermal imager (COTI) (an ancillary item to the binocular/monocular system), and hand-held imagers. The associated RDT&E funds are in Program Element 1160479BB.

1. Family of Sniper Detection System (FSDS). This program 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 for target identification "prior to fire" capability.

2. Ground Mobility Visual Augmentation System (GMVAS). This program 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.

FY 2012 PROGRAM JUSTIFICATION: Procures 12 long range GMVAS.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE VISUAL AUGMENTATION, LASERS AND SENSOR SYSTEMS

3. Improved Night/Day Observation/Fire Control Device (INOD). This program 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.

FY 2012 PROGRAM JUSTIFICATION: Procures 193 INOD Block IV devices as an interim solution to the fusion capability.

4. Advanced Night Vision Devices (NVD). This program procures long range NVD for fire control, surveillance, and land navigation.

5. Precision Laser Targeting Device. This program combines a 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 delivery of GPS-guided munitions. The system eliminates fratricide incidents and reduces collateral damage during close air support missions.

6. Laser Acquisition Marker (LAM). Two variants: LAM and Hand-Held Laser Marker (HLM). This program provides 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. Capability in this system includes target location, marker designators and integrated alignment laser used to align the front and rear sights. The HLM is a lightweight marking device required by SOF operators to reduce collateral damage and increase precise target engagements with fighter aircraft and attack helicopters. It reduces the weight carried by the operator and has the ability to mark for laser spot tracking sensors in the aircraft.

FY 2012 PROGRAM JUSTIFICATION: Continues acceptance testing.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: Procures 78 HLMs.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE VISUAL AUGMENTATION, LASERS AND SENSOR SYSTEMS

7. Visual Augmentation System-Binocular/Monocular (VAS-B/M). This program procures head/helmet mounted night vision goggle systems. These goggles provide the SOF operator the capability to see in all lighting conditions, day or night, and in the presence of certain obscurants, with improvements in overall capability, situational awareness, interoperability and logistics commonality. The clip-on thermal imager clips on the AN/PVS-15A to provide an image fusion capability. This overlaid fused image of the two systems increases the situational awareness of the SOF operator in a variety of lighting and environmental conditions, thereby increasing both the lethality and survivability of the SOF operator.

FY 2012 PROGRAM JUSTIFICATION: Procures 1,113 VAS-B/M, production support and acceptance testing.

8. Hand Held Imager (HHI). This program provides the SOF operator with a lightweight, man-portable thermal imager that allows the operator to detect, acquire, and observe targets during day/night operations and in the presence of obscurants. Program consists of three variants: long-range, medium range, and pocket. Program was increased by FY 2009 and FY 2010 congressional adds.

FY 2012 PROGRAM JUSTIFICATION: Procures four HHI long range variants and four HHI pocket hand held imagers.

Exhibit P-40A, Budget Item Justification for Aggregated Items Soldier Visual Augmentation, Lasers and Sensor Systems					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Family of Sniper Detection Systems										
A. PIVOT Prime Mission Product	Metravib, France						10	2,145		
Subtotal								2,145		
2. Ground Mobility Visual Augmentation System										
A. Prime Mission Product-Driver Variant	Various		31	351						
B. Non-Recurring Engineering	BAE, Austin, Texas					122				
B. Production Support	NSWC, Crane, IN			144		291				
C. Prime Mission Product-Long Variant	TBD								12	3,785
D. Production Support										
Overseas Contingency Operations										
A. Prime Mission Product-Driver Variant	Various						55	3,200		
Subtotal				495		413		3,200		3,785
3. Improved Night/Day Observation/Fire Control Device										
A. Prime Mission Product (Block IV)	Knight's Armament, Titusville, FL				107	1,745	138	2,245	193	3,140
B. Acceptance Testing	NSWC, Crane, IN					115				
C. Production Support	NSWC, Crane, IN					231				
D. Prime Mission Product (Block II)	Knight's Armament, Titusville, FL				220	1,877				
E. Acceptance Testing	NSWC, Crane, IN					76				
F. Production Support	NSWC, Crane, IN					37				
Subtotal						4,081		2,245		3,140
4. Advanced Night Vision Devices										
A. Prime Mission Product	NSWC, Crane, IN			271		97				
Subtotal				271		97				
5. Precision Laser Targeting Device										
A. Prime Mission Product	Northrop Grumman, Apopka, FL						17	2,543		
B. Acceptance Testing								38		
C. Production Support	NSWC, Crane, IN					53		4		
Subtotal						53		2,585		
6. Laser Acquisition Marker										

Exhibit P-40A, Budget Item Justification for Aggregated Items Soldier Visual Augmentation, Lasers and Sensor Systems					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
A. Thermal Sights	Northrop Grumman, Apopka, FL		52	5,441			50	1,992		
B. Laser Target Designators	Insight/L3, Londonberry, NH				99	4,633				
C. Hand Held Laser Marker (HLM)	NSWC, Crane, IN			186		40	26	1,018		78
D. Acceptance Testing	NSWC, Crane, IN			10		234		100		
E. Production Support								6		
Overseas Contingency Operations										
A. HLM	Insight/L3, Londonberry, NH								78	3,531
Subtotal				5,637		4,907		3,116		3,609
7. Visual Augmentation Bino/Mono Goggles (VAS-B/M)										
A. Binocular Prime Mission Product	NSWC Crane, Crane, IN		1,342	8,846	776	6,338	1,000	7,832	1,113	8,349
B. Clip-On Thermal Imager Prime Mission Product	Optics One, Manchester, NH		183	967	828	4,230	108	152		
C. Acceptance Testing	NSWC, Crane, IN			161		185		220		84
D. Production Support	NSWC, Crane, IN			102		40		75		4
Subtotal				10,076		10,793		8,279		8,437
8. Hand-Held Imagers										
A. Long Range Variant	Insight Technology, Londenderry,						3	235	4	275
B. Acceptance Testing	NSWC, Crane, IN							2		
C. Production Support	NSWC, Crane, IN		36	2,342	35			19		
D. Long Range Variant (Congressional Add)	Insight Technology, Londenderry,			38		2,363				
E. Acceptance Testing (Congressional Add)	NSWC, Crane, IN			13		10				
F. Production Support (Congressional Add)	NSWC, Crane, IN				36	36				
G. Medium Range Variant (Congressional Add)	Insight Technology, Londenderry,					999				
H. Acceptance Testing (Congressional Add)	NSWC, Crane, IN					10				
I. Production Support (Congressional Add)	NSWC, Crane, IN		10	129	978	44				
J. Pocket Variant	Insight Technology, Londenderry,					10,716			4	43
K. Acceptance Testing	NSWC, Crane, IN					20				
L. Production Support	NSWC, Crane, IN		204	2,461	23	101				
M. Pocket Variant (Congressional Add)	Insight Technology, Londenderry,			12		517				
N. Acceptance Testing (Congressional Add)	NSWC, Crane, IN			20		2				
O. Production Support (Congressional Add)	NSWC, Crane, IN					19				
Subtotal				5,015		14,837		256		318
Prior Year Funding				3,819						
LINE ITEM TOTAL				25,313		35,181		21,826		19,289

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BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE TACTICAL RADIO SYSTEMS

	Prior Years	FY 2010 Baseline	FY 2010 Supp	FY 2010 Total	FY 2011 Baseline	FY 2011 OCO	FY 2011 Total Request	FY 2012 Baseline	FY 2012 OCO	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
Quantity														
COST (In Millions $)	30.973	52.259	5.448	57.707	35.234	3.985	39.219	76.459	2.894	79.353	72.668	65.619	56.472	58.759

MISSION AND DESCRIPTION: The Tactical Radio Systems line item procures Special Operations Forces (SOF) radio systems to meet emergent requirements in support of SOF. The United States Special Operations Command (USSOCOM) 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. This line item will procure lightweight, efficient and interoperable SOF radios. The associated RDT&E funds are in Program Element 1160476BB.

USSOCOM has developed an overall strategy to ensure that tactical radio systems continue to provide SOF with the required capabilities through the 21st century. These 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 coalition forces. Tactical radios rapidly and seamlessly establish and maintain mobile and fixed Command and Control (C2) communications between operational elements and higher echelon headquarters, allowing SOF to operate with any force combination in multiple environments.

1. SOF Tactical Communications. This capability will procure the next generation SOF communication system and replace most of the currently fielded SOF suite of radios. The capability will consist of five basic form factors: 1) Manpack device will be a multi-band device capable of being carried by an individual or being mounted on various SOF platforms; 2) Fixed configuration will be a multi-band and/or High-frequency (HF) device designed for implementation into air/ground/sea platforms or base stations; 3) HF 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. This system will introduce

additional capabilities to SOF to improve current situational awareness capabilities and performance on SOF platforms. Capabilities will include: real time, hostile and friendly force information; Line of Sight (LOS) and Beyond LOS communications (BLOS); and access to situational awareness in the form of intelligence inputs, broadcasts, and networks. This 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.

FY 2012 PROGRAM JUSTIFICATION: Procures 4,260 handheld radios, 5 manpack fixed mount radios, 425 manpack radios and 394 high frequency radio upgrade kits.

2. 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 HF and low-band Very High-frequency (VHF) 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. Beginning in FY 2012, this program's requirements are captured under the SOF Tactical Communications program.

3. Joint Base Station (JBS)/Radio Integration System (RIS) is an evolutionary acquisition program to procure the most current tactical C2 communications system for deployed and forward-based SOF and Theater Special Operations Commanders supporting OCO and other SOF activities. The procured solution consists of a full-scaled deployable transit case variant, a deployable downsized transit case variant, and a fixed base station variant. All variants are capable of integrating existing and future radios and are compliant with the Joint Tactical Radio System. JBS/RIS 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 regardless of area of operation. Moreover, the system provides the SOF Commander and staff with the capability to send and receive voice, data, and messages between the inserted SOF warfighter and higher headquarters, liaison officers, other government agencies, and coalition partners.

FY 2012 PROGRAM JUSTIFICATION: Procures one RIS, provides for the Capital Equipment Replacement (CERP) of nine V2D systems, and

procures five RIS-Lite systems for USSOCOM component forces.

FY 2012 OVERSEAS CONTINGENCY OPERTIONS JUSTIFICATION: Provides for the CERP for one RIS and two RIS-Lite systems, and procures one JBS/RIS system to replace a system that was lost in theater due to fire.

4. Blue Force Tracking (BFT). BFT 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 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, relayed to select command units, and displayed on the receiving unit's common operational picture.

FY 2012 PROGRAM JUSTIFICATION: Procures 670 devices.

Exhibit P-40A, Budget Item Justification for Aggregated Items Tactical Radios					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. SOF Tactical Communications										
A. Hardware										
(1) Handheld	Thales Comm Inc., Clarksburg, MD Harris, Rochester, NY				95	919	1,319	17,444	4,260	43,289
(2) Manpack Fixed Mount	Harris, Rochester, NY				7	385	6	372	5	296
(3) Manpack	Harris, Rochester, NY				575	18,461	115	3,434	425	14,267
(4) High Frequency	Thales Comm Inc., Clarksburg, MD				1	49	22	1,086	394	6,038
B. Multi-Band Inter/Intra Team Radio (MBITR) *			1,600	8,909						
(1) Urban Radio Hardware	Thales Comm Inc., Clarksburg, MD				1,198	6,955				
(2) Maritime Radio Hardware	Thales Comm Inc., Clarksburg, MD									
(3) Ancillary Equipment *	Thales Comm Inc., Clarksburg, MD			2,513						
(4) MBITR (CONG ADD)	Thales Comm Inc., Clarksburg, MD				307	4,000				
* Note: MBITR prior year reflected from MBITR program										
C. Multi-Band/Multi-Mission Radio (MBMMR) *			143	8,245						
(1) Fixed Mount (FM) Hardware (various configurations)	Raytheon, Ft. Wayne, IN				106	5,952	41	2,367		
(2) Ancillary Equipment						15				
* Note: MBMMR prior year reflected from MBITR program										
D. Supplemental/Overseas Contingency Operations (OCO)										
(1) MBITRs	Harris, Rochester, NY				419	5,448				
(2) Handheld radios							113	1,500		
(3 Manpack radios (MP)	Harris, Rochester, NY						51	1,785		
(4) High Frequency (HF)										
Subtotal				19,667		42,184		27,988		63,890
2. Special Mission Radio System										
A. HF Radios-Vehicle Mounts Hardware	Harris, Rochester, NY		6	384	20	682	39	1,326		
B. Ancillary Equipment	Harris, Rochester, NY					26				
Subtotal				384		708		1,326		
2. Joint Base Station										
A. Transit Case Variant Hardware (RIS)	NAWCAD, Patuxent River, MD		2	3,105	3	3,008	1	1,581	1	1,194
(1) Initial Spares/Repair Parts	NAWCAD, Patuxent River, MD			54						
(2) Initial Training	NAWCAD, Patuxent River, MD			15						
(3) Capital Equipment Replacement Program	NAWCAD, Patuxent River, MD								9	3,900
B. Lightweight Transit Case Variant Hardware (RIS Lite)	NAWCAD, Patuxent River, MD		20	7,479	2	787			5	2,111
(1) Initial Spares/Repair Parts	NAWCAD, Patuxent River, MD			238						
(2) Initial Training	NAWCAD, Patuxent River, MD			31						
C. Radio Over Internet Protocol						4,864		3,542		
D. Overseas Contingency Operations (OCO)										
(1) JBS RIS									2	2,050
(2) JBS RIS Lite									2	844
Subtotal				10,922		8,659		5,123		10,099

Exhibit P-40A, Budget Item Justification for Aggregated Items Tactical Radios					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
4. Blue Force Tracking Devices	SPAWAR, Charleston, SC L3 Comm Systesm-West, Salt Lake City, UT				912	6,156	512	4,082	670	5,364
A. Ancillary Equipment										
B. Overseas Contingency Operations (OCO)							85	700		
Subtotal						6,156		4,782		5,364
LINE ITEM TOTAL				30,973		57,707		39,219		79,353

Exhibit P-18 Initial and Replenishment Spare and Repair Parts Justification					Date: FEBRUARY 2011					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/020400TR			Weapon System		P-1 Line Item Nomenclature TACTICAL RADIO SYSTEMS					
End Item P-1 Line Item	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
INITIAL										
Joint Base Station										
A. Transit Case Variant (RIS)	54									54
B. Lightweight Transit Case Variant (RIS Lite)	238									238
TOTAL INITIAL	292									292
REPLENISHMENT										
TOTAL REPLENISHMENT										
LINE ITEM TOTAL	292									292

Funded Initial Spares = $292K
Repair Turnaround Time (days) = Various

BUDGET ITEM JUSTIFICATION SHEET							DATE FEBRUARY 2011	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT					
	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY								
COST (In Millions $)	111.601	2.768	.804					

NOTE: The resources in this line item were moved to the Underwater Systems line beginning in FY 2012.

MISSION AND DESCRIPTION: The Maritime Equipment Line item provides Special Operations Forces (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 and the Hydrographic Mapping Unit (HMU). The associated RDT&E funds are in Program Element 1160483BB.

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

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

Exhibit P-40A, Budget Item Justification for Aggregated Items MARITIME EQUIPMENT					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
Procurement Items	Contractor and Location	ID Code	PYS		FY 2010		FY 2011		FY 2012	
			Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Dry Deck Shelter Field Changes	Oceaneering International, Inc., Chesapeake, VA		1	19,608		2,669		707		
2. Hydrographic Mapping Unit	Various			197		99		97		
Prior Year Funding				91,796						
LINE ITEM TOTAL				111,601		2,768		804		0

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT

	Prior Years	FY 2010	FY 2010 Supp	FY 2010 Total Request	FY 2011 Baseline	FY 2011 OCO	FY 2011 Total Request	FY 2012 Baseline	FY 2012 OCO	FY 2012 Total Request	FY 2013	FY 2014	FY 2015	FY 2016
Quantity														
COST (In Millions $)	225.520	9.558	0.0	9.558	7.774	5.530	13.304	1.895	7.220	9.115	5.309	7.419	5.513	3.759

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), Civil Engineering Support Equipment (CESE), sustainment of SOF-peculiar weapons, and Range Support miscellaneous equipment. No associated RDT&E funds.

1. Joint Operational Stocks. JOS is a USSOCOM-managed stock of materiel designed to provide SOF access to immediately available equipment in support of real-world, contingency and training missions. The equipment contained within JOS generally falls into one of the following categories: night vision devices and optics, weapons, communications, personnel protection, and bare base support. Bare base support includes equipment required to provide key life support and work areas to SOF units deployed in austere locations. 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 was increased by FY 2003, FY 2006, and FY 2007 supplemental funds and an FY 2010 congressional add.

FY 2012 PROGRAM JUSTIFICATION: Resolves authorization shortfalls for high demand equipment and replaces equipment lost to attrition such as sniper weapons, night vision and optics, communications gear, body armor and bare assets that result from extensive support to SOF in executing the overseas contingency operations.

FY 2012 OVERSEAS CONTINGENCY OPERATIONS PROGRAM JUSTIFICATION: Procures 60 generators, 180 5-Ton Environment Control Units and 90 Modular Bivouac Systems.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT

2. CESE. Program replaces all non-tactical automotive vehicles and engineering support equipment required to support Naval Special Warfare Command's administrative functions and training operations. The resources in this program were transferred to the U.S. Navy beginning in FY 2012 to comply with the Department of the Navy (DON) and United States Special Operations Command (USSOCOM) Memorandum of Agreement with signature dates of 18 March 2010 for USSOCOM and 30 April 2010 for DON.

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

FY 2012 PROGRAM JUSTIFICATION: Procures replacement weapons and receivers for authorized items.

4. Range Support Equipment. Provides ancillary equipment; such as target systems, armories, and modular range systems for the modernization and tactical training expansion of SOF ranges.

FY 2012 PROGRAM JUSTIFICATION: Provides ancillary equipment for improvements/expansion of tactical training.

Exhibit P-40A, Budget Item Justification for Aggregated Items MISCELLANEOUS EQUIPMENT					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
	Contractor and	ID	PY'S		FY 2010		FY 2011		FY 2012	
Procurement Items	Location	Code	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Joint Operational Stocks	Various									
A. Military Liaison Element				3,028		155		151		154
B. Replenishment of Authorized Equip				48,962		3,012		2,074		82
C. Congressional Add Forensic Intelligence						1,600				
Subtotal				51,990		4,767		2,225		236
Overseas Contingency Operations										
A. Expeditionary Shelters							11	5,530		
B. Bare Base Equipment										7,220
Subtotal								5,530		7,220
2. Civil Engineering Support Equipment	Various									
A. Hardware				66,672		4,184		4,764		
Subtotal				66,672		4,184		4,764		
3. SOF-Peculiar Weapons Sustainment	Various									
A. Hardware				6,043		607		785		597
Subtotal				6,043		607		785		597
4. Range Support										
A. Ancillary Equipment	Various									1,062
Subtotal										1,062
Prior Year Funding				100,815						
Prior Year Non-Add DERF				16,212						
LINE ITEM TOTAL				225,520		9,558		13,304		9,115

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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2011		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE MILITARY INFORMATION SUPPORT OPERATIONS SYSTEMS					
	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
QUANTITY								
COST (In Millions $)	302.294	34.358	25.266	4.142	1.195	1.010	1.072	1.134

1.

Beginning in FY 2010, P-1 Line Item PSYOP Equipment was renamed Military Information Support Operations Systems.

MISSION AND DESCRIPTION: The Military Information Support Operations (MISO) line item provides for the acquisition of MISO equipment to meet emergent requirements of operational forces. MISO are planned operations to convey selected information and indicators to foreign audiences to influence their emotions, motives, objective reasoning, and ultimately, the behavior of foreign governments, organizations, groups, and individuals. The purpose of MISO 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 MISO 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 1160488BB and 1160472BB.

OPERATIONAL ELEMENT (TEAM)

1. The Family of Loudspeakers (FOL) program consists of modular amplifiers and speakers that can be interconnected to form sets 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/man-pack). 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 7 variants: man-pack, ground vehicle/watercraft, unmanned air vehicle, unmanned ground vehicle, scatterable media long duration, scatterable media short duration, and sonic projection (focused sound). 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 2012 PROGRAM JUSTIFICATION: Procures 23 scatterable variants, initial spares, and initial training.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE MILITARY INFORMATION SUPPORT OPERATIONS SYSTEMS

2. The Leaflet Delivery System provides MISO forces a family of systems that safely and accurately disseminates variable size and weight payloads of MISO 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.

3. The Civil Information Management Data Processing System (CIMDPS) is an automation system that assists active Civil Affairs and others engaged in civil-military operations to collect, process, analyze, maintain, mine, and deliver civil information and analysis products in support of military operations.

FY 2012 PROGRAM JUSTIFICATION: Procures 84 CIMDPS.

ABOVE OPERATIONAL ELEMENT (DEPLOYED)

4. The MISO Broadcast System consists of fixed and deployable multi-media production facilities for radio and television programming, distribution systems, and dissemination systems to provide MISO support to theater commanders. This program is comprised of several interfacing systems that can stand alone or interoperate with other MISO systems as determined by mission requirements. This program includes the fixed site media production center; a lightweight, deployable media production capability; a distribution system that provides a product distribution link to systems worldwide; a media system; a transit case fly-away broadcast system that consists of a combination of amplitude modulation (AM), frequency modulation (FM), shortwave (SW), and television (TV) transmitters, and radio/TV production systems; and a long range broadcast system that transmits analog and digital broadcasts. The long range broadcast system will include unmanned aerial vehicle payloads, scatterable media, telephony, and Internet broadcast. 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 consists of two independent systems: a mobile radio broadcast system (AM, FM, SW) and a mobile television broadcast system (VHF, UHF) capable of receiving audio and video products for broadcasting. Additionally, lightweight and tactical media development workstations will allow soldiers to produce MISO products in deployed locations.

FY 2012 PROGRAM JUSTIFICATION: Upgrades the Media Production Center hardware.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2011
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE MILITARY INFORMATION SUPPORT OPERATIONS SYSTEMS

5. The MISO Print System is a family of print systems to disseminate MISO products. The system has three variants: light, medium, and heavy. The light variant is a rapid deployable light 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 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 in a fixed, controlled-environment facility. All MISO 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.

6. MISO 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 family of electronic media displays will 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 stand-alone 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 MISO products.

7. Commando Solo supports combat operations by flying MISO 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.

Exhibit P-40A, Budget Item Justification for Aggregated Items MILITARY INFORMATION SUPPORT OPERATIONS SYSTEMS					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
Procurement Items	Contractor and Location	ID Code	PY'S Qty	PY'S Total Cost	FY 2010 Qty	FY 2010 Total Cost	FY 2011 Qty	FY 2011 Total Cost	FY 2012 Qty	FY 2012 Total Cost
1. Family of Loudspeakers										
A. Manpack Variant	TEAMCOR, Warner Robins, GA		92	4,578						
B. Ground Vehicle/Watercraft Variant	TEAMCOR, Warner Robins, GA		63	4,727	68	5,443	35	2,982		
C. Scatterables	TEAMCOR, Warner Robins, GA						3	109	23	698
D. Unmanned Ground Vehicle	TEAMCOR, Warner Robins, GA						13	1,171		
E. Initial Spares/Repair Parts	TBD			733				171		34
F. Initial Training	TBD			157				244		49
Subtotal				10,195		5,443		4,677		781
2. Leaflet Delivery System										
A. Hardware							3	167		
Subtotal								167		
3. Civil Information Management Data Processing System	TBD									
A. Hardware/Software	TBD								84	2,602
Subtotal										2,602
4. MISO Broadcast System										
A. MISO Distribution System										
(1) Light Variant	SPAWAR, Charleston, SC		109	18,269	33	5,509	42	7,980		
(2) Medium Variant	SPAWAR, Charleston, SC		8	3,235						
(3) Ancillary Equipment	SPAWAR, Charleston, SC			2,300						
(4) Initial Training	SPAWAR, Charleston, SC					280				
(5) Initial Spares	SPAWAR, Charleston, SC					57				
B. Fly-Away Broadcast System										
(1) Broadcast Radio Hardware	NAVAIR, Lexington Park, MD		2	5,215						
(2) Broadcast Integration	NAVAIR, Lexington Park, MD			2,140						
(3) Initial Training	NAVAIR, Lexington Park, MD			475						
C. Media Production Center										
(1) Hardware	T-ASA, Riverside, CA		3	11,744		9,734		4,084		759
(2) Integration	T-ASA, Riverside, CA			560						
(3) Initial Training	T-ASA, Riverside, CA			92		316				
(4) Initial Spares	T-ASA, Riverside, CA					178				
D. Long Range Broadcast System										
(1) Television Broadcast Hardware	TBD									
(2) FM Broadcast Hardware	NAWCAD, Patuxent River, MD & PRA, Albuquerque, NM					442		399		
(3) UAV Platform Integration	NAWCAD, Patuxent River, MD & PRA, Albuquerque, NM									
(4) Initial Spares/Repair Parts	NAWCAD, Patuxent River, MD & PRA, Albuquerque, NM									
(5) Initial Training	TBD									
E. Special Operations Media System-B										
(1) Mobile Radio Broadcast System	NAVAIR, Lexington Park, MD		8	28,235						

Exhibit P-40A, Budget Item Justification for Aggregated Items MILITARY INFORMATION SUPPORT OPERATIONS SYSTEMS					Date: FEBRUARY 2011					
Appropriation/Budget Activity - 0300/BA2										
Procurement Items	Contractor and Location	ID Code	PY'S Qty	PY'S Total Cost	FY 2010 Qty	FY 2010 Total Cost	FY 2011 Qty	FY 2011 Total Cost	FY 2012 Qty	FY 2012 Total Cost
(2) Mobile Television Broadcast System	NAVAIR, Lexington Park, MD									
(3) Integration	NAVAIR, Lexington Park, MD			6,188						
(4) Initial Spares	NAVAIR, Lexington Park, MD			1,027						
(5) Initial Training	NAVAIR, Lexington Park, MD			1,456						
Subtotal				80,936		16,516		12,463		759
5. MISO Print System	NAVAIR, Lexington Park, MD									
A. Light Variant	TEAMCOR, Warner Robins, GA		5	15,800						
B. Medium Variant	TEAMCOR, Warner Robins, GA		4	4,232	2	4356	2	3905		
C. Integration				2,500						
D. Heavy Variant	TBD									
E. Initial Spares/Repair Parts	TEAMCOR, Warner Robins, GA			1,070		544		390		
F. Initial Training	TEAMCOR, Warner Robins, GA			323		544		146		
Subtotal				15,800		5,444		4,441		
6. MISO Media Display	TBD									
A. Media Display System	TBD						5	1,422		
B. Integration	TBD							49		
C. Initial Spares	TBD							318		
D. Initial Training	TBD							167		
Subtotal								1,956		
7. Commando Solo										
A. Narrow Band Transmitter Replacement	NAVAIR, Lexington Park, MD		7	22,116		6,548		1,562		
B. Equipment Upgrade	NAVAIR, Lexington Park, MD			186						
C. Initial Spares	Various			215						
D. Upgrade Training	NAVAIR, Lexington Park, MD					407				
Subtotal				22,517		6,955		1,562		
Prior Year Funding				169,523						
DERF Funding (Non-Add)				11,303						
LINE ITEM TOTAL				298,971		34,358		25,266		4,142

Exhibit P-18 Initial and Replenishment Spare and Repair Parts Justification					Date: FEBRUARY 2011					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300/BA2/2328094BB2			Weapon System		P-1 Line Item Nomenclature MISO SYSTEMS					
End Item P-1 Line Item	Prior Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
INITIAL										
1. Family of Loudspeakers	733		171	34						938
2. MISO Broadcast System										
a. MISO Distribution System		57								
b. Media Production Center		178								
c. Special Operations Media System-B	1,027									1,027
3. MISO Print System	1,070	544	390							2,004
4. MISO Media Display			318							318
5. Commando Solo	215									215
TOTAL INITIAL	3,045	779	879	34						4,737
REPLENISHMENT										
TOTAL REPLENISHMENT										
LINE ITEM TOTAL	3,045	779	879	34	0	0	0	0		4,737

Remarks: Funded Initial Spares = $4,737K
Repair Turnaround Time (days) = Various