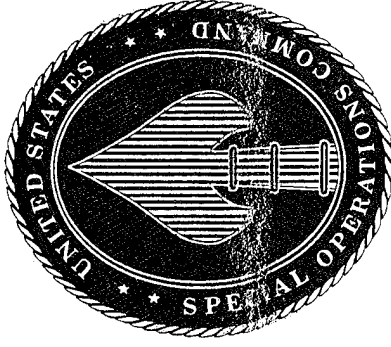


UNITED STATES SPECIAL OPERATIONS COMMAND



FISCAL YEAR 1997 BUDGET ESTIMATES

PROCUREMENT, DEFENSEWIDE

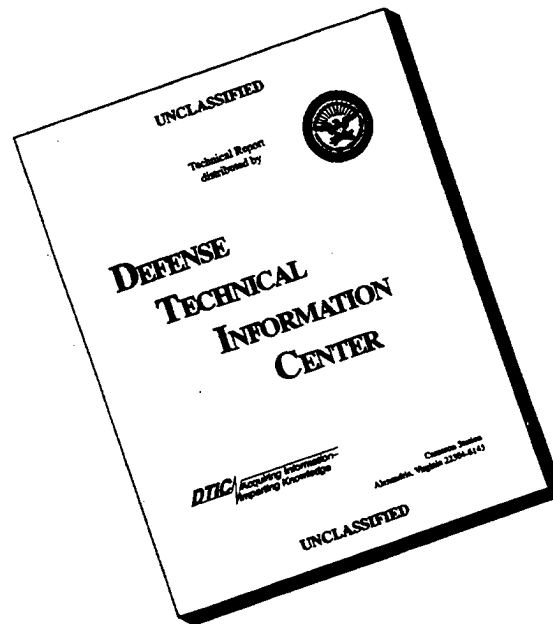
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MARCH 1996

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UNITED STATES SPECIAL OPERATIONS COMMAND

PROCUREMENT DOCUMENTATION FOR THE FY 1997 AMENDED PRESIDENT'S BUDGET SUBMISSION

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UNITED STATES SPECIAL OPERATIONS COMMAND

PROCUREMENT DOCUMENTATION FOR THE FY 1997 AMENDED PRESIDENT'S BUDGET SUBMISSION

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

Special Operations Forces

<u>\$ in Millions</u>	
FY 1997 Estimate	454.285
FY 1996 Actual	612.977
FY 1995 Actual	522.195

PART I. PURPOSE AND SCOPE

USSOCOM is a unified command with worldwide responsibilities to train, equip and maintain Special Operations Forces (SOF) in a ready state in support of the contingency plans developed by the five regionally oriented unified commands (USEUCOM, USCENTCOM, USPACOM, USACOM, and USSOUTHCOM). When directed by the President, USCINCSOC will assume command of a special operation anywhere in the world. USSOCOM's Army component forces include special forces (Green Berets), Rangers, short to medium range infiltration/exfiltration aircraft, civil affairs specialists, and psychological operations specialists. Navy component forces consist of Sea, Air, & Land (SEAL) Teams and special boat units. The Air Force component forces consist of special operation units which provide medium to long range air infiltration/exfiltration aircraft, specially equipped gunships, and aerial refueling capability. USSOCOM is the only operational command directly responsible for determining its own force structure requirement, determining the related materiel requirements, procuring the SOF unique equipment, training, and deploying its own units.

PART II. JUSTIFICATION OF FUNDS REQUESTED

Aviation Programs

1. Radio Frequency Mobile Electronic Test Set (RFMETS) (FY 1997 - \$14.340 Million) This effort shall provide a SOF-common mobile intermediate-level tester for the critical avionics of the AC-130H, AC-130U and the MC-130H aircraft, such as radars, mission computers, and the All Light Level TV (ALLTV). It shall also provide organic depot-level repair capability for the Shop Replaceable Units (SRUs) contained in the Line Replaceable Units (LRUs) of the: MC-130H's APQ-170 Radar; AC-130U's APQ-180 Radar; APQ-102 Mission Computer; displays, communications, and control LRUs; and the AC-130H communication and display LRUs. Funds will be used primarily to: procure the initial subset of the Test Program Sets (TPSs) for the depot capabilities for the APQ-170 radar and the APQ-102 Mission Computer; complete acquisition of intermediate-level organic capability for the AC-130U ALLTV.
2. Rotary Wing Upgrades and Sustainment (FY 1997 - \$4.788 Million) Funds provide for: digital terrain module memory upgrade for compressed Defense Mapping Agency data; ARC-210/Demand Assigned Multiple Access modem integration per JCS directive for standardization; Night Vision Head Up Display standardization and aircraft integration; and ALQ-136/162 aircraft survivability equipment

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

2. Rotary Wing Upgrades and Sustainment (Cont'd)

amplifier upgrade; all for the MH-47E/MH-60K. Also, provides funds to acquire and install 230 MH-60G external fuel tanks for air refueling. Acquires two Portable Engine Analysis Test Sets (PEATS) and funds AAQ-16 Forward Looking Infrared (FLIR) Interim Contractor Support, both for the MH-60G. External fuel tanks provide for extended range to improve aircraft's operational effectiveness and meet mission tasks. The PEATS provides rapid analysis of engine problems for reduced maintenance downtime.

3. SOF Training Systems (FY 1997 - \$1.074 Million) Funds provide procurement of ground-based trainers to support initial training. Provides funds for Data Base Generating Equipment required for building and maintaining real-world training and mission rehearsal scenarios. Procures initial Gunship Aircrew/Maintenance Training System (GA/MTS) Battle Management Center support subsystems.

4. MC-130H Combat Talon II (FY 1997 - \$8.067 Million) Funds provide for interim contractor support, avionics Government Furnished Equipment (GFE), and publications/technical data printing. Interim Contractor Support (ICS) will provide maintenance support until full depot organic facilities are in place.

5. AC-130U Gunship Acquisition (FY 1997 - \$44.800 Million) Funds provide interim contractor support (ICS) of contractor furnished support equipment and ICS for software. ICS will provide the capability to maintain the aircraft avionics and software until the entire weapon system becomes completely organic for support in the FY 2000 - FY 2001 time-frame. Further resources are provided for: the modification of technical orders (TOs); repair and management of GFE.

6. C-130 Modifications (FY 1997 - \$86.667 Million) Funds procure the final ALQ-172 Pave Mint Low Band Jammer systems and installs the initial systems for AC-130H aircraft; procures and installs Directional Infrared Countermeasure Systems (DIRCM); procures and installs the following communications initiatives into the MC-130H aircraft: 3.5-inch data transfer systems, Single Channel Ground-to-Air Radio System, Narrow Band Satellite Communications, and Automatic Communications Processor; installs center wing boxes on MC-130E, HC-130P/N, and AC-130H aircraft. Also funds various AC-130 and MC-130 efforts such as MC-130H auxiliary power unit upgrades; AC-130U Service Report actions; MC-130 Underbelly Protection Program; AAQ-17 Forward Looking Infrared for AC-130H/U; reliability and maintainability upgrades on the MC-130H APQ-170 radar; modifications of the last 65 AAR-44 Missile Warning Receivers; interim contractor support on the APQ-122 upgrade; and upfront, non-recurring engineering on the AC-130H Low Light Level TV.

7. Aircraft Support (FY 1997 - \$13.639 Million) Funds provide for the procurement of ring laser gyros for the MC-130E aircraft. Funds also provide for interim contractor support for aircraft modifications only until other methods (i.e., establishment of a depot, transition to organic, etc.) are made available. Funds ICS for the ASD-5 replacement on the AC-130H, Ballistic Computer, MC-130E systems, and other efforts such as Fire Control Display System, and Air Data Management System. Funds an international maritime satellite radio

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

7. Aircraft Support (Cont'd)

installation as well as an engine hush kit modification (required to meet impending stage III noise requirements) for the EC-137 SOF Command and Control aircraft.

Shipbuilding

1. MK 8 MOD 1 SEAL Delivery Vehicle (SDV) (FY 1997 - \$9.255 Million) Funds provide for the Service Life Extension Program effort of the MK 8 MOD 0 SDV that will focus on correcting identified and projected sustainability and maintainability problems within selected subsystems. Funds will be used to purchase/install such items as Global Positioning System, Obstacle Avoidance System, secure communications, mission data recorders, direct current propulsion motors, and pilot/navigator displays. The mission of the MK 8 MOD 1 SDV is clandestine infiltration/exfiltration of SEAL combat swimmers into hostile/denied shore areas and harbor/port facilities for the conduct of special operations.
2. Submarine Conversion (FY 1997 - \$8.913) This program supports Naval Special Warfare Command's equipment and mission requirements for the execution of special operations missions as the naval component of the U.S. Special Operations Command. This conversion will provide SSN 688 class submarines as replacements for SSN 637 long-hull Dry Deck Shelter (DDS) host and ASDS host submarines. Funds advanced planning for work package preparation, prefabrication of kit assemblies (piping, valves, external hull fixtures), prepares operational manuals, and host certification. Also orders those subsystems, components and materiel needed for one Dry Deck Shelter host submarine that requires earlier contracting actions in order to meet the time-critical system conversion schedule.
3. MK V Special Operations Craft (SOC) (FY 1997 - \$41.211 Million) The MK V SOC will conduct Medium Range Insertion/extraction of special operations forces. It will have the inherent ability to support limited Coastal Patrol and Interdiction taskings. The MK V SOC will be a high performance combatant craft capable of being transported over land and on-board C-5 aircraft on its own transporter system. Funds procure three operational detachments - each detachment consists of two craft and transporters and, supporting equipment package.

Ammunition Programs

1. SOF Ordnance Acquisition (FY 1997 - \$6.161 Million) This line consolidates items formerly in SOF Platform Gun Ammunition and SOF Pyro/Demo. Funds will provide pyrotechnics, demolition materials, and various munitions, ammunitions, and related subsystems and equipment, in support of SOF which include special ground forces, special boat units, special warfare groups/units, Sea Air, Land (SEAL)

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

1. SOF Ordnance Acquisition (Cont'd)

teams, special boat squadrons, SEAL delivery vehicles and special aircraft. Funds provide better, safer fuzing mechanisms (refuze) for 40mm ammunition rounds, as well as for product improvements and engineering changes for LIMPET and practice LIMPET assembly modules. Funds will also begin procurement of the Remote Activated Munition System, which provides the capability to remotely control equipment such as beacons, weapons, and demolition charges.

2. SOF Ordnance Replenishment (FY 1997 - \$24.379 Million) This line reflects a realignment of non-acquisition items from SOF Individual Weapons Ammunition, SOF Platform Gun Ammunition and, SOF Pyro/Demo. Funds provide individual weapons ammunition in support of the elite SOF training and mission requirements. These forces include Rangers, special boat units, special warfare groups, special warfare units, SEAL teams, special boat squadrons and SEAL delivery vehicle teams. The ammunition consists of illumination, smoke, target practice, and subcaliber ammunition. Specifically, funds are required to procure complete rounds, and/or components requiring load and assembly, of small arms ammunition (12 gauge up to and including .50 caliber), grenades (offensive/defensive and smoke) and SOF peculiar non-standard small arms ammunition items transitioning from various SOF component programs and to conduct acceptance testing. Also supports Naval Special Forces requiring 25mm, 40mm, and 60mm caliber gun ammunition, rockets and combat acceptance testing. Provides 7.62mm and .50 caliber ammunition in support of the impending MK V SOC weapons. Procures 25mm, 40mm, and 105mm training rounds required to maintain AC-130 Gunship crew mission readiness skills. Ammunition purchases resupply reserve quantities and specified combat reserve quantities. Funds also provide for production engineering, product improvements, and gauge procurement. In addition, funds procure a variety of pyrotechnic items for Navy SOF groups, including illumination, signaling, identification and location devices. Also includes demolition materials such as explosive devices, initiators, and accessories.

Other Procurement

1. Maritime Equipment Modifications (FY 1997 - \$4.833 Million) These funds were transferred from Patrol Coastal and from the MK V Special Operations Craft. Funds provide for command and control system software integration and upgrades. Also begins procurement of MK V SOC improved weapons mounts. Funds support procurement of materiel and installation of stern flap modifications, installation of active noise cancellation and bridge wing controls items, and installation of propellers designed to reduce the airborne noise in the berthing compartments and meet full power absorption requirements at a higher full load displacement. Finally, supports Title K alterations for emergent ship alterations.

2. Spares and Repair Parts (FY 1997 - \$36.134 Million) This line item consolidates spare and repair parts funding into a single line item. The line item contains spares and repair parts funds from both aviation and shipbuilding programs. Funds reimburse the stock fund for deliveries of initial spares in support of MC-130 and AC-130 series aircraft, and various modifications. Funds will also be used to

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

2. Spares and Repair Parts (Cont'd)

procure spare parts to support engineering improvements to four SEAL Delivery Vehicles (SDV) for the SDV Service Life Extension Program. Includes Global Positioning System, Obstacle Avoidance Sonar, Secure Communications, Mission Data Recorders, Direct Current Propulsion Motor, and Pilot/Navigator Displays. Funds for MK V Special Operations Craft (SOC) spares, repair parts, and initial consumables that constitute operational deployment packages and major (shore based) spares "kits".

3. Communications Equipment and Electronics (FY 1997 - \$26.617 Million) Funds provide for communication systems to support SOF. This funding line consolidates SOF programs from Army, Navy, and Air Force SOF communication requirements. The SOF units' mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. Major funding requirements highlights include:

a. The Special Mission Radio System (SMRS) is a radio system that provides SOF with a near term solution for a lightweight, low probability of intercept/low probability of detection manpack high frequency radio. Funding procures HF Manpack Radio Systems, and transit base stations. Funding upgrades existing SMRS radios/base stations through preplanned product improvement technology insertion of various communications security capabilities.

b. Continues procurement and installation of Tactical Radio Systems for Naval Special Warfare units.

c. Multiband/Multimission Radio (MBMMR) provides a lightweight, secure manpackable, multi-band transceiver capability. Funding procures additional deliveries of MBMMRs.

d. The SOF Tactical Assured Connectivity Systems (SOFTACS) was formerly TACTICAL C4I. The SOFTACS program will provide significantly increased information transfer capability to deployed Special Operations Forces. The funds procure voice switches and tri-band Secure High Frequency Satellite Communications (SHF SATCOM) terminals required for the high volume of information for deployed SOF C3I nodes.

e. Joint Base Station (JBS): JBS will provide SOF with continuous, reliable, long-range communications among SOF component commands while allowing for differences in missions. Funds provide initial procurement of JBS Variant 1, a small, transportable, high data rate base station that is capable of "drive on/drive off" a C-130 aircraft. Funds procure JBS Variant 2, palletizable communications suites for Air Force Special Operations Forces.

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

3. Communications Equipment and Electronics (Cont'd)

Operating independently in denied areas, Special Operations Forces (SOF) units require communications equipment that will improve their warfighting capability without degrading their mobility. Therefore, SOF Communications Equipment & Electronics is a continuing effort to develop and procure unique SOF C3 requirements.

4. SOF Intelligence Systems (FY 1997 - \$19.833 Million) Funds provide various types of equipment to support SOF Intelligence Systems. Major requirement highlights include:

a. Joint Deployable Intelligence Support System - Special Operations Command, Research, Analysis and Threat Evaluation System (JDISS-SOCRATES). Funds provide a wide range of mission directed automated intelligence and imagery support to HQ USSOCOM and components and extension to USSOCOM mission support units, Theater Special Operations Commands, and forward deployed SOF. Much of the data is acquired from national intelligence assets/data bases and tailored to SOF needs. Continues the procurement of equipment to establish a distributed JDISS-SOCRATES network architecture in compliance with nationally-directed client-server environment.

b. Multi-Mission Advanced Tactical Terminal (MATT). This program allows combat forces to receive near-real-time operational intelligence and threat information to support mission planning and execution, enabling aircrews to effectively avoid, defeat, or destroy enemy threat systems. Funds procure aircraft modifications to accommodate MATT on the MH-53J Pave Low helicopter and International Broadcast Service Receivers. Funds engineering change proposals.

c. The SILENT SHIELD enhances SOF aircrew situational awareness and provide threat warning information. The system consists of two briefcases; one briefcase contains the Communications Surveillance System, and the other contains the tactical data receiver. Aircraft installation kits complete the system. Funds procure SILENT SHIELD systems.

d. Integrated Survey Program (ISP) procures commercial/government off-the-shelf equipment for a total of 11 suites of standard survey equipment which include laptop computers with computer-assisted data collection software, electronic filmless cameras, Global Positioning System receivers, and laser rangefinders. Funds provide for subsystem upgrades.

5. SOF Small Arms and Support Equipment (FY 1997 - \$10.613 Million) A variety of SOF small arms and weapons are procured through this budget line. Funds procure .50 caliber sniper rifle retrofit kits; boat gun mounts and support equipment; laser aiming modules for the MK23 MOD 0 SOF Offensive Handgun; M4A1 Carbine and Accessory Kits, for Naval SOF; advanced body armor with load-bearing equipment for the Battle Dress System; subsystems, acceptance testing and program support for the SOF Laser Acquisition Marker (SOFLAM).

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

6. SOF Maritime Equipment (FY 1997 - \$5,030 Million) Funds procure necessary equipment which will enable the Naval Special Warfare Command to meet specific requirements for the execution of Special Operations and fleet support missions. As the Naval Component of U.S. Special Operations Command, these elite forces are called upon to perform difficult, life threatening missions that require modern and safe equipment. Numerous items of equipment, such as small craft, open and closed circuit scuba equipment, and mine countermeasure equipment are required for the Naval Special Warfare Command to execute their unique, special operations missions. Specifically, funds low-rate, initial production NSW Rigid Inflatable Boats (RIBs) and necessary ancillary and supporting equipment. Funds also provide for: safety and reliability upgrades as part of the Navy Boat program; emergent field changes for Dry Deck Shelters (DDS) assets required to keep the DDS functional.
7. Miscellaneous Equipment (FY 1997 - \$3,030 Million) The Miscellaneous Equipment budget line provides for various types of equipment and sustainment activities required to support SOF. The line consists of relatively low cost procurement items such as Joint Operational Stocks, equipment supporting USSOCOM headquarters management, Active Noise Reduction helmet harnesses, etc., that do not reasonably fit in other USSOCOM procurement line item categories. Funds provide: joint operational stocks currently located at the SOF Support Activity at Lexington Bluegrass Army Depot; Navy Civil Engineering Support equipment (such as vehicles and materiel handling equipment) required to support Naval SOF.
8. SOF Planning and Rehearsal System (SOFPARS) (FY 1997 - \$1,876 Million) SOFPARS is an integrated family of mission planning systems, supported by extensive knowledge bases and imagery, that will be used by planners within the SOF command structure worldwide to plan and preview SOF missions. Major areas requiring automated support include data access and management, information fusion, image exploitation, mission planning and mission rehearsal (preview). SOFPARS focuses on the joint requirements to ensure interoperability and standardization of the SOF mission planning process. Funds upgrade previously procured portable mission planning systems and procure deployable desktop mission planners.
9. Operational Force Enhancements (FY 1997 - \$75,221 Million) Funds are required to support Classified Special Operations Forces projects and modifications. Details of these projects are available as required.
10. PSYOP Equipment (FY 1997 - \$7,794 Million) Funds provide for acquisition of Psychological Operations (PSYOP) equipment. The intent of PSYOP is to persuade selected target audiences to support U.S. national interests and to counter misinformation directed at U.S. forces. Funds will procure Manpack, vehicle/watercraft-mounted, and aircraft-mounted systems as part of the Family of Loudspeakers. Funds also procure the Deployable Print Production Center (DPPC), a state-of-the-art, computerized digital system capable of providing printed PSYOP products in forward locations and remote sites.

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FY 1997 PROCUREMENT PROGRAM

Appropriation: Procurement, Defensewide

Date: MARCH 1996

Millions of Dollars

<u>Line No.</u>	<u>Item Nomenclature</u>	<u>FY 1995</u>	<u>FY 1996</u>	<u>FY 1997</u>
<u>AVIATION PROGRAMS</u>				
40	RADIO FREQUENCY MOBILE ELECTRONIC TEST SET (RFMETS)	13.945	21.093	14.340
41	ROTARY WING UPGRADES AND SUSTAINMENT		8.415	4.788
42	SOF TRAINING SYSTEMS		21.151	1.074
43	MC-130H COMBAT TALON II	38.324	20.683	8.067
44	AC-130U GUNSHIP ACQUISITION	71.199	62.216	44.800
45/46	C-130 MODIFICATIONS	55.968	109.800	86.677
47	HH-53 MODIFICATIONS	6.743		
48	MH-47/MH-60 MODIFICATIONS	7.839		
49	OH-6 PROCUREMENT AND MODIFICATIONS	7.311		
50	AIRCRAFT SUPPORT	29.636	8.067	13.639
<u>SHIPBUILDING</u>				
51	PATROL COASTAL	33.954	19.520	
53	MK 8 MOD 1 SEAL DELIVERY VEHICLE (SDV)	11.792	11.028	9.255
54/55	SUBMARINE CONVERSION	6.071	4.647	8.913
56	MK V SPECIAL OPERATIONS CRAFT	14.522	35.884	41.211

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FY 1997 PROCUREMENT PROGRAM

Appropriation: Procurement, Defensewide

Date: MARCH 1996

Millions of Dollars

<u>Line No.</u>	<u>Item Nomenclature</u>	<u>FY 1995</u>	<u>FY 1996</u>	<u>FY 1997</u>
AMMUNITION PROGRAMS				
57	SOF ORDNANCE ACQUISITION (SOF PYRO/DEMO)	13.224	18.689	6.161
58	SOF PLATFORM GUN AMMUNITION	40.148		
59	SOF ORDNANCE REPLENISHMENT (SOF INDIVIDUAL WEAPONS AMMUNITION)	11.341	43.612	24.379
OTHER PROCUREMENT PROGRAMS				
60	LIGHT STRIKE VEHICLE		5.856	
61	MARITIME EQUIPMENT MODIFICATIONS		8.492	4.833
62	SPARES AND REPAIR PARTS		32.867	36.134
63	COMMUNICATIONS EQUIPMENT AND ELECTRONICS	19.610	33.349	26.617
64	SOF INTELLIGENCE SYSTEMS	23.488	25.731	19.833
65	SOF SMALL ARMS AND SUPPORT EQUIPMENT	8.804	10.764	10.613
66	SOF MARITIME EQUIPMENT (SPECIAL WARFARE EQUIPMENT)	9.840	6.842	5.030
67	DRUG INTERDICTION	2.801		
68	MISCELLANEOUS EQUIPMENT	3.191	5.216	3.030
69	SOF PLANNING & REHEARSAL SYSTEM	6.490	1.090	1.876
70	OPERATIONAL FORCE ENHANCEMENTS	85.936	78.370	75.221

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FY 1997 PROCUREMENT PROGRAM

Appropriation: Procurement, Defensewide

Date: MARCH 1996

Millions of Dollars

<u>Line No.</u>	<u>Item Nomenclature</u>	<u>FY 1995</u>	<u>FY 1996</u>	<u>FY 1997</u>
<u>OTHER PROCUREMENT PROGRAMS (Cont'd)</u>				
71	PSYOP EQUIPMENT	.018	19.595	7.794
TOTAL PROCUREMENT		522.195	612.977	454.285

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MODIFICATION SUMMARY

(TOA, Dollars in Millions)

System/Modification	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
C-130 MODIFICATIONS									
1. AN/AAR-44 Missile Launch Warning Receiver		4.855	4.623						9.478
2. APQ-170 Radar Upgrade (MC-130H)		8.888	8.146	8.072					25.106
3. ALQ-172 ECM Jammer Upgrade (AC-130H/U, MC-130H)	51.032	19.804	19.288	17.912	13.499	10.773	10.970		160.527
4. AN/AAQ-17 Infrared Detection Set (IDS) Upgrade (AC-130H/U)		8.350	9.341	12.273	1.909	4.836	4.612		41.321
5. APQ-122(V) Band Radar Update (MC-130B)	22.620	9.128	1.445						33.193
6. APR-46 ICS		.995							0.995
7. Center Wing Replacement (AC-130H, HC-130P/N, MC-130B)	124.160	3.412	9.162	7.534	6.523				150.791
8. Directional Infrared Countermeasures (DIRCM) (AC-130H/U, MC-130B/H)		5.101	23.381	15.220	51.275	77.012			171.989
9. Lifeline (AC-130U, MC-130H)	5.682	3.884	4.572						14.138
10. MC-130H Communications/Navigation Upgrade		10.069	4.834	6.935					21.838
11. Navigation Upgrades, Phase I (MC-130H)	16.426								16.426
12. FY 1990 Aircraft Modification Installations (AC-130H, HC-130P/N, MC-130B)	24.216	9.920		4.742					38.878
13. Active Noise Reduction		.041							0.041
14. IR Suppressor (AC-130H/U)	4.473	2.956							7.429
15. MC-130H Underbelly Protection Program			1.600						1.600
16. AC-130U APU Upgrade		1.276							1.276
17. MC-130H APU Upgrade		.565	2.275						2.840
18. ALQ-172 Low Band Jammer Upgrade (AC-130U, MC-130B/H)						11.380	13.563		24.943
19. F31 DIRCM (AC-130U, EC-130B, HC-130P/N, MC-130B/H)							14.874		14.874
20. EC/HC DIRCM (EC-130B, HC-130P/N)						20.585	11.714		32.299

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MODIFICATION SUMMARY

(TOA, Dollars in Millions)

System/Modification	FY0	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
C-130 MODIFICATIONS (Cont'd)										
21. AC-130H Upgrades						3.396	5.622	5.580		14.598
22. Low Light Level TV Replacement (AC-130H)		2.500		9.823	4.638	10.507	16.981	4.620		49.069
23. T56 Quick Engine Change Kits (AC-130H, MC-130B, HC-130)						4.701	15.925	15.804		36.430
24. Gas Turbine Replacement (AC-130H, MC-130B, HC-130)						1.726	2.727	4.927		9.380
25. HC-130 Upgrades						1.982	2.810	2.789		7.581
26. EC-130 Upgrades						.944	1.451	1.441		3.836
27. AC-130H LIDAR					4.273					4.273
28. ALE-47 Chaff and Flare Dispenser (AC-130H/U, EC-130B, HC-130P/N, MC-130E/H)							7.353	7.489	8.500	23.342
29. MC-130H Air Refueling Capability						10.098	11.239	17.384		38.721
30. AC-130U P3I						18.119	20.325	25.285		63.729
31. APR-46 Upgrades (AC-130H/U, MC-130E/H)							6.256	3.504		9.760
TOTAL FOR C-130 MODIFICATIONS	248.609	55.968	101.520	85.685	105.616	146.820	138.039	139.944	8.500	1,030.701
HH-53 MODIFICATIONS										
Interactive Defensive Avionics System (IDAS)	19.089	6.743								25.832
TOTAL FOR HH-53 MODIFICATIONS	19.089	6.743								25.832
MH-47/MH-60 MODIFICATIONS										
1. MH-47B Modifications	2.677	3.920								6.597
2. MH-60K Modifications	2.676	3.919								6.595
TOTAL FOR MH-47/MH-60 MODIFICATIONS	5.353	7.839								13.192

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MODIFICATION SUMMARY

(TOA, Dollars in Millions)

System/Modification	FYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
ROTARY WING UPGRADES AND SUSTAINMENT										
1. MH-60G Fuel Tanks			1.592	.192						1.784
2. MH-53J ALQ-162			.269							0.269
3. MH-53J AN/AAQ-18					2.831	2.810				5.641
4. MH-47/60 Aircraft Survivability Equip							14.329	18.500		32.829
5. MH-47/60 System Modifications					4.814		15.455	14.966		35.235
6. MH-47/60 Avionics Modifications							10.491	9.989		20.480
7. MH-47/60 Obstacle Avoidance System							3.747	4.183		7.930
TOTAL FOR ROTARY WING UPGRADES AND SUSTAINMENT			1.861	0.192		7.645	46.832	47.638		104.168
SOF ORDNANCE ACQUISITION										
Slinger Block I			4.787							4.787
TOTAL FOR SOF ORDNANCE ACQUISITION			4.787							4.787
SOF INTELLIGENCE SYSTEMS										
1. Multi-mission Advanced Tactical Terminal (MATT)	12.800	0.528	6.900	9.823	21.758	13.087	6.212	.934		72.042
2. PRIVATHEER			8.555		7.199	0.641				16.395
TOTAL FOR SOF INTELLIGENCE SYSTEMS	12.800	0.528	15.455	9.823	28.957	13.728	6.212	0.934		88.437
MARITIME EQUIPMENT MODIFICATIONS										
1. MK V SOC Weapons				3.607	3.798	.085				7.490
2. MK V SOC Forward Looking Infrared					1.491	20.205				21.696
3. PC Command and Control Software Upgrades			.855	.338	.248	.123	.122			1.686

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MODIFICATION SUMMARY

(TOA, Dollars in Millions)

System/Modification	FY's	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
MARITIME EQUIPMENT MODIFICATIONS (Cont'd)										
4. PC Stern Flap Modification			.231	.052	.057					0.340
5. PC Active Noise Cancellation		.869	.067	.057						0.993
6. PC Bridge Wing Controls		.300	.183	.052						0.535
7. PC Threat Warning System		\$1.133								5.133
8. PC Forward Looking Infrared Upgrade						9.999	2.770	.347		13.116
9. PC Propeller Upgrade		1.192	.212	.331						1.735
10. PC Mission Dependent Modular Air Deck						2.141	2.030	2.113		6.284
11. PC Surface-to-Surface Missile System						15.441	29.593	46.812		91.846
TOTAL FOR MARITIME EQUIPMENT MODIFICATIONS		8.349	4.638	6.029		48.051	34.515	49.272		150.854
TOTAL FOR ALL MODIFICATIONS	285.851	71.078	131.972	100.338	140.602	216.244	225.598	237.788	8.500	1,417.971
			131.972							

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PROCUREMENT PROGRAM - INSTALLATION SUMMARY

(TOA, Dollars in Millions)

System/Modification	FY0	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
C-130 MODIFICATIONS										
AC-130H LOW LIGHT LEVEL TV (LLTV) REPLACEMENT						0.300	0.800	.500	.300	1.900
UARRSI	7.500									7.500
ALQ-172 ECM JAMMER UPGRADE				.800	1.600	.400				2.800
CENTER WING REPLACEMENT	42.900	3.412	9.162	7.534	6.523					69.531
LIFELINE	0.500		4.572							5.072
FY 1990 AIRCRAFT MODIFICATION INSTALLATIONS	24.176	9.920			4.742					38.838
NAVIGATION UPGRADES, PHASE I	.600									0.600
TOTAL C-130 MODIFICATIONS	75.676	13.332	13.734	8.334	12.865	0.700	0.800	0.500	0.300	126.241
HH-53 MODIFICATIONS										
INTERACTIVE DEFENSIVE AVIONICS SYSTEM (IDAS)										
TOTAL FOR HH-53 MODIFICATIONS										
* INSTALLATION COSTS LESS THAN \$50K										
ROTARY WING UPGRADES AND SUSTAINMENT										
MH-600 FUEL TANKS				0.192						0.192
TOTAL FOR ROTARY WING UPGRADES AND SUSTAINMENT				0.192						0.192
SOF INTELLIGENCE SYSTEMS										
MULTI-MISSION ADVANCED TACTICAL TERMINALS (MATT)					4.200	5.400	3.600			13.200
TOTAL FOR SOF INTELLIGENCE SYSTEMS					4.200	5.400	3.600			13.200
MARITIME EQUIPMENT MODIFICATIONS										
PATROL COASTAL C2 SOFTWARE UPGRADE			.600							0.600

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PROCUREMENT PROGRAM - INSTALLATION SUMMARY

(TOA, Dollars in Millions)

System/Modification	FYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
MARITIME EQUIPMENT MODIFICATIONS (Cont'd)										
PATROL COASTAL STERN FLAP MODIFICATION				.100	.052	.057				0.209
PATROL COASTAL ACTIVE NOISE CANCELLATION				.067	.057					0.124
PATROL COASTAL BRIDGE WING CONTROLS				.183	.052					0.235
PATROL COASTAL FORWARD INFRARED UPGRADE							1.193	.347		1.540
PATROL COASTAL PROPELLER UPGRADE				.212	.331					0.543
MK V SPECIAL OPERATIONS CRAFT WEAPONS					.100	.090				0.190
TOTAL FOR MARITIME EQUIPMENT MODIFICATIONS			0.600	0.562	0.592	0.147	1.193			3.094
TOTAL FOR ALL MODIFICATIONS	75.676	13.332	14.334	9.088	17.657	6.247	5.593	0.847	0.300	143.074

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SPARE and REPAIR PARTS

USSOCOM / Procurement, Defensewide Summary

Service: United States Special Operations Command

Submission: FY 1997 President's Budget
Date: March 1996

Millions of Dollars

<u>APPROPRIATION</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>
PROCUREMENT - AVIATION	1.534	25.074	20.296
PROCUREMENT - SHIPBUILDING		7.793	15.838
TOTAL SPARE AND REPAIR PARTS	1.534	32.867	36.134

Note: FY 95 costs are in Aircraft Support P-1.

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BUDGET ITEM JUSTIFICATION SHEET		DATE								MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE RADIO FREQUENCY MOBILE ELECTRONIC TEST SET									
		FY95	FY96	FY97	FY98	FY99	FY00	FY01			
QUANTITY											
COST (In Millions \$)		13.945	21.093	14.340	1.388	8.758	2.343		.774		

MISSION AND DESCRIPTION: The Radio Frequency Mobile Electronic Test Set (RFMETS) is a program to provide Special Operations Forces (SOF) common mobile intermediate-level tester for critical avionics of the AC-130H, AC-130U and MC-130H aircraft. In 1991, the program began procurement of 20 off-the-shelf test units and the development of software test program sets (TPSs), and ancillary equipment for certain Line Replaceable Units (LRUs). This program provides organic depot-level repair capability for the Shop Replaceable Units (SRUs) in the LRUs for: MC-130H APQ-170 Radar; AC-130U APQ-180 Radar; APQ-102 Mission Computer; displays, communications, and control LRUs; and the AC-130H communications and display LRUs.

FY 1997 PROGRAM JUSTIFICATION: Funds will be used primarily to procure the initial subset (approximately 30%) of the TPSs required for organic depot-level repair capability of the MC-130H APQ-170 Radar as well as to acquire depot capability for the common AP-102A Mission Computer. Funds will also be used to complete the acquisition of the organic intermediate level support capability of the AC-130U ALLTV. Not obtaining these capabilities would require maintaining the more costly contractor logistics support for this program. Funds are also required for ECPs to ongoing contracts for LRU and SRU TPS development.

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P-1 SHOPPING LIST, ITEM NO. 40

Page 1 of 1 Pages
EXHIBIT P-5, Weapon System Cost Analysis

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BUDGET ITEM JUSTIFICATION SHEET		DATE								MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE ROTARY WING UPGRADES AND SUSTAINMENT									
		FY95	FY96	FY97	FY98	FY99	FY00	FY01			
QUANTITY											
COST (In Millions \$)			8.415	4.788	6.106	18.803	61.491	66.980			

MISSION AND DESCRIPTION: A requirement exists to provide aviation support to Special Operations Forces in world-wide contingency operations and low-intensity conflicts. The specialized aircraft for these missions must be capable of rapid deployment 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 Special Operations Forces. The threat is capable of sophisticated data linked systems and/or simple autonomous ground-based units with an air-to-air capability specifically targeted against rotary wing aircraft. Third world operations are apt to involve greater distances and more challenging geographical environmental conditions than the European theater. Program provides for ongoing survivability, reliability, maintainability, and operational upgrades as well as procurement appropriation sustainment cost for fielded rotary wing aircraft and subsystems. These include the MH-60G/L/K, MH-53J, TH-53A, and MH-47D/E helicopters.

1. MH-47E/MH-60K. Provides for digital terrain module memory upgrade for compressed Defense Mapping Agency data, ARC-210/Demand Assigned Multiple Access modem integration per Joint Chiefs of Staff directive for standardization, Night Vision Head Up Display standardization and aircraft integration, and ALQ-136/162 aircraft survivability equipment amplifier upgrade.

FY 1997 PROGRAM JUSTIFICATION: Supports several subsystem upgrade efforts. Improves and increases the digital map system memory storage and transfer system; provides for standardization and aircraft integration of the Night Vision Head Up Display; and upgrades the amplifier of the ALQ-136/162 aircraft survivability equipment.

P-1 SHOPPING LIST, ITEM NO. 41

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Page 1 of 2 Pages
EXHIBIT P-40 Budget Item Justification Sheet

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		MARCH 1996
P-1 ITEM NOMENCLATURE ROTARY WING UPGRADES AND SUSTAINMENT		
2. MH-60G. Acquires and makes needed aircraft modifications to install external 230 gallon fuel tanks for extended range operations. Acquires two Portable Engine Analysis Test Sets (PEATS). Funds AAQ-16 Forward Looking Infrared (FLIR) Interim Contractor Support. FY 1997 PROGRAM JUSTIFICATION: Provides for installation of external fuel tanks for extended range operations. 3. MH-53J. Funds reliability/maintainability upgrades for the ALQ-162 and AAQ-18.		
MODIFICATION SUMMARY FOR ROTARY WING AIRCRAFT		
<u>DESCRIPTION</u>	<u>FY 95</u>	<u>FY 96</u> <u>FY 97</u> <u>FY 98</u> <u>FY 99</u> <u>FY 01</u>
1. MH-60G Fuel Tanks		
2. MH-53J ALQ-162	1.592	.192
3. MH-53J AN/AAQ-18	.269	
4. MH-47/60 Aircraft Survivability Equip		2.831
5. MH-47/60 System Modifications		14.329
6. MH-47/60 Avionics Modifications		15.455
7. MH-47/60 Obstacle Avoidance System		10.491
TOTAL	1.861	0.192
		7.645
		46.832
		47.638

P-1 SHOPPING LIST, ITEM NO. 41

Page 2 of 2 Pages
EXHIBIT P-40 Budget Item Justification Sheet

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: March 1996			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2			C. P-1 ITEM NOMENCLATURE ROTARY WINGS UPGRADES AND SUSTAINMENT							
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
2. MH-60G C. PEATS FY 96	Howell Instruments Ft. Worth, TX	Local Purchase	N/A	JUN 96	DEC 96	2	158,000			
D. REMARKS										

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INDIVIDUAL MODIFICATION

MODIFICATION TITLE: MH-60G FUEL TANKS

MODELS OF SYSTEMS AFFECTED: MH-60G

DESCRIPTION/JUSTIFICATION:

External 230 gallon fuel tanks upgrade for aerial refueling capability (two fuel tanks per aircraft).

DATE: MARCH 1996

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

PDR: Sep 94; CDR: Nov 94; 1st trial install: 1st Qtr FY95; 1st production install: 1st Qtr FY97, Aircraft Breakout: 0 ANG; 0 ARFES; 10 Active (Pave Hawk)

FINANCIAL PLAN: (\$ in millions)

FYs	QTY	\$	QTY	\$	FY95	QTY	\$	FY96	QTY	\$	FY97	QTY	\$	FY98	QTY	\$	FY99	QTY	\$	FY00	QTY	\$	FY01	QTY	\$	TC	QTY	\$	TOTAL
-----	-----	----	-----	----	------	-----	----	------	-----	----	------	-----	----	------	-----	----	------	-----	----	------	-----	----	------	-----	----	----	-----	----	-------

RD7&E

PROCUREMENT

Installation Kits					20	1.4																								20	1.4
Installation Kit Nonrecurring					20	0.1																								20	0.1
Equipment																															
Equipment Nonrecurring																															
Engineering Change Orders																															
Mod of Spares (20)																															0.1

Installation of Hardware

FY's																															
FY95																															
FY96																															
FY97																															
FY98																															
FY99																															
FY00																															
FY01																															
To Complete																															

Total Installation Cost

20 0.2

Total Procurement Cost

1.6 0.2 1.8

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 41

DEPOT

Current Year: --

Current Year: --

ADMINISTRATIVE LEADTIME: 6 MONTHS

Budget Year 1: 2/96

Budget Year 1: 2/97

PRODUCTION LEADTIME: 12 MONTHS

Budget Year 2: --

Budget Year 2: --

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MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MH-60G FUEL TANKS
INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4
PY												
FY 95												
FY 96												
FY 97												
FY 98												
FY 99												
FY 2000									10		10	
FY 2001												

QUARTERS OUTPUT	FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4
PY												
FY 95												
FY 96												
FY 97												
FY 98												
FY 99												
FY 2000									10		10	
FY 2001												

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MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MH-60G FUEL TANKS
INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		20
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		20
FY 2001																		

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BUDGET ITEM JUSTIFICATION SHEET						DATE	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SOF TRAINING SYSTEMS						
		FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY			1			1		
COST (In Millions \$)			21.151	1.074	.477	8.535		
MISSION AND DESCRIPTION: This P-1 line funds procurement of ground-based trainers to support initial training. Also funds Data Base Generating Equipment required for building and maintaining real-world training and mission rehearsal scenarios. FY97 PROGRAM JUSTIFICATION: Procures initial Gunship Aircrew/Maintenance Training System Battle Management Center support subsystems.								

P-1 SHOPPING LIST, ITEM NO. 42

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SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$000)										DATE: MARCH 1996	
Appropriation / P-1 Line Item Procurement, Defensewide / SOF Training Systems				Weapon System Special Operations Forces				Equipment Nomenclature AC-130U Gunship Aircrew/Maintenance Training Systems (GA/MTS)			
Fin Plan	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	Total		
Quantity	0	0	1	0	0	1	0		2		
Procurement			21,151	1,074	477	8,535			31,237		
RDT&E			2,437	9,759	11,985	8,103	9,333	1,871	43,488		
O&S				1,249	1,344	1,435	1,477	1,522	7,027		

TRAINING SYSTEM DESCRIPTION:

This project funds the AC-130U Gunship Aircrew/Maintenance Training Systems (GA/MTS) and the Satellite SOPREP Data Base Generation System (DBGS). Supports SOF rotary wing aircraft and develops training capabilities for SOF fixed wing aircraft. The GA/MTS develops an integrated, ground-based combination training and mission rehearsal system to support initial, mission, special qualification, continuation, upgrade and maintenance training for the AC-130U Gunship aircraft. The need for GA/MTS is driven by inadequate ground-based training or mission rehearsal capability for the aircrew and maintenance personnel. The GA/MTS will consist of two primary components. The first component, Battle Management Center (BMC) tested, will refine requirements for system fidelity and provide an initial operational capability for the Navigator and Fire Control Officer (NAV/FCO) crew stations. The second component will build a complete BMC with a NAV/FCO, All Light Level Television and Forward Looking Infrared Radar sensor operator, and electronic warfare officer crew stations and a flight station with full fidelity, six degrees of freedom motion simulation for the pilots and flight engineers. Additionally, the Instructor Operator Station will provide role-playing capabilities. GA/MTS will be networked with other AFSOC mission rehearsal devices. The Satellite SOPREP DBGS consists of a workstation (mini-DBGS) used to enhance data bases required for joint training and mission rehearsal.

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REMARKS:

- * GA/JMTS BMC Testbed - Gunship Aircrew/Maintenance Training Systems Battle Management Center Testbed provides residual training capability for Navigator/Fire Control Officer crew stations.
- ** GA/JMTS ATD - Gunship Aircrew/Maintenance Training Systems Aircrew Training Device includes complete BMC and flight deck.

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SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3) (\$000)										DATE: MARCH 1996		
Training Device by Type AC-130U Gunship Aircrew/Maintenance Training Systems (GA/MTS)						Weapon System Special Operations Forces						
Description/Justification: A contractor-managed, simulator-type aircrew training system which produces a qualified aircrew member. Funds procurement and deployment of an initial operational capability Battle Management Center trainer and testbed and a full operational capability Aircrew Training System providing real-world mission training and rehearsal capability for AC-130 aircraft. Also funds procurement of a SOPREP Mini-Data Base Generation System (DBGS).												
Financial Plan	Prior Years		FY 1995		FY 1996		FY 1997		Cost to Complete		Total Cost	
	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost
HARDWARE COSTS												
Device (Hardware)					1	17,851			1	7,112	2	24,963
ECOs						1,000				800		1,800
Nonrecurring												
GFE												
Other						1,300						1,300
Total Hardware Costs						20,151				7,912		28,063
SUPPORT COSTS												
Special SE (Mini-DBGS)						500						500
Integrated Log Support												
Other (Spares/Data/Misc.)						500		1,074		1,100		2,674
Total Support Costs						1,000		1,074		1,100		3,174
Software/Courseware												
TOTAL COSTS						21,151		1,074		9,012		31,237

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BUDGET ITEM JUSTIFICATION SHEET		DATE								MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE MC-130H COMBAT TALON II									
		FY95	FY96	FY97	FY98	FY99	FY00	FY01			
QUANTITY											
COST (In Millions \$)		38.324	20.683	8.067	5.326	3.869					

MISSION AND DESCRIPTION: The Combat Talon (CT II) is a production and sustainment program in which a specialized avionics suite has been integrated into a C-130H airframe. Its mission is to conduct night, adverse weather, low-level, long-range operations in hostile, politically denied/sensitive, defended areas to infiltrate, resupply, or exfiltrate special operations forces and equipment. All 24 MC-130H aircraft have been procured in prior years. Ongoing efforts focus on meeting operational requirements in the System Operational Requirements Document by establishing organic intermediate and depot level maintenance capability on the APQ-170 Radar, nose radome, and AP-102A Mission Computer. All sustainment upgrades and modifications for the MC-130H airframe are now described in the C-130 Modifications P-1 line.

FY 1997 PROGRAM JUSTIFICATION: Provides resources for interim contractor support to meet system maintenance requirements until organic depot facilities are in place, avionics Government furnished equipment, and publications/technical data printing.

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Aviation		A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2		B. Wpn Model/Serial/Popular Name MC-130H/Combat Talon II		C. Manufacturer Name, Plant City/State Location Lockheed/Loral (IDN)/Marietta, GA		DATE: MARCH 1996	
Weapon System Cost Elements	Ident. Code	FY 1995		FY 1996		FY 1997			
		Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	Total Cost
ENGINE/ACCESSORIES									
AVIONICS									
a. CFE	N/A			3,153					
b. GFE	N/A			1			1,203		204
SERVICE REPORTS/PQDRs	N/A								
OTHER GFE									
ECO (All Flyaway Components)									
NON-RECURRING COSTS				2517					
(Tooling)									
(Other)	N/A								
OTHER COSTS	N/A								
Subtotal FLYAWAY COST				5,671			1,203		204
AIRFRAME FGSE	N/A			6,871					
EXTEND. INTEG. SPT. ENVIRON. (EISE)	N/A						17,008		
AVIONICS FGSE	N/A			2,580					
PECULIAR TRAINING EQUIPMENT									
PUBLICATIONS/TECH. DATA	N/A			18					30
INTERIM CONTRACTOR SUPPORT	N/A			18,911			1,937		7,499
OTHER				4,273			535		334
Subtotal SUPPORT COST				32,653			19,480		7,863
GROSS P-1 END COST				38,324			20,683		8,067
LESS: PRIOR YR. ADV. PROC.									
NET P-1 FULL FUNDING COST				38,324			20,683		8,067
Plus Current Year ADV. PROC.									
Other Non P-1 Weapon System Costs									
Initial Spares									
Modification Summary									
TOTAL				38,324			20,683		8,067

P-1 SHOPPING LIST, ITEM NO. 43

Page 1 of 1 Pages
EXHIBIT P-5, Weapon System Cost Analysis

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BUDGET ITEM JUSTIFICATION SHEET		DATE							
		MARCH 1996							
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE AC-130U GUNSHIP							
		FY95	FY96	FY97	FY98	FY99	FY00	FY01	
QUANTITY									
COST (In Millions \$)		71.199	62.216	44.800	34.696	18.694	18.414	8.330	

MISSION AND DESCRIPTION: The AC-130U is a new production C-130H airframe converted to a side-firing gunship configuration with advanced sensors, weapons and a digital avionics suite that will provide enhanced operational capability and reliability over the current AC-130H. Mission equipment will include automated fire control radar that will give the AC-130U all-weather strike capability, Infrared Detection System and All Light Level Television. A Trainable Gun Mount System for the 25mm cannon will give the AC-130U dual target tracking capability. Further enhancements to the AC-130U are a pressurized cabin for deployment plus inflight reconfiguration-for-firing ability. The primary mission for the AC-130U will be precision fire support for Special Operations Forces, but it will have the flexibility to perform armed escort, surveillance, search and rescue, and armed reconnaissance.

FY 1997 PROGRAM JUSTIFICATION: Provides resources for post production support and continued interim contractor support (ICS) of contractor furnished support equipment. ICS will provide the capability to maintain the aircraft avionics and software until the entire weapon system becomes completely organic for support in the FY 2000 - FY 2001 time-frame. Resources are also provided for the modification of technical orders.

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Aviation	A. Appropriation/Budget Activity Title/No. Procurement, Defense/Id/Proc. Just./2			B. Wpn Model/Serial/Popular Name AC-130U GUNSHIP			C. Manufacturer Name, Plant City/State Location Lockheed/Rockwell Int'l., Palmdale, CA			DATE: MARCH 1996	
	Ident. Code			FY 1995			FY 1996			FY 1997	
				Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	Total Cost
Weapon System Cost Elements											
AIRFRAMES/CFE											
ENGINE/ACCESSORIES											
a. CFE											
b. GFE	A					3,196					
ARMAMENT											
ECO (All Flyaway Components)											
SERVICE REPORTS/PQDRs	N/A					12,535					
OTHER COSTS & ECO											
Subtotal FLYAWAY COST						15,731					
AIRFRAME PGSE											
ENGINE PGSE											
AVIONICS PGSE	A										
I LEVEL SUPPORT EQUIPMENT	A										
PUBLICATIONS/TECH. DATA	N/A					12,806					
INTERIM CONTRACTOR SUPPORT	N/A					32,665					28,278
INTERIM CONTRACTOR SUPPORT (SPTW.)	N/A					6,630					8,297
OTHER (GFE SPT/GFE-REP & SOFT SPT RD)	N/A					3,367					8,225
INITIAL SPARES											
Subtotal SUPPORT COST						55,468			62,216		44,800
GROSS P-1 END COST											
LESS: PRIOR YR. ADV. PROC.						71,199			62,216		44,800
NET P-1 FULL FUNDING COST											
Plus Current Year ADV. PROC.						71,199			62,216		44,800
Other Non P-1 Weapon System Costs											
Initial Spares	N/A										
Modifications											
TOTAL						71,199			62,216		44,800

P-1 SHOPPING LIST, ITEM NO. 44

Page 1 of 1 Pages
EXHIBIT P-5, Weapon System Cost Analysis

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		SEPTEMBER 1995									
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS									
	FY95	FY96	FY97	FY98	FY99	FY00	FY01				
QUANTITY											
COST (In Millions \$)	55.968	109.800	86.677	117.011	146.820	138.039	139.944				

FY 1997 PROGRAM JUSTIFICATION: Procures final ALQ-172 Pavé Mint Low Band Jammer system for the AC-130H and funds for the production installation of the first two production ALQ-172 systems. Procures seven Directional Infrared Countermeasures Systems and installs 16 systems. Funds for the procurement of nine and installation of five AAQ-17 Infrared Detection Set systems; procures and installs 12 Single Channel Ground-to-Air Radio Systems, Narrow Band Satellite Communications, Automatic Communications Processor, and 3.5 inch data transfer systems on the MC-130H. Installs seven center wing boxes on Special Operations Forces aircraft; funds for high priority AC-130U service reports selected from a list of 82 defined, out-of-scope deficiencies discovered during flight test; funds for reliability and maintainability upgrades on the MC-130H APQ-170 radar identified by the field and during lab testing; procures and installs the first 16 Underbelly Protection Systems for MC-130H aircraft; upgrades 16 auxiliary power units (85-180L) MC-130H aircraft; modifies the last 65 AAR-44 Missile Warning Receivers; funds interim contractor support on the APQ-122 upgrade; and funds for the upfront non-recurring engineering on the AC-130H Low Light Level TV.

P-1 SHOPPING LIST, ITEM NO. 45/46

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE		SEPTEMBER 1995				
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS						
		MODIFICATION SUMMARY FOR C-130 AIRCRAFT						
DESCRIPTION		FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
1. AN/AAR-44 Missile Launch Warning Receiver			4.855	4.623				
2. APQ-170 Radar Upgrade (MC-130H)			8.888	8.146	8.072			
3. ALQ-172 Electronic CM Jammer Upgrade (AC-130H/U, MC-130H)		19.804	19.288	17.912	17.249	13.499	10.773	10.970
4. AN/AAQ-17 Infrared Detection Set (IDS) Upgrade (AC-130H/U)		8.350	9.341	12.273	1.909	4.836	4.612	
5. APQ-122(V) Band Radar Update (MC-130E)			9.128	1.445				
6. APR-46 ICS (AC-130H/U, MC-130E/H)			.995					
7. Center Wing Replacement (AC-130H, HC-130P/N, MC-130E)		3.412	9.162	7.534	6.523			
8. Directional Infrared Countermeasures (DIRCM) (AC-130H/U, MC-130E/H)		5.101	23.381	15.220	51.275	77.012		
9. Lifeline (AC-130U, MC-130H)		3.884	4.572					
10. MC-130H Communications/Navigation Upgrade			10.069	4.834	6.935			
11. FY 1990 Aircraft Modification Installations (AC-130H, HC-130P/N, MC-130E)		9.920			4.742			
12. Active Noise Reduction		.041						
13. IR Suppression (AC-130H/U)		2.956						
14. MC-130H Underbelly Protection Program				1.600				

P-1 SHOPPING LIST, ITEM NO. 45/46

UNCLASSIFIED

Page 2 of 4 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE		SEPTEMBER 1995					
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS								
MODIFICATION SUMMARY FOR C-130 AIRCRAFT (Cont'd.)									
		<u>DESCRIPTION</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>	<u>FY 00</u>	<u>FY 01</u>
15. AC-130U APU Upgrade				1.276					
16. MC-130H APU Upgrade				.565	2.275				
17. Low Light Level TV Replacement (AC-130H)			2.500		9.823	4.638	10.507	16.981	4.620
18. Other Outyear Modifications:									
A. ALQ-172 Low Band Jammer Upgrade (AC-130U, MC-130E/H)								11.380	13.563
B. P31 DIRCM (AC-130H/U, EC-130E, HC-130P/N, MC-130E/H)									14.874
C. EC/HC DIRCM (EC-130E, HC-130P/N)								20.585	11.714
D. AC-130H Upgrades							3.396	5.622	5.580
E. T56 Quick Engine Change Kits (AC-130H, MC-130E, HC-130)							4.701	15.925	15.804
F. Gas Turbine Replacement (AC-130H, MC-130E, HC-130)							1.726	2.727	4.927
G. HC-130 Upgrades							1.982	2.810	2.789
H. EC-130 Upgrades							.944	1.451	1.441
I. AC-130H LIDAR						4.273			

P-1 SHOPPING LIST, ITEM NO. 45/46

UNCLASSIFIED

Page 3 of 4 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE		SEPTEMBER 1995		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS				
MODIFICATION SUMMARY FOR C-130 AIRCRAFT (Cont'd.)						
DESCRIPTION	FY 95	FY 96	FY 97	FY 98	FY 00	FY 01
J. ALE-47 Chaff and Flare Dispenser (AC-130 H/U, EC-130E, HC-130P/N, MC-130E/H)					7.353	7.489
K. MC-130H Air Refueling Capability				10.098	11.239	17.384
L. AC-130U P3I				18.119	20.325	25.285
M. APR-46 Upgrades (AC-130H/U, MC-130E/H)					6.256	3.504
TOTAL	55.968	101.520	85.685	105.616	138.039	139.944

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Aviation	A. Appropriation/Budget Procurement, Defensewide/Proc. Just./2		B. Wpn Model/Serial/Popular Name C-130 MODIFICATIONS		C. Manufacturer Name, Plant City/State Location TBD		DATE: MARCH 1996	
							FY 1995	
Weapon System Cost Elements	Ident. Code						FY 1996	
							Unit Cost	Total Cost
AIRFRAMES/CFE								
ENGINE/ACCESSORIES								
a. CFE								
b. GFE								
ECO (All Flyaway Components)								
SERVICE REPORTS/PQDRs	N/A							992
OTHER COSTS & ECO								
Subtotal FLYAWAY COST								992
AIRFRAME PGSE								
ENGINE PGSE								
AVIONICS PGSE								
I LEVEL SUPPORT EQUIPMENT								
PUBLICATIONS/TECH. DATA								
INTERIM CONTRACTOR SUPPORT								
OTHER								
INITIAL SPARES								
Subtotal SUPPORT COST								
GROSS P-1 END COST								992
LESS: PRIOR YR. ADV. PROC.								
NET P-1 FULL FUNDING COST								992
Plus Current Year ADV. PROC.								
Other Non P-1 Weapon System Costs								
Initial Spares								
Modifications								85,685
TOTAL								86,677

P-1 SHOPPING LIST, ITEM NO. 45/46

Page 1 of 1 Pages
EXHIBIT P-5, Weapon System Cost Analysis

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AN/AAR-44 MISSILE LAUNCH WARNING RECEIVER (MLWR) SYSTEM IMPROVEMENT MODIFICATION (SIM)

MODELS OF SYSTEMS AFFECTED: AC-130H/U, MC-130E/H, HC-130N/P, C-141B SOLL II

DESCRIPTION/JUSTIFICATION:

The AN/AAR-44 MLWR will be permanently modified to reduce false alarms. The design effort will be to modify the Sensor Unit (SU) and Signal Processor Unit (SPU). The SU will be changed to reduce the volume of data transfer from the SU to the SPU. The SPU will be changed by upgrading the controlling processor, increasing the message size and incorporating new software algorithms to improve threat tracking. In addition, electronically erasable permanent read-only memory will be added to allow for flightline reprogramming.

DEVELOPMENT STATUS/MAJOR MILESTONES: Letter contract awarded Nov 94. Contract definitized APR 95. Flight test of prototype scheduled for Nov-Dec 95. Production decision scheduled for Jan 96. Production contract would be awarded Feb 96. Installation would begin Oct 96. (Aircraft Breakout: ANG 0, AFRES 0, Active 50).

FINANCIAL PLAN: (\$ in millions)

RD T&B

PROCUREMENT

Installation Kits					
Installation Kit Nonrecurring					
Equipment	35	1.5	65	2.6	100° 4.1
Equipment Nonrecurring					
Modification of Spares		1.5		1.7	3.2
Interim Contractor Support		1.0		0.3	1.3
Data					
Support Equipment		0.9			0.9

Installation of Hardware

FY96	
FY95	
FY96	
FY97	
FY98	
FY99	
FY00	
FY01	
To Complete	

Total Installation Cost

• Two per aircraft

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:**DELIVERY DATE:**

P-1 SHOPPING LIST, ITEM NO. 45/46

ORGANIC

Current Year: 2/96

Current Year: 4/96

4.9

4.6

ADMINISTRATIVE LEADTIME: 6 MONTHS

Budget Year 1: 2/97

Budget Year 1: 4/97

PRODUCTION LEADTIME: 5 MONTHS

9.3

Page 1 of 1
EXHIBIT P-3A

UNCLASSIFIED

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: APQ-170 RADAR UPGRADES

MODELS OF SYSTEMS AFFECTED: MC-130H

DESCRIPTION/JUSTIFICATION:

This program funds a reliability and maintainability upgrade for the APQ-170 radar. The specific R&M package is a compilation of fixes to field reported problems and lab testing fixes determined under the main MC-130H Combat Talon II production effort. Modifications are form, fit, and function replacements for current radar components. All 66 radar equivalent ship sets will be retrofitted by the contractor. These 66 ship sets are comprised of 24 aircraft, six hot mock-ups, two sets in lab testing at the contractor facility, and 34 spare sets. These funds will be used to procure the upgrade kits and perform the actual retrofit. The installation schedule will be driven by failure rates.

DATE: MARCH 1996

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Contract Award: May 96; (Aircraft Breakout: 0 ANG; 0 AFRES; 24 Active)

FINANCIAL PLAN: (\$ in millions)

FYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TC	TOTAL
Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$

RDT&E

PROCUREMENT

Installation Kits									
Installation Kit Nonrecurring									
Equipment		20	7.9	22	7.9	22	7.9		64
Equipment Nonrecurring		2	0.8						2
Engineering Change Orders									0.8
Data			0.2		0.2				0.6

Installation of Hardware

FYs	
FY95	
FY96	
FY97	
FY98	
FY99	

Total Installation Cost

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 45/46

ORGANIC

Current Year: 2/96

Current Year: 4/96

8.9

8.1

8.1

ADMINISTRATIVE LEADTIME: 13 MONTHS

PRODUCTION LEADTIME: 6 MONTHS

Budget Year 1: 1/97

Budget Year 1: 2/98

Budget Year 2: 1/98

Budget Year 2: 2/99

25.1

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: ALQ-172 ELECTRONIC COUNTERMEASURE JAMMER UPGRADE

INSTALLATION SCHEDULE:

QUARTERS
INPUT

PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4
1			

FY 1997			
1	2	3	4
		1	1

QUARTERS
OUTPUT

PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4
		1	

FY 1997			
1	2	3	4
		1	1

P-1 SHOPPING LIST, ITEM NO. 45/46

UNCLASSIFIED

MODIFICATION TITLE: ALQ-172 ELECTRONIC COUNTERMEASURE JAMMER UPGRADE
INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		1
FY 95	1																	3
FY 96		1	1	1														3
FY 97					1													1
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		1
FY 95	1																	3
FY 96			1	1														3
FY 97						1												1
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AN/AQ-17 INFRARED DETECTION SET UPGRADE

MODELS OF SYSTEMS AFFECTED: AC-130U, AC-130H

DESCRIPTION/JUSTIFICATION:

Program modifies the optics on the AN/AAQ-17 Infrared Detection Set (IDS) currently installed on 21 AC-130H/U gunship aircraft. By taking advantage of new technologies, the magnification and resolution of the AAQ-17 IDS can be increased substantially allowing the aircraft to identify friendlies/targets while operating outside the range of threat systems. FY96 and FY97 funds for procurement of 12 enhanced AC-130U Gunship IDS modifications, isolated data, and support equipment.

DATE: MARCH 1996

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

CDR: Mar 96; Fit Test: 1st Qtr FY97; 1st Prod Install: 4th Qtr FY97; Trial Install: 1st Qtr FY97; (Aircraft Breakout: 0 ANG; 0 AFRES; 21 Active)

FINANCIAL PLAN: (\$ in millions)[illegible]

PROCUREMENT

[illegible]

Installation of Hardware

[illegible]

Total Installation Cost

* Installation costs funded under FY95 NRE: **Installation cost funded under basic contract production options.

Total Procurement Cost

IMPLEMENTATION:

CONTRACTOR

Current Year: 3/96

Current Year: 4/97

ADMINISTRATIVE

Budget Year 1: 3/97

Budget Year 1: 4/98

ADMINISTRATIVE LEADTIME:

Year 1: 3/97

Year 1: 4/98

SH.

Budget Year 2:

Budget Year 2:

PRODUCTION LEADTIME: 15 MONTHS

100

P-1 SHOPPING LIST. ITEM NO. 45/46

UNCLASSIFIED

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: AN/AAQ-17 INFRARED DETECTION SET UPGRADE

INSTALLATION SCHEDULE:

QUARTERS
INPUT

PY
FY 95
FY 96
FY 97
FY 98
FY 99
FY 2000
FY 2001

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4
2			
			3

QUARTERS
OUTPUT

PY
FY 95
FY 96
FY 97
FY 98
FY 99
FY 2000
FY 2001

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4
		2	
			3

UNCLASSIFIED

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: AN/AAQ-17 INFRARED DETECTION SET UPGRADE
INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		2
FY 96																		3
FY 97				6	3													9
FY 98																		
FY 99									7									7
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		2
FY 96																		3
FY 97				6	3													9
FY 98																		
FY 99																		7
FY 2000																		
FY 2001																		

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: APQ-122(V) BAND RADAR UPDATE

MODELS OF SYSTEMS AFFECTED: MC-130B

DESCRIPTION/JUSTIFICATION:

The current APQ-122(V) - 8 X band terrain avoidance radar has a low reliability of approximately 24 hours mean time between failures (MTBF). The lack of spares and reliable assemblies has complicated the management of this system. This upgrade will significantly increase the reliability and maintainability of the APQ 122 by increasing the MTBF to 40 hours. FY 96 will fund the last phase of this program. This phase will modify the X-Band Receiver Transmitter (R/T).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

(Aircraft Breakout: 0 ANG: 0 AFPS: 14 Active)

FINANCIAL PLAN: (\$ in millions)

[illegible]

RD T&B

PROCUREMENT

Installation Kits	13	3.5		13	3.5
Installation Kit Nonrecurring	1	1.5		1	1.5
Equipment		8.5	14	4.0	
Equipment Nonrecurring		6.5			12.5
Engineering Change Orders			0.4		6.5
Data		0.5	1.2		0.4
Training Equipment		1.6			1.7
Support Equipment		0.5			1.6
Interim Contractor Support			1.4		0.5
Modification of Spares			3.5		1.4
					3.5

Installation of Hardware

FY0	
FY95	
FY96	
FY97	
FY98	
FY99	
FY00	
FY01	
To Complete	

Total Installation Cost

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATED:

DELIVERY DATE:

P-1 SHOPPING LIST. ITEM NO. 45/46

22.6

ORGANIC

Current Year: 3/96

Current Year: 3/99

19

二

ADMINISTRATIVE LEADTIME: 9 MONTHS

Budget Year 1: 2/97

Budget Year 1: N/A

PRODUCTION LEAD TIME:

331

Page 1 of 1
EXHIBIT P-3A

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: CENTER WING REPLACEMENT

MODELS OF SYSTEMS AFFECTED: MC-130E/AC-130H/HC-130P/N

DESCRIPTION/JUSTIFICATION:

Replaces center wing on the MC-130H Combat Talon I, AC-130H Gunships and HC-130/PN tanker aircraft. Cracks, which substantiate the requirement to replace the center wing, have been found in spar caps at butt line 61. Cracks and crack growth in this critical structural area can be difficult to detect and the probability for their development is high given the low altitude flight profiles of the SOP fleet. This modification will extend the service life of the aircraft past the year 2010. FY96, FY97 and FY98 funds for center wing installations.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Trial install and kit proof complete. (Aircraft Breakout: 0 ANG; 0 AFRES; 50 Active)

FINANCIAL PLAN: (\$ in millions)[illegible]

RD1&B

PROCUREMENT

Installation Kits	50	89.8	50	89.8
Installation Kit Nonrecurring		14.0		14.0
Equipment				
Equipment Nonrecurring				
Engineering Change Orders				
Data		1.3		1.3
Support Equipment		3.9		3.9
Other				

Installation of Hardware

	16	42.9	11	3.4	11	9.2	7	7.5	5	6.5	50	69.5
PYs - 50 Center Wings												
FY95												
FY96												
FY97												
FY98												
FY99												
FY00												
FY01												
To Complete												
Total Installation Cost	16	42.9	11	3.4	11	9.2	7	7.5	5	6.5	50	69.5

Total Installation Cost

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:**DELIVERY DATE:**

P-1 SHOPPING LIST, ITEM NO. 45/46

DEPOT AND CONTRACTOR FACILITY

Current Year:

Current Year:

Budget Year 1:

Budget Year 1:

ADMINISTRATIVE LEADTIME: 24 MONTHS

Budget Year 2:

Budget Year 2:

PRODUCTION LEADTIME: 24

UNCLASSIFIED

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: CENTER WING REPLACEMENT

INSTALLATION SCHEDULE: (NOTE: 16 aircraft were input prior to FY95)

PY	FY 1995			
	1	2	3	4
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1996			
1	2	3	4
3	3	2	3

FY 1997			
1	2	3	4
2	1	2	2

PY	FY 1995			
	1	2	3	4
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1996			
1	2	3	4
3	3	2	3

FY 1997			
1	2	3	4
2	1	2	2

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: CENTER WING REPLACEMENT
INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY		1	3	1														50
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY		1	3	1	1	2	1											50
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: DIRECTIONAL INFRARED COUNTERMEASURES SYSTEM

MODELS OF SYSTEMS AFFECTED: AC-130H, AC-130U, MC-130H, MC-130E

DESCRIPTION/JUSTIFICATION:

DATE: MARCH 1996

Provides 39 SOF C-130 aircraft with a Directional Infrared Countermeasure (DIRCM) system capability. The DIRCM system will work in conjunction with other onboard self protection systems to enhance the aircraft's survivability against infrared guided missiles. Execution of this program is in concert with a joint United Kingdom/United States cooperative development/production effort.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

CDR: Oct 95: 1st trial install: 3rd Qtr FY96: 1st production install; 3rd Qtr FY97. (Aircraft Breakout: 0 ANG; 0 AFRES; 59 Active)

FINANCIAL PLAN: (\$ in millions)

FY0	FY95		FY96		FY97		FY98		FY99		FY00		FY01		TC		TOTAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
	22.0		22.6		8.8		3.7		6.1		2.1		2.1		2.1		69.5

PROCUREMENT

Group A Kits	1	.3	8	2.4	7	2.0	21	6.5	22	7.6	59	18.8
Group A Kit Nonrecurring												
Group B Kits		1.7		13.4		11.7		31.7		37.4		95.9
Group B Kit Nonrecurring												
Engineering Change Orders												
Data												
Support Equipment		2.3		3.0		1.2		6.4		7.9		20.8
Other		0.2				0.3		0.2		0.2		0.9
Equipment (Other)								1.1		23.9		25.0
Interim Contractor Support		0.6		4.6				5.4				10.6

Installation of Hardware

FY%					
FY95 - Install 1 DIRCM Kits	1	°			1
FY96 - Install 8 DIRCM Kits	8	°			8
FY97 - Install 7 DIRCM Kits	7	°			7
FY98 - Install 21 DIRCM Kits	21	°			21
FY99 - Install 22 DIRCM Kits	22	°			22
FY00					
FY01					
To Complete					

Total Installation Cost

• - Installation cost funded under Group A option.

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 45/46

CONTRACTOR FIELD TEAM

Current Year: 2/97

Current Year: 2/97

ADMINISTRATIVE LEADTIME: 6 MONTHS

Budget Year 1: 2/97

Budget Year 1: 1/98

PRODUCTION LEADTIME:

Budget Year 2: 1/98

Budget Year 2: 3/98

172.0

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EXHIBIT P-3A

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: DIRECTIONAL INFRARED COUNTERMEASURES SYSTEM
INSTALLATION SCHEDULE:

QUARTERS
INPUT

PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4
	1		
	3	3	2
		3	4

QUARTERS
OUTPUT

PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4
		1	
		3	3
		1	3

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: DIRECTIONAL INFRARED COUNTERMEASURES SYSTEM

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		1
FY 95																		8
FY 96																		7
FY 97																		21
FY 98	6	5	5	5														22
FY 99					6	6	5	5										
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		1
FY 95																		8
FY 96																		7
FY 97	2																	21
FY 98	3																	22
FY 99		6	5	5	5													
FY 2000									5									
FY 2001																		

UNCLASSIFIED

INDIVIDUAL MODIFICATION
MODIFICATION TITLE: MC-130H COMMUNICATIONS/NAVIGATION UPGRADE
MODELS OF SYSTEMS AFFECTED: MC-130H
DESCRIPTION/JUSTIFICATION:

DATE: MARCH 1996

This modification funds the integration of the following Air Force communications initiatives into the MC-130H: Single Channel Ground and Air Radio System (SINCGARS); Narrow Band Satellite Communications (SATCOM); Automatic Communications Processor (ACP); and Advanced Cryptographics (KV-100, TACTERM). This modification also incorporates a 3 1/2 inch computer disk drive system replacing the Data Transfer Module. The Group B hardware will be provided as government furnished equipment to the program from these initiatives. FY96 dollars will fund the nonrecurring engineering (NRE) for the integration of the Group B software integration and upfront procurement of two shipsets for the trial install and kit proof.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Preliminary Design Review (PDR): 2Q FY97; Critical Design Review (CDR): 3Q FY97; Trial Install: 3rd Qtr FY98; Flight Test: 1Q FY99; Ktr Proof: 1Q FY99; 1st Production Install: 3Q FY99. (Aircraft Breakout: 0 ANG; 0 PRES; 24 Active)

FINANCIAL PLAN: (\$ in millions)[illegible]

BDT&B

PROCUREMENT

Installation Kits										
Installation Kit Nonrecurring		2	6.9	12	2.3	10	3.0	22	5.3	2
Equipment										
Equipment Nonrecurring			0.4		0.8		0.6		1.4	
Engineering Change Orders					1.0				1.4	
					0.6		0.1		0.7	
Data			0.5						0.5	
Support Equipment					0.1				0.1	
Software Coding/Tests			2.3						2.3	
Trainer Integration							3.2		3.2	

Installation of Hardware

FYa		FYb		FYc		FYd		FYe		FYf		FYg		FYh		FYi		FYj		FYk		FYl		FYm		FYn		FYo		FYp		FYq		FYr		FYs		FYt		FYu		FYv		FYw		FYx		FYy		FYz		FYaa		FYab		FYac		FYad		FYae		FYaf		FYag		FYah		FYai		FYaj		FYak		FYal		FYam		FYan		FYao		FYap		FYaq		FYar		FYas		FYat		FYau		FYav		FYaw		FYax		FYay		FYaz		FYba		FYbb		FYbc		FYbd		FYbe		FYbf		FYbg		FYbh		FYbi		FYbj		FYbk		FYbl		FYbm		FYbn		FYbo		FYbp		FYbq		FYbr		FYbs		FYbt		FYbu		FYbv		FYbw		FYbx		FYby		FYbz		FYca		FYcb		FYcc		FYcd		FYce		FYcf		FYcg		FYch		FYci		FYcj		FYck		FYcl		FYcm		FYcn		FYco		FYcp		FYcq		FYcr		FYcs		FYct		FYcu		FYcv		FYcw		FYcx		FYcy		FYcz		FYda		FYdb		FYdc		FYdd		FYde		FYdf		FYdg		FYdh		FYdi		FYdj		FYdk		FYdl		FYdm		FYdn		FYdo		FYdp		FYdq		FYdr		FYds		FYdt		FYdu		FYdv		FYdw		FYdx		FYdy		FYdz		FYea		FYeb		FYec		FYed		FYef		FYeg		FYeh		FYei		FYej		FYek		FYel		FYem		FYen		FYeo		FYep		FYeq		FYer		FYes		FYet		FYeu		FYev		FYew		FYex		FYey		FYez		FYfa		FYfb		FYfc		FYfd		FYfe		FYff		FYfg		FYfh		FYfi		FYfj		FYfk		FYfl		FYfm		FYfn		FYfo		FYfp		FYfq		FYfr		FYfs		FYft		FYfu		FYfv		FYfw		FYfx		FYfy		FYfz		FYga		FYgb		FYgc		FYgd		FYge		FYgf		FYgg		FYgh		FYgi		FYgj		FYgk		FYgl		FYgm		FYgn		FYgo		FYgp		FYgq		FYgr		FYgs		FYgt		FYgu		FYgv		FYgw		FYgx		FYgy		FYgz		FYha		FYhb		FYhc		FYhd		FYhe		FYhf		FYhg		FYhi		FYhj		FYhk		FYhl		FYhm		FYhn		FYho		FYhp		FYhq		FYhr		FYhs		FYht		FYhu		FYhv		FYhw		FYhx		FYhy		FYhz		FYia		FYib		FYic		FYid		FYie		FYif		FYig		FYih		FYii		FYij		FYik		FYil		FYim		FYin		FYio		FYip		FYiq		FYir		FYis		FYit		FYiu		FYiv		FYiw		FYix		FYiy		FYiz		FYja		FYjb		FYjc		FYjd		FYje		FYjf		FYjg		FYjh		FYji		FYjj		FYjk		FYjl		FYjm		FYjn		FYjo		FYjp		FYjq		FYjr		FYjs		FYjt		FYju		FYjv		FYjw		FYjx		FYjy		FYjz		FYka		FYkb		FYkc		FYkd		FYke		FYkf		FYkg		FYkh		FYki		FYkj		FYkk		FYkl		FYkm		FYkn		FYko		FYkp		FYkq		FYkr		FYks		FYkt		FYku		FYkv		FYkw		FYkx		FYky		FYkz		FYla		FYlb		FYlc		FYld		FYle		FYlf		FYlg		FYlh		FYli		FYlj		FYlk		FYll		FYlm		FYln		FYlo		FYlp		FYlq		FYlr		FYls		FYlt		FYlu		FYlv		FYlw		FYlx		FYly		FYlz		FYma		FYmb		FYmc		FYmd		FYme		FYmf		FYmg		FYmh		FYmi		FYmj		FYmk		FYml		FYmm		FYmn		FYmo		FYmp		FYmq		FYmr		FYms		FYmt		FYmu		FYmv		FYmw		FYmx		FYmy		FYmz		FYna		FYnb		FYnc		FYnd		FYne		FYnf		FYng		FYnh		FYni		FYnj		FYnk		FYnl		FYnm		FYnn		FYno		FYnp		FYnq		FYnr		FYns		FYnt		FYnu		FYnv		FYnw		FYnx		FYny		FYnz		FYoa		FYob		FYoc		FYod		FYoe		FYof		FYog		FYoh		FYoi		FYoj		FYok		FYol		FYom		FYon		FYoo		FYop		FYoq		FYor		FYos		FYot		FYou		FYov		FYow		FYox		FYoy		FYoz		FYpa		FYpb		FYpc		FYpd		FYpe		FYpf		FYpg		FYph		FYpi		FYpj		FYpk		FYpl		FYpm		FYpn		FYpo		FYpp		FYpq		FYpr		FYps		FYpt		FYpu		FYpv		FYpw		FYpx		FYpy		FYpz		FYqa		FYqb		FYqc		FYqd		FYqe		FYqf		FYqg		FYqh		FYqi		FYqj		FYqk		FYql		FYqm		FYqn		FYqo		FYqp		FYqq		FYqr		FYqs		FYqt		FYqu		FYqv		FYqw		FYqx		FYqy		FYqz		FYra		FYrb		FYrc		FYrd		FYre		FYrf		FYrg		FYrh		FYri		FYrj		FYrk		FYrl		FYrm		FYrn		FYro		FYrp		FYrq		FYrr		FYrs		FYrt		FYru		FYrv		FYrw		FYrx		FYry		FYrz		FYsa		FYsb		FYsc		FYsd		FYse		FYsf		FYsg		FYsh		FYsi		FYsj		FYsk		FYsl		FYsm		FYsn		FYso		FYsp		FYsq		FYsr		FYss		FYst		FYsu		FYsv		FYsw		FYsx		FYsy		FYsz		FYta		FYtb		FYtc		FYtd		FYte		FYtf		FYtg		FYth		FYti		FYtj		FYtk		FYtl		FYtm		FYtn		FYto		FYtp		FYtq		FYtr		FYts		FYtt		FYtu		FYtv		FYtw		FYtx		FYty		FYtz		FYua		FYub		FYuc		FYud		FYue		FYuf		FYug		FYuh		FYui		FYuj		FYuk		FYul		FYum		FYun		FYuo		FYup		FYuq		FYur		FYus		FYut		FYuu		FYuv		FYuw		FYux		FYuy		FYuz		FYva		FYvb		FYvc		FYvd		FYve		FYvf		FYvg		FYvh		FYvi		FYvj		FYvk		FYvl		FYvm		FYvn		FYvo		FYvp		FYvq		FYvr		FYvs		FYvt		FYvu		FYvv		FYvw		FYvx		FYvy		FYvz		FYwa		FYwb		FYwc		FYwd		FYwe		FYwf		FYwg		FYwh		FYwi		FYwj		FYwk		FYwl		FYwm		FYwn		FYwo		FYwp		FYwq		FYwr		FYws		FYwt		FYwu		FYwv		FYww		FYwx		FYwy		FYwz		FYxa		FYxb		FYxc		FYxd		FYxe		FYxf		FYxg		FYxh		FYxi		FYxj		FYxk		FYxl		FYxm		FYxn		FYxo		FYxp		FYxq		FYxr		FYxs		FYxt		FYxu		FYxv		FYxw		FYxx		FYxy		FYxz		FYya		FYyb		FYyc		FYyd		FYye		FYyf		FYyg		FYyh		FYyi		FYyj		FYyk		FYyl		FYym		FYyn		FYyo		FYyp		FYyq		FYyr		FYys		FYyt		FYyu		FYyv		FYyw		FYyx		FYyy		FYyz		FYza		FYzb		FYzc		FYzd		FYze		FYzf		FYzg		FYzh		FYzi		FYzj		FYzk		FYzl		FYzm		FYzn		FYzo		FYzp		FYzq		FYzr		FYzs		FYzt		FYzu		FYzv		FYzw		FYzx		FYzy		FYzz		FYaa		FYab		FYac		FYad		FYae		FYaf		FYag		FYah		FYai		FYaj		FYak		FYal		FYam		FYan		FYao		FYap		FYaq		FYar		FYas		FYat		FYau		FYav		FYaw		FYax		FYay		FYaz		FYba		FYbb		FYbc		FYbd		FYbe		FYbf		FYbg		FYbh		FYbi		FYbj		FYbk		FYbl		FYbm		FYbn		FYbo		FYbp		FYbq		FYbr		FYbs		FYbt		FYbu		FYbv		FYbw		FYbx		FYby		FYbz		FYca		FYcb		FYcc		FYcd		FYce		FYcf		FYcg		FYch		FYci		FYcj		FYck		FYcl		FYcm		FYcn		FYco		FYcp		FYcq		FYcr		FYcs		FYct		FYcu		FYcv		FYcw		FYcx		FYcy		FYcz		FYda		FYdb		FYdc		FYdd		FYde		FYdf		FYdg		FYdh		FYdi		FYdj		FYdk		FYdl		FYdm		FYdn		FYdo		FYdp		FYdq		FYdr		FYds		FYdt		FYdu		FYdv		FYdw		FYdx		FYdy		FYdz		FYea		FYeb		FYec		FYed		FYef		FYeg		FYeh		FYei		FYej		FYek		FYel		FYem		FYen		FYeo		FYep		FYeq		FYer		FYes		FYet		FYeu		FYev		FYew		FYex		FYey		FYez		FYfa		FYfb		FYfc		FYfd		FYfe		FYff		FYfg		FYfh		FYfi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Total Installation Cost

- Installation of Trial Install and K/t Proof Funded Under NRE: •• Installations Contracted for with Kts.

Total Procurement Cost

21.8

METHOD OF IMPLEMENTATION:

CONTRACTOR FIELD TEAM

CONTRACT DATE:

Current Year: 3/96

DELIVERY DATE:

Current Year: 3/98

ADMINISTRATIVE LEADTIME: 9 MONTHS

Budget Year 1: 1997

Budget Year 2: 1/98

PRODUCTION LEADTIME: 21 MONTHS

P-1 SHOPPING LIST. ITEM NO. 45/46

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MC-130H COMMUNICATIONS/NAVIGATION UPGRADE

INSTALLATION SCHEDULE:

QUARTERS
INPUT

PY

FY 95

FY 96

FY 97

FY 98

FY 99

FY 2000

FY 2001

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4

QUARTERS
OUTPUT

PY

FY 95

FY 96

FY 97

FY 98

FY 99

FY 2000

FY 2001

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4

UNCLASSIFIED

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS
MODIFICATION TITLE: MC-130H COMMUNICATIONS/NAVIGATION UPGRADE
INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96			1	1														2
FY 97							1	2	3	3	3							12
FY 98											1	3	3	3				10
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96			1	1					3	3	3							2
FY 97						1	2											12
FY 98											1	3	3	3				10
FY 99																		
FY 2000																		
FY 2001																		

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: UNDERBELLY PROTECTION SYSTEM

MODELS OF SYSTEMS AFFECTED: MC-130H

DESCRIPTION/JUSTIFICATION:

Program modifies 16 MC-130H aircraft with a retractable shield, mounted on the lower fuselage, to protect the aircraft's electronic countermeasures and communication sensors/antennas during unimproved landing zone operations. This modification is required to improve mishap survivability and reduce life-cycle cost by minimizing damage to the aircraft.

DATE: MARCH 1996

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Contract Award: Jan 97; (Aircraft Breakout: 0 ANG; 0 AFRES; 24 Active)

FINANCIAL PLAN: (\$ in millions)

FY00	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TC	TOTAL
Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$

RD&B

PROCUREMENT

Installation Kits			24	1.3					24	1.3
Installation Kit Nonrecurring										
Equipment				0.1						0.1
Equipment Nonrecurring				0.2						0.2
Engineering Change Orders										

Installation of Hardware

PY00										
FY95										
FY96										
FY97 - Install 16 Kits			16	0	8	0				24
FY98										
FY99										
FY00										
FY01										
To Complete										

Total Installation Cost

• - Installation costs included in basic contract.

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 45/46

CONTRACTOR FIELD TEAMS

Current Year:

Current Year:

ADMINISTRATIVE LEADTIME: 2 MONTHS

Budget Year 1: 2/97

Budget Year 2: 2/97

PRODUCTION LEADTIME: 2 MONTHS

1.6

1.6

UNCLASSIFIED

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: UNDERBELLY PROTECTION SYSTEM
INSTALLATION SCHEDULE:

QUARTERS
INPUT

PY
FY 95
FY 96
FY 97
FY 98
FY 99
FY 2000
FY 2001

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4
	5	5	6

QUARTERS
OUTPUT

PY
FY 95
FY 96
FY 97
FY 98
FY 99
FY 2000
FY 2001

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4
		5	5

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: UNDERBELLY PROTECTION SYSTEM

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97	4	4		
FY 98				
FY 99				
FY 2000				
FY 2001				

QUARTERS OUTPUT	FY 1998			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97	6	4	4	
FY 98				
FY 99				
FY 2000				
FY 2001				

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: MC-130H APU UPGRADE

MODELS OF SYSTEMS AFFECTED: MC-130H

DESCRIPTION/JUSTIFICATION:

Program upgrades the existing auxiliary power unit 85-180L on 17 MC-130H aircraft to provide for the following: improves nozzle and burner to use alternative fuels at altitude; increases cooling by 300%; increases bleed flow by 43%; decreases bleed air temperature; extends turbine life; allows for ground cooling when using the auxiliary power unit; and increases the mean time between failures from 2500 hours to 9000 hours. This upgrade will be form, fit, and function to the existing system. Also includes data for depot and aircraft, trainer updates, and two spare upgraded APU's.

DATE: MARCH 1996

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

AF FM 1067 and MNS approved Mar 94. Supports MAC 005-83 IVA Talon II SORD. (Aircraft Breakout: 0 ANG; 0 AFRES; 24 Active)

FINANCIAL PLAN: (\$ in millions)[illegible]

RDT&B

PROCUREMENT

Installation Kits					
Installation Kit Nonrecurring					
Equipment	1	0.3	23	1.9	2.2
Equipment Nonrecurring		0.3		0.1	0.4
Engineering Change Orders					
Data				0.1	0.1
Mod of Spares				0.2	0.2

Installation of Hardware

PY's	
FY95	
FY96	
FY97 - Install 17 APU Kits	
FY98	
FY99	
FY00	
FY01	
To Complete	

Total Installation Cost

Total Procurement Cost

ORGANIC

Current Year: 4/96

Current Year: 2/97

0.6

2.3

ADMINISTRATIVE LEADTIME: 10 MONTHS

PRODUCTION LEADTIME:

Budget Year 2:

Budget Year 2:

2.9

P-1 SHOPPING LIST, ITEM NO. 45/46

UNCLASSIFIED

65

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: LOW LIGHT LEVEL TV REPLACEMENT

MODELS OF SYSTEMS AFFECTED: AC-130H

DESCRIPTION/JUSTIFICATION:

This modification will improve the reliability, maintainability, supportability, and performance of the LLLTV system by modifying and/or redesigning three of its major subsystems. These subsystems are the AN/AXQ-17 camera, AN/AJQ-24C Stabilized Tracking Set, and the AN/AAQ-7 Laser Illuminator. FY95 supports an urgent requirement for additional pedestals.

DATE: MARCH 1996

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: (Aircraft Breakout: ANG 0, AFRES 0, Active 8)

FINANCIAL PLAN: (\$ in millions)

	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TC	TOTAL
Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
			2.9						
					1.5				4.4

RDT&E

PROCUREMENT

Installation Kits		2	2.2	6	6.5			8	8.7
Installation Kit Nonrecurring									
Equipment									
Equipment Nonrecurring	1.3			8.0					9.3
Modification of Spares	0.7				1.3				3.7
Engineering Change Orders				0.1	0.5				0.6
Data	0.1		1.8	0.6	0.7				3.2
Interim Contractor Support	0.4				1.2				1.6

Installation of Hardware

FY95									
FY96									
FY97									
FY98 - Procure 2 Kits					2	0.3			2 0.3
FY99 - Procure 6 Kits							6	0.8	6 0.8
FY00									
FY01									
To Complete					2	0.3	6	0.8	8 1.1

Total Installation Cost

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 43/46

2.5

ORGANIC ILLUMINATOR: DEPOT (CAMERA)

Current Year: N/A

Current Year: N/A

9.8

ADMINISTRATIVE LEADTIME: 6 MONTHS

Budget Year 1: 2/97

Budget Year 1: 4/97

0.8

PRODUCTION LEADTIME: 15 MONTHS

Budget Year 2: 2/98

Budget Year 2: 2/99

28.2

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MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: LOW LIGHT LEVEL TV REPLACEMENT

INSTALLATION SCHEDULE:

QUARTERS
INPUT

PY
FY 95
FY 96
FY 97
FY 98
FY 99
FY 2000
FY 2001

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4

QUARTERS
OUTPUT

PY
FY 95
FY 96
FY 97
FY 98
FY 99
FY 2000
FY 2001

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: LOW LIGHT LEVEL TV REPLACEMENT

INSTALLATION SCHEDULE:

QUARTERS
INPUT

FY 1998			
1	2	3	4

FY 1999			
1	2	3	4

FY 2000			
1	2	3	4

FY 2001			
1	2	3	4

TO COMP	TOT PGM

PY

FY 95

FY 96

FY 97

FY 98

FY 99

FY 2000

FY 2001

QUARTERS
OUTPUT

FY 1998			
1	2	3	4

FY 1999			
1	2	3	4

FY 2000			
1	2	3	4

FY 2001			
1	2	3	4

TO COMP	TOT PGM

PY

FY 95

FY 96

FY 97

FY 98

FY 99

FY 2000

FY 2001

P-1 SHOPPING LIST, ITEM NO. 45/46

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BUDGET ITEM JUSTIFICATION SHEET		DATE								MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT									
		FY95	FY96	FY97	FY98	FY99	FY00	FY01			
QUANTITY											
COST (In Millions \$)		29.636	8.067	13.639	.475	.472	.469		.465		

MISSION AND DESCRIPTION: This program provides for various types of equipment required to support Special Operations Forces (SOF) aircraft. A more detailed description and justification of the requirements are as follows:

1. ACQUISITION PROGRAMS

A. Ring Laser Gyros (RLG). This program replaces outdated Inertial Navigation Units with new RLG technology on Force Activity Designator (FAD) 1 SOF aircraft. This replacement increases the reliability of these weapon systems; reduces maintenance and support requirements; and enhances navigation and delivery capabilities.

FY 1997 PROGRAM JUSTIFICATION: Procures 28 RLGs for MC-130E aircraft.

B. Aircrew Training System (ATS). SOF ATS supports initial aircraft and mission qualification, continuation training, upgrade training, and combat mission rehearsal. It is contractor operated and maintained. It is composed of weapon system trainers, mission rehearsal devices, part task trainers, computer-based training equipment, logistics support packages, courseware, and contractor provided instruction for all crew members. SOF ATS provides a mix of academics, simulator training, and flight training to produce combat qualified crew members.

P-1 SHOPPING LIST, ITEM NO. 50

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Page 1 of 2 Pages
EXHIBIT P-40 Budget Item Justification Sheet

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BUDGET ITEM JUSTIFICATION SHEET		DATE	MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT		

1. ACQUISITION PROGRAMS (Cont'd)

C. Interim Contractor Support (ICS). Funds maintenance and support of new end items until the item can be supported organically. These funds are also used to control capital investments in logistic support while requirements are being refined; technical problems resolved; and design stabilized.

FY 1997 PROGRAM JUSTIFICATION: Funds ICS for the AC-130H ASD-5 replacement, Ballistic Computer, MC-130E systems, Night Vision Imaging System, Fire Control/Display System, and Air Data Management System.

D. Aircraft Initial Spares. Effective FY 1996, these monies are requested under the new Spares and Repair Parts P-1 line.

2. SUSTAINMENT PROGRAMS

A. United States Special Operations Command and Control (C2) EC-137 Aircraft. This is the SOF C2 aircraft modified with suitable secure communications necessary for United States Special Operations Command to perform its mission. This aircraft is responsive to contingency operations and capable of rapid, world-wide deployment. The aircraft transports personnel required for C2 operations and allows them to interface with other theater staffs. The EC-137 is a modified commercial Boeing 707 and must be kept current with applicable FAA service bulletins, airworthiness directives, safety supplemental inspection directives, and time compliance technical orders.

FY 1997 PROGRAM JUSTIFICATION: Funds engine hush-kit modification and an International Maritime Satellite Radio installation on the EC-137. The hush-kit modification will allow the EC-137 to meet stage III noise requirements effective 1999.

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Aviation	A. Appropriation/Budget Procurement, Defensewide/Proc. Just./2	B. Line Item Nomenclature AIRCRAFT SUPPORT						C. DATE: MARCH 1996			
		Ident. Code	FY 1995			FY 1996			FY 1997		
			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
1. ACQUISITION PROGRAMS											
A. RING LASER GYRO		A	77,281	64	4,946				89,429	28	2,504
B. AIRCREW TRNG. SYSTEM (See P43)		A			3,877						
C. INTERIM CONTRACTOR SUPPORT		N/A			17,856						3,431
D. AIRCRAFT INITIAL SPARES		A			1,534						
Subtotal					28,213				6,783		5,935
2. SUSTAINMENT PROGRAMS											
A. SOF C2 AIRCRAFT		N/A			1,423				1,284		7,704
Subtotal					1,423				1,284		7,704
LINE ITEM TOTAL											
					29,636				8,067		13,639

Page 1 of 1 Page
EXHIBIT P-5, Weapon System Cost Analysis

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: March 1996			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		C. P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT								
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. ACQUISITION PROGRAMS										
A. RING LASER GYRO										
FY 95	Honeywell/Litton	SS/FFP	OC-ALC	JUN 95	AUG 95	64	77.281			
FY 97	Honeywell/Litton	SS/FFP	OC-ALC	DEC 96	JUN 97	28	89.429	YES	NO	
D. REMARKS: Ring Laser Gyro - Unit cost reflects the average cost of the Litton and Honeywell versions.										

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SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$000)							DATE: MARCH 1996	
Appropriation/P-1 Line Item Procurement, Defensewide/Aircraft Support		Weapon System Special Operations Forces					Equipment Nomenclature Aircraft Training System (ATS)	
Fm Plan	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Quantity	2	0	0	0	0	0	0	
Procurement	57,872	3,877	2,045					
RDT&E	144,805	40,624	18,034	4,339	243	238		
O&S	13,858	8,100						
								Total
								63,794
								208,283
								21,938

TRAINING SYSTEM DESCRIPTION:

This project will develop an integrated, state-of-the art Special Operations Forces (SOF) aircraft, ground-based Aircraft Training System (ATS) to support initial aircraft, mission, and special qualification, continuation training, upgrade training, and combat mission rehearsal requirements for the MC-130E and MC-130H. The ATS requirement was driven by the lack of formal schools for the majority of SOF crew members represented in the seven Air Force Special Operations Forces (AFSOF) aircraft and the absence of multi-aircraft, integrated, real-time combat mission rehearsal capability for SOF aircrews. Existing training rehearsal restrictions caused by airspace/weather, critical mission safety, and security considerations require the capability to rehearse extremely sensitive missions of the highest national priority in other than actual aircraft. Increasing operational taskings, joint maneuver training, and the extensive crew member training workload for initial, continuation, mission, special mission and upgrade training for 14 crew positions in the seven AFSOF aircraft have all contributed to the need for this comprehensive training capability. Decreasing crew member experience levels in all crew positions also exacerbates the need for this capability. SOF ATS is the cost effective approach for providing training and fixed site aircrew integrated mission rehearsal capability. The solution to this multifaceted problem is a contractor operated and maintained SOF ATS composed of Weapon System Trainers, Mission Rehearsal Device, part task trainers, maintenance trainers, academics, simulator training, and aircraft flight training to produce combat qualified crew members. This system will also provide combat mission rehearsal capability allowing SOF aircrews to rehearse highly classified, real-world missions of the highest national priority within 48 hours of tasking by the National Command Authority.

NOTE: The MC-130E rehearsal device terminates in FY 96 to reflect user priorities.

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REMARKS:

WST - Weapon System Trainer

*** MRD - Mission Rehearsal Device to be terminated in FY96.

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SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3) (\$000)										DATE: MARCH 1996		
Training Device by Type Aircrew Training System (ATS)			Weapon System Special Operations Forces									
Description/Justification: A contractor-managed, simulator-type aircrew training system which produces a qualified aircrew member. Funds procurement and deployment of a trainer, and imagery support system, providing real-world mission rehearsal capability for MC-130 aircraft. The imagery support system consists of both Mission Rehearsal Imagery Support System (MIRISS) and a Data Base Generation System (DBGS). * Spares are procured for three devices: MC-130H Weapon System Trainer, MC-130H Mission Rehearsal Device, and the MC-130E Weapon System Trainer.												
Financial Plan	Prior Years		FY 1995		FY 1996		FY 1997		Cost to Complete		Total Cost	
	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost
HARDWARE COSTS												
Device (Hardware)	2	36,378									2	36,378
ECOs												
Nonrecurring												
GFE												
Other (MIRISS,TMS,DBGS)		13,976										13,976
Total Hardware Costs	2	50,354									2	50,354
SUPPORT COSTS												
Special SE (SOPREP)		1,086										1,086
Integrated Log Support		4,025										4,025
Other (Spares/Data/Misc.)		1,737										7,659
Total Support Costs		6,848										12,770
Software/Courseware		670										670
TOTAL COSTS	2	57,872									2	63,794

P-1 Shopping List Item No. 50

EXHIBIT P-43, Page 3 of 3
P-43 Simulator & Training Device Justification

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BUDGET ITEM JUSTIFICATION SHEET		DATE		MARCH 1996				
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY VEHICLE (SDV)						
		FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY		2	4	4	3	1		
COST (In Millions \$)		11.792	11.028	9.255	6.005	2.538		
MISSION AND DESCRIPTION: The mission of the MK 8 Mod 1 SEAL Delivery Vehicle (SDV) is clandestine infiltration / exfiltration of SEAL combat swimmers into hostile/denied shore areas and harbor / port facilities for the conduct of special operations. The MK 8 Mod 1 SDV program is a Service Life Extension Program (SLEP) of the in-service MK 8 Mod 0 SDV to extend the life of this mobility platform by 15 years. The SLEP effort focuses on correcting identified and projected sustainability and maintainability problems within selected subsystems. FY 1997 PROGRAM JUSTIFICATION: Funds will be used to procure / install engineering improvements for four SDVs including Global Positioning System, Obstacle Avoidance Sonar, secure communications, mission data recorders, direct current propulsion motor, and pilot / navigator displays.								

P-1 SHOPPING LIST, ITEM NO. 53

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: March 1996			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY VEHICLE (SDV)			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. MK 8 MOD 1 SDV SYSTEMS										
A. GPS										
FY 95	VARIOUS	OTHER	NSWC, Dtlgmn	MAR 95	JAN 96	2	159,500			
B. SONAR - OBSTACLE AVOIDANCE										
FY 95	SONATECH Santa Barbara, CA	SS/FP	NSWC, Dtlgmn	AUG 95	FEB 95	2	839,000			
FY 96	SONATECH Santa Barbara, CA	SS/FP	NSWC, Dtlgmn	JAN 96	JUL 96	2	461,750			
FY 97	SONATECH Santa Barbara, CA	OPTION	NSWC, Dtlgmn	JUL 96	JAN 97	2	461,750	YES	NO	
	SONATECH Santa Barbara, CA	SS/FP	NSWC, Dtlgmn	JAN 97	JUL 97	4	454,500	YES	NO	
C. SONAR - DOCKING										
FY 95	VARIOUS	OTHER	NSWC, Dtlgmn	JAN 95	DEC 95	2	207,500			
FY 96	VARIOUS	OTHER	NSWC, Dtlgmn	NOV 95	MAY 96	4	52,250			
FY 97	VARIOUS	OTHER	NSWC, Dtlgmn	NOV 96	MAY 97	4	51,500	YES	NO	
D. REMARKS: 1. FY95 unit cost appears higher than outyear unit cost due to the engineering effort associated with transitioning the ECP from development to production. 2. For ECPs that reflect various contractors, the Coastal Systems Station will procure the piece parts via Procurement Requests (PR), assemble the unit on site, and prepare the assembly for installation during the overhaul procedure. 2E. Harris Corporation will provide HP radio; Magnavox will provide UHF. 3. Contract Method & Type Other = PR										

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: March 1996			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY VEHICLE (SDV)			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
D. SECURE COMMUNICATIONS - HF/UHF RADIO FY 95	HARRIS (HF) Rochester, NY	SS/OTHER	NSWC, Dtlgrm	MAR 95	JAN 96	2	109,058			
	MAGNAVOX (UHF)	SS/OTHER	NSWC, Dtlgrm	MAR 95	JAN 96	2	88,942			
	FL Wayne, IN									
	HARRIS (HF) Rochester, NY	SS/OTHER	NSWC, Dtlgrm	NOV 95	MAY 96	4	31,780			
FY 96	MAGNAVOX (UHF)	SS/OTHER	NSWC, Dtlgrm	NOV 95	MAY 96	4	25,970			
	FL Wayne, IN									
	HARRIS (HF) Rochester, NY	SS/OTHER	NSWC, Dtlgrm	NOV 96	MAY 97	4	31,406	YES	NO	
	MAGNAVOX, (UHF)	SS/OTHER	NSWC, Dtlgrm	NOV 96	MAY 97	4	25,344	YES	NO	
FY 97	FL Wayne, IN									
D. REMARKS: 1. FY95 unit cost appears higher than outyear unit cost due to the engineering effort associated with transitioning the ECP from development to production. 2. For ECPs that reflect various contractors, the Coastal Systems Station will procure the piece parts via Procurement Requests (PR) assemble the unit on site, and prepare the assembly for installation during the overhaul procedure. 3. Contract Method & Type Other = PR										

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BUDGET PROCUREMENT HISTORY AND PLANNING											A. DATE: March 1996	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2			C. P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY VEHICLE (SDV)									
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV'S REQ'D	IF YES, WHEN AVAIL		
E. MISSION DATA RECORDER FY 95 - Audio/Visual Recorder Digital Recorder FY 96 - Audio/Visual Recorder Digital Recorder	SONY (Audio/Visual) Cranbury, NJ	SS/FP	NSWC, Dhlgrm	MAR 95	JAN 96	2	112.434					
	VARIOUS	SS/OTHER	NSWC, Dhlgrm	MAR 95	JAN 95	2	137.066					
	SONY (Audio/Visual) Cranbury, NJ	SS/FP	NSWC, Dhlgrm	NOV 95	MAY 96	4	26.500					
	VARIOUS	OPTION OTHER	NSWC, Dhlgrm	NOV 95	MAY 96	4	32.250					
FY 97 - Audio/Visual Recorder Digital Recorder	SONY (Audio/Visual) Cranbury, NJ	SS/FP	NSWC, Dhlgrm	NOV 96	MAY 97	4	26.000	YES	NO			
F. PROPULSION MOTOR FY 95	VARIOUS	OPTION OTHER	NSWC, Dhlgrm	NOV 96	MAY 97	4	32.000	YES	NO			
	Motion Ctrl Sys Radford, VA	SS/FFTP	NSWC, Dhlgrm	JUL 95	JAN 96	2	431.500					
D. REMARKS: 1. FY95 unit cost appears higher than outyear unit cost due to the engineering effort associated with transitioning the ECP from development to production. 2. For ECPs that reflect various contractors, the Coastal Systems Station will procure the piece parts via procurement requests, assemble the unit on site, and prepare the assembly for installation during the overhaul procedure. 3. Contract Method & Type Other = PR												

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: March 1996			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY VEHICLE (SDV)			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
F. PROPULSION MOTOR (Cont'd)										
FY 96	Motion Control Sys Radford, VA	C/FFP	NSWC, Dahlgm	NOV 95	MAY 96	4	85.250			
FY 97	Motion Control Sys Radford, VA	C/FFP	NSWC, Dahlgm	NOV 96	MAY 97	4	83.500	YES	NO	
G. DISPLAY - UNITS										
FY 95	VARIOUS	OTHER	NSWC, Dahlgm	MAR 95	JAN 96	2	366.000			
FY 96	VARIOUS	OTHER	NSWC, Dahlgm	NOV 95	MAY 96	4	173.500			
FY 97	VARIOUS	OTHER	NSWC, Dahlgm	NOV 96	MAY 97	4	171.000	YES	NO	
H. DOPPLER NAVIGATION SONAR (DNS)										
FY 95	VARIOUS	OTHER	NSWC, Dahlgm	MAR 95	JAN 96	2	205.000			
FY 96	VARIOUS	OTHER	NSWC, Dahlgm	NOV 95	MAY 96	4	46.750			
FY 97	VARIOUS	OTHER	NSWC, Dahlgm	NOV 96	MAY 97	4	46.000	YES	NO	
I. AUXILIARY NAVIGATION SYSTEM (ANS)										
FY 96	VARIOUS	OTHER	NSWC, Dahlgm	NOV 95	MAY 96	4	24.750			
FY 97	VARIOUS	OTHER	NSWC, Dahlgm	NOV 96	MAY 97	4	24.250	YES	NO	
D. REMARKS:										
1. FY95 unit cost appears higher than outyear unit cost due to the engineering effort associated with transitioning the ECP from development to production.										
2. For ECPs that reflect various contractors, the Coastal Systems Station will procure the piece parts via Procurement Requests (PR), assemble the unit on site, and prepare the assembly for installation during the overhaul procedure.										
3. Contract Method & Type Other = PR										

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BUDGET ITEM JUSTIFICATION SHEET		DATE							MARCH 1995	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SUBMARINE CONVERSION								
		FY95	FY96	FY97	FY98	FY99	FY00	FY01		
QUANTITY DDS Host Conversions			1		3	1				
COST (In Millions \$)		6.071	4.647	8.913	17.188	.284	.328			

MISSION AND DESCRIPTION: This program supports Naval Special Warfare Command's equipment and mission requirements for the execution of Special Operations missions as the Naval component of the U. S. Special Operations Command. This conversion will provide SSN 688 class submarines as Dry Deck Shelter (DDS) host submarines to replace the decommissioning SSN 637/640 class submarines. All current DDS host submarines (SSN 637/640 class) are scheduled for inactivation soon. This inactivation schedule is classified and will be provided upon request. These modifications will ensure the continued capability for clandestine, underwater SEAL and SEAL Delivery Vehicle (SDV) infiltration/exfiltration operations.

FY 1997 PROGRAM JUSTIFICATION: Funds work package preparation, prefabrication of kit assemblies (piping, valves, external hull fixtures), prepares operational manuals, and funds host certification. Also, orders those subsystems, components, and materiel needed for one Dry Deck Shelter host submarine.

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BUDGET ITEM JUSTIFICATION SHEET		DATE	MARCH 1996				
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS CRAFT						
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY	2	4	6	6			
COST (In Millions \$)	14.522	35.884	41.211	35.384			

MISSION AND DESCRIPTION: The MK V Special Operations Craft (SOC) will conduct medium range insertion / extraction of Special Operations Forces (SOF). It will have the inherent ability to support limited coastal patrol and interdiction tasks. The MK V SOC will be a high performance combatant craft capable of being transported over land and on-board C-5 aircraft on its own transporter system. The need for this type of combatant craft was validated during operation Desert Shield and Desert Storm in the Persian Gulf and is further justified by potential maritime SOF employments in all unified areas of responsibility. The program is structured to procure, sustain and man operational systems (i.e. detachments) annually, vice individual items of equipment.

FY 1997 PROGRAM JUSTIFICATION: Procures three (two craft each) operational MK V SOC detachments (six total craft and support packages).

Beginning with FY 1996, spares and deployment package funding is located in SOF Spares and Repair Parts line. Pre-planned product improvement funding is now located in Maritime Equipment Modifications line.

P-1 SHOPPING LIST, ITEM NO. 56

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 EXHIBIT P-40 Budget Item Justification Sheet
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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: March 1996			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS CRAFT			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELT	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. MK V SPECIAL OPERATIONS CRAFT SUPPORT										
A. MK V SOC										
FY 95	Halter Marine New Orleans, LA	OPTION	USSOCOM	MAR 95	JAN 96	2	3,782.500			
FY 96	Halter Marine New Orleans, LA	OPTION	USSOCOM	NOV 95	AUG 96	4	4,728.500			
FY 97	Halter Marine New Orleans, LA	OPTION	USSOCOM	OCT 96	JUN 97	6	4,472.500	YES	NO	
B. TRANSPORTER										
FY 95	Halter Marine New Orleans, LA	OPTION	USSOCOM	MAR 95	JAN 96	2	907.500			
FY 96	Halter Marine New Orleans, LA	OPTION	USSOCOM	NOV 95	AUG 96	4	1,039.250			
FY 97	Halter Marine New Orleans, LA	OPTION	USSOCOM	OCT 96	JUN 97	6	831.000	YES	NO	
C. HEAVY SUPPORT VEHICLE (M1083)										
FY 95	Steward/STVSO	OPTION	Army, TACOM	SEP 95	APR 96	2	167.500			
FY 96	Steward/STVSO	OPTION	Army, TACOM	OCT 95	APR 96	4	157.500			
FY 97	Steward/STVSO	OPTION	Army, TACOM	OCT 96	APR 97	6	160.000	YES	NO	
D. LIGHT SUPPORT VEHICLE (M1097)										
FY 95	AM General	OPTION	Army/TACOM	SEP 95	APR 96	4	62.500			
FY 96	AM General	OPTION	Army, TACOM	OCT 95	APR 96	8	65.500			

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BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: March 1996	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS CRAFT							
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV'S REQ'D	IF YES, WHEN AVAIL	
FY 97	AM General	OPTION	Army, TACOM	OCT 96	APR 97	12	67,500	YES	NO		
E. S-250 SHELTER											
FY 95	SOFSA	PO	USSOCOM	MAR 95	APR 95	4	1,000				
FY 96	SOFSA	PO	USSOCOM	OCT 95	JAN 96	8	14,500				
FY 97	SOFSA	PO	USSOCOM	OCT 96	JAN 97	12	15,000	YES	NO		
F. ISU-90 SHELTER											
FY 95	SOFSA	PO	USSOCOM	MAR 95	APR 95	1	40,000				
FY 96	SOFSA	PO	USSOCOM	OCT 95	JAN 96	4	32,500				
FY 97	SOFSA	PO	USSOCOM	OCT 96	JAN 97	3	33,333	YES	NO		
H. DEPLOYMENT PACKAGE											
FY 95	VARIOUS	C & SS	USSOCOM	JUN 95	JUL 95	1	1,330,000				
I. TRACTOR (M916A1B1)											
FY 96	Freightliner	OPTION	Army, TACOM	OCT 95	JUN 96	10	203,000				
FY 97	Freightliner	OPTION	Army, TACOM	OCT 96	JUN 97	7	208,571	YES	NO		
K. BASIC COMMUNICATIONS											
FY 95	VARIOUS	C/FP	USSOCOM	MAR 95	MAY 95	2	500,000				
FY 96	VARIOUS	C/FP	USSOCOM	OCT 95	SEP 96	10	625,000				
FY 97	VARIOUS	C/FP	USSOCOM	OCT 96	SEP 97	6	633,333	YES	NO		
M. SKIDS											
FY 95	Haker Marine New Orleans, LA	OPTION	USSOCOM	MAR 95	JAN 96	2	26,500				

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: March 1996			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS CRAFT			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
FY 96	Halter Marine New Orleans, LA	OPTION	USSOCOM	NOV 95	AUG 96	4	42,500			
FY 97	Halter Marine New Orleans, LA	OPTION	USSOCOM	OCT 96	JUN 97	6	30,000	YES	NO	
N. SPARES FY 95	VARIOUS	C & SS	USSOCOM	JUN 95	JUL 95	1	837,000			
D. REMARKS:										

BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: MKV SPECIAL OPERATIONS CRAFT										DATE: MARCH 1988																							
ITEM / MANUFACTURER / PROCUREMENT YEAR			Q	QTY	PROC	ACCEP	BAL	FISCAL YEAR 83												FISCAL YEAR 84												FISCAL YEAR 85											
			Y			TO	DUE	CALENDAR YEAR 83												CALENDAR YEAR 84												CALENDAR YEAR 85											
						1 OCT	AS OF																																				
						1 OCT	1 OCT																																				
A. MKV 8P OF9 CRAFT			N	2	0	2	2																																				
F186			N	4	4	2	2																																				
F187			N	6	10	2	2																																				
B. TRANSPORTER			N	2	0	2	2																																				
F186			N	4	4	2	2																																				
F187			N	6	10	2	2																																				
I. TRACTOR			A	10	2	0	0																																				
F186			A	7	10	7	7																																				
K. BASIC COMMUNICATIONS			N	2	2	0	0																																				
F186			N	10	12	0	0																																				
F187			N	8	18	2	2																																				
TOTAL																																											
MANUFACTURER'S NAME AND LOCATION																																											
VARIOUS																																											
INITIAL																																											
RE ORDER (Per Source)																																											
PROCUREMENT LEAD TIME																																											
ADMIN LEAD TIME																																											
PRIORITY																																											
MFG TIME																																											
TOTAL																																											
A = CONTRACT AWARD																																											

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BUDGET ITEM JUSTIFICATION SHEET					DATE					MARCH 1996				
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2					P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION									

Name Change: Line Item formerly called "SOF Pyro/Demo".

MISSION AND DESCRIPTION: The items included within this P-1 line are ordnance items that have acquisition requirements. This program provides a variety of items developed and modified for Special Operations Forces (SOF).

1. Selectable Lightweight Attack Munition (SLAM). SLAM is a 2.2 pound hand emplaced munition of various detonation methods capable of defeating tracked/wheeled vehicles, POL/ammunition storage sites and parked aircraft at a standoff distance. SLAM replaces heavier and bulkier munitions that are often not suitable to meet SOF mission requirements.
2. SOF Demolition Kit. This kit consists of inert warheads, liners, shaped charges, tools, equipment, and attaching devices for constructing and emplacing a variety of demolition charges. The kit allows the SOF operator to tailor the demolition charges to the target providing greater lethality and mission flexibility.
3. Time Delay Firing Device (TDFD). The TDFD is an improved firing device which replaces the outdated six versions of the M1 firing device.
4. 25mm High Explosive Incendiary (HEI). This program has transitioned to logistics sustainment. Funding is now in the SOF Ordnance Replenishment Line Item.

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BUDGET ITEM JUSTIFICATION SHEET		DATE
		MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION	
5. 40mm Refuze. This program develops a more effective 40mm round of ammunition to more successfully engage and defeat personnel and lightly armored targets. Moreover, an urgent safety requirement exists to replace the current MK-27 fuze which has been prone to failure over the past 40 years, and when attached to improved, more lethal projectiles, becomes a safety hazard to the gunship and its crew. This program has transitioned to procurement to replace fuzes on 1.2 million rounds through 1999. (This program is in the SOF Platform Gun Ammunition line in FY 1995 and prior). FY 1997 PROGRAM JUSTIFICATION: This is a continuing effort to replace the unsafe fuze on the 40mm inventory. Funding procures 271,500 rounds. 6. Remote Activated Munitions System (RAMS) - RAMS provides a capability to remotely control detonation of demolition charges or the remote operation of other items of equipment such as beacons, laser markers, radios, and weapons. FY 1997 PROGRAM JUSTIFICATION: This procurement is a direct result of a development effort by SOF and acquires approximately 100 sets. Each set consists of one transmitter, one Auxiliary Power Pack, and seven Type A Receivers. 7. Naval Special Warfare (NSW) Pyrotechnics and Demolitions. NSW forces require a variety of pyrotechnic devices for training, combat exercises, submarine rescue an search and rescue operations. NSW demolitions are required for fleet units to perform training functions and operating requirements. 8. Activated Metal Decoy (AMD). The AMD system is discharged in flight as a decoy to anti-aircraft weapons to mask aircraft location. 9. Stinger Modification. Procures hardware and software modifications to improve Stinger missile performance against aerial targets which are slow moving, employing advanced countermeasures, or operating at night. These modifications will also improve performance against		

P-1 SHOPPING LIST, ITEM NO. 57

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		MARCH 1996
P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION		

Note: The P-20 exhibits (Requirements Study) are classified and not included with the Budget Submission. These documents can be furnished upon request.

FY 1997 PROGRAM JUSTIFICATION: Funds are needed to continue to install product improvements, restore LIMPETs to the inventory objective, and meet SEAL training requirements. Also provides funds for production engineering and ECP for Power Supply MK 156 Mod I and MK-6 PLAM procurement support. Procures Wing and Yoke Kits for the MK-6 PLAM.

Note: Because many types of ammunition are included in each item within the P-5 exhibit, the unit cost reflected is an average amount.

<u>DESCRIPTION</u>	MODIFICATION SUMMARY FOR SOF ORDNANCE ACQUISITION						
	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>	<u>FY 00</u>	<u>FY 01</u>
Stinger Block I				4.787			

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - AMMUNITION	A. Appropriation / Budget Activity Title / No. Procurement, Defensewide / Proc. Inst. / 2			B. Line Item Nomenclature SOF ORDNANCE ACQUISITION				C. DATE: MARCH 1996		
	Ident. Code			FY 1995			FY 1996			FY 1997
				Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	
Weapon System Cost Elements										
1. SELECTABLE LT WT ATTACK MUNITION	A									
A. HARDWARE				1.042	4,900	5,105	1.001	5,800	5,804	
2. SOF DEMOLITION KIT	A									
A. HARDWARE								VAR	688	
3. TIME DELAY FIRING DEVICE (TDFD)	A									
A. HARDWARE (TRAINERS)							1.154	260	300	
4. 25MM HEI	A									
A. HARDWARE								N/A	31	
5. 40MM POU9 A/B REFUZE	A									
A. HARDWARE							0.024	271,000	6,504	4,334
6. REMOTE ACTIVATED MUNITIONS SYS	B									
A. HARDWARE										
7. NSW PYRO DEMOLITIONS	A									
A. HARDWARE					VAR	7,228				
8. ACTIVATED METAL DECOY (AMD)	A									
A. Hardware				0.148	6,020	891				
9. STINGER MODIFICATION	A									
A. HARDWARE							31.913	150	4,787	
10. LIMPET	A									
A. HARDWARE								VAR	425	671
LINE ITEM TOTAL						13,224			18,689	6,161

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: March 1996			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. SELECTABLE LIGHTWEIGHT ATTACK MUNITION A. Hardware FY 95	Alliant Tech Systems Hopkins, MN	C/FP	ARDEC	AUG 95	MAR 96	4,900	1.042			
FY 96	Alliant Tech Systems Hopkins, MN	OPTION	ARDEC	JUN 96	MAR 97	5,800	1.001	YES	NO	
3. TIME DELAY FIRING DEVICE (TDFFD) A. Hardware FY 96	AAI Hunt Valley, MD	OPTION	ARDEC	JUN 96	FEB 97	260	1.154	YES	NO	
5. 40MM PGU9 A/B REFUZE A. Hardware FY 96	Alliant Tech Systems Hopkins, MN	OPTION	SMCA	JUN 96	MAY 97	271,000	.024	YES	NO	
FY 97	Alliant Tech Systems Hopkins, MN	OPTION	SMCA	JUN 97	MAY 98	271,500	.016	YES	NO	
6. REMOTE ACTIVATED MUNITIONS SYSTEM FY 97	UNKNOWN	C/FP	ARDEC	JUN 97	JAN 98	100	11.560	YES	NO	
8. ACTIVATED METAL DECOY (AMD) FY 95	UNKNOWN	C/FP	NSWC-CRANE	OCT 95	JAN 96	6,020	.148			

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BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: March 1996	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2					C. P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION						
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL.	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL	
9. STINGER MISSILE MODIFICATIONS FY 96	Hughes	OPTION	Army-FAD	MAR 96	JAN 98	150	31.913				
D. REMARKS:											

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CODE "B" ITEM DESCRIPTION		DATE MARCH 1996	REPORTS CONTROL SYMBOL DD-COMP, (USSOCOM) 1092			
APPROPRIATION/ACTIVITY PROCUREMENT, DEFENSEWIDE/2		P-1 ITEM NOMENCLATURE: SOF ORDNANCE ACQUISITION				
1. CURRENT DEVELOPMENT AND TEST STATUS:		SCHEDULE DATE				
		CURRENT	LAST RPT'D	REASON FOR DELAY		
Dev Test & Evaluation	Plan/Actual	10/96 - 04/97	N/A	N/A		
Initial Test & Evaluation	Plan/Actual	10/96 - 04/97	N/A	N/A		
Operational Test & Evaluation	Plan/Actual	10/96 - 04/97	N/A	N/A		
Availability Date of Technical Data Package	Plan/Actual	05/97	N/A	N/A		
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: JUN 97						
3. EQUIPMENT ITEM(S) TO BE REPLACED: M122, Demolition Firing Device.						
4. EXTENT OF IMPROVEMENT OVER ITEM(S)/EQUIPMENT TO BE REPLACED: Extended range; lighter; smaller; commercial battery; field programmable.						
5. DEVELOPMENT CONTRACT INFORMATION: (Dollars in Millions):						
CONTRACTOR NAME (1)	PLANT LOCATION (2)	COMPONENT (3)	THRU FY 95 (5)	FY 96 (6)	FY 97 (7)	BEYOND FY 97 (8)
Army Research Lab	Adelphi, MD	XM152 (RAMS)	4.440	2.366	3.507	1.493
TOTAL RDT&E FUNDING			4.440	2.366	3.507	1.493
6. REMARKS: Developmental testing and operational testing will be a combined effort. Procurement administrative lead time will be eliminated by having a government agency manufacture the initial procurement quantity to validate the technical data package for the transmitter, auxiliary power supply, and the type "A" receiver. Procurement funds will be obligated in June 1997.						

P-1 SHOPPING LIST, ITEM NO. 57

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EXHIBIT P-19 Code "B" Item Description

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BUDGET ITEM JUSTIFICATION SHEET		DATE	MARCH 1996						
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF PLATFORM GUN AMMUNITION								
			FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY									
COST (In Millions \$)			40.148						

* This P-1 line is canceled after FY 1995 and its components are consolidated into SOF Ordnance Replenishment and SOF Ordnance Acquisition P-1 lines as noted below.

MISSION AND DESCRIPTION: This budget line contains all platform gun ammunition for the AC-130 Gunship, Navy Ship Gun, and Patrol Craft. Ammunition is necessary to support Air Force and Navy Special Operations Forces (SOF) annual training requirements and replenish war reserve SOF-unique stockage. It also refuels 40mm Gunship ammunition to correct safety of flight hazards.

1. Training Ammunition. Provides 25mm, 40mm, and 105mm training rounds required to maintain AC-130 Gunship crew mission readiness skills. Quantities vary depending upon training requirements. (Realigned to SOF Ordnance Replenishment in FY 1996)
2. AC-130 Ammunition War Reserve. Procures, through the Conventional Ammunition Working Capital Fund (CAWCF), war reserve 25mm ammo to maintain war reserve stockage at Defense Planning Guidance levels. This combat munition provides light vehicle kill and area coverage kill capability in support of air base defense, close air support, and direct action missions. (Realigned to SOF Ordnance Acquisition in FY 1996)
3. AC-130 Gunship PGU-9A/B Refueling. Provides a new fuze to attach to the PGU-9A/B 40mm ammunition to eliminate safety of flight hazards. Replaces the MK 27 fuze to provide adequate safe separation from the gun barrel after firing. Approximately 200,000 rounds will be refueled each year. (Realigned to SOF Ordnance Acquisition in FY 1996).

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF PLATFORM GUN AMMUNITION	MARCH 1996
4. Other Ship Gun Ammunition. Provides ammunition in support of the Naval Special Operations Forces which include special boat units, special warfare groups, special warfare units, SEAL teams, special boat squadrons, and SEAL Delivery Vehicles. Funds are required to procure components, load and assemble complete rounds, and to provide ammunition to resupply peacetime expenditures and war reserve requirements. 5. Patrol Craft Ammunition. Provides for ammunition and ammunition support elements for the 13 patrol craft equipped with MK-38 25mm guns. Funds are required to support SOF patrol craft requirements for training, and war reserve, and provide product engineering, product improvement, component renovation, and gauges.		

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BUDGET ITEM JUSTIFICATION SHEET		DATE		MARCH 1996				
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT						
		FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (In Millions \$)	11.341	43.612	24.379	33.524	43.681	56.692	59.573	

Name Change: Line Item formerly called "SOF Individual Weapons Ammunition".

MISSION AND DESCRIPTION: This program provides ammunition for Special Operations Forces (SOF) components for required training and war reserve stock. The requested funding will allow SOF components to accomplish the required annual training and maintain the building of the Defense Planning Guidance required reserve quantities. This P-1 line reflects a realignment of non-acquisition items from SOF Individual Weapons Ammunition, SOF Platform Gun Ammunition and SOF Pyro/Demo.

- 1. Small Arms/Landing Party Ammunition.** The various cost elements provide SOF small arms ammunition, (12 gauge up to and including .50 cal and grenades) to support Naval Special Operations Forces' peacetime expenditures, resupply, inter-theater shipping losses, and specified combat reserve requirements.

FY 1997 PROGRAM JUSTIFICATION: These funds are required to procure complete rounds, and/or components requiring load and assembly, of small arms ammunition (12 gauge up to and including .50 caliber), grenades (offensive/defensive and smoke), ammunition items transitioning from various SOF component programs and conduct acceptance testing. Ammunition is required to support peacetime expenditures, resupply, and a specified combat reserve quantity. Additional funding provides for all production engineering support and product improvement.

- 2. Other Ship Gun Munitions.** Provides ammunition in support of Naval Special Operations Forces which include medium caliber gun ammunition (25mm and above), rockets, and conduct acceptance testing.

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BUDGET ITEM JUSTIFICATION SHEET		DATE
MARCH 1996		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT	
2. Other Ship Gun Munitions. (Cont'd) FY 1997 PROGRAM JUSTIFICATION: Funds are to support the Naval SOF Component with load and assembly, complete rounds of Special Operations Forces (SOF) platform munitions including 25mm, 40mm and 60mm gun ammunition, rockets and conduct acceptance testing. The ammunition supports peacetime expenditures consisting of re-supply, and specified combat reserve quantities. 3. MK V Special Operations Craft (SOC) Ammunition. Provides ammunition procurements in support of the weapons pre-planned product improvement (P3I) for the MK V SOC. The P3I weapons suite includes 25mm, 7.62mm, GAU-17, and twin .50 caliber machine guns. In addition, the MK V SOC will employ Stinger missiles in a manpack configuration utilizing Beltack Identification Friend or Foe system and AN-PAS-18 Night Sight during night operations. FY 1997 PROGRAM JUSTIFICATION: Funds support the Navy SOF component with load and assembly, complete rounds, and conduct acceptance testing. The ammunition supports peacetime expenditures, resupply, and specified combat reserve quantities. These .50 caliber ammunition procurements are in support of the MK V SOC P3I beginning in FY 1996. 4. Navy Pyro/Demo. This program provides pyrotechnic items and demolition material to support Naval Special Operations Forces' peacetime expenditures, resupply, and specified combat reserve requirements. The Navy Special Operations Forces are comprised of the following subordinate elements: special warfare groups, special warfare units, SEAL teams, SEAL delivery vehicle teams, special boat squadrons, special boat units and the Naval special warfare patrol coastal ships. FY 1997 PROGRAM JUSTIFICATION: Procures a variety of pyrotechnic items consisting of illumination, signalling, identification, and location		

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		MARCH 1996
P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT		
4. Navy Pyro/Demo. (Cont'd) devices using glare or smoke as the primary signalling agent, as well as demolition material consisting of explosive devices, initiators and accessories. This procurement is required to support Navy SOF peacetime expenditures, resupply, and a specified combat reserve quantity. Additional funding provides for all production engineering support, product improvement, procurement of renovation components, gauges and SOF peculiar non-standard pyrotechnic and demolition items transitioning from various SOF component programs. 5. Air Force Special Operations Command (AFSOC) Training Munitions. Provides 25mm, 40mm, and 105mm training rounds required to maintain AC-130 Gunship crew mission readiness skills. Quantities vary depending upon training requirements (Realigned from SOF Platform Gun Ammo). FY 1997 PROGRAM JUSTIFICATION: The assortment of ammunition requested is to maintain proficiency by the crews of the AC-130 Gunship. This highly versatile weapons system is dependent on its well trained crews. Without the training munitions to maintain training proficiency, the effectiveness of this weapons system will be severely degraded. 6. AFSOC 25mm War Reserve Munitions. Provides the new PGU-38 round required war reserve stock for the AC-130 Gunship. Note: The P-20 Exhibits (Requirements Study) are classified and not included with the Budget Submission. These documents can be furnished upon request.		

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - AMMUNITION		A. Appropriation / Budget Activity Title / No. Procurement, Defensewide / Proc. Just. / 2			B. Line Item Nomenclature SOF ORDNANCE REFRESHMENT				C. DATE: MARCH 1996				
		Ident. Code		FY 1995		FY 1996		FY 1997					
Weapon System Cost Elements				Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	
1. SMALL ARMS/LANDING PARTY AMMO													
HARDWARE													
A. Shotgun Cartridges (All Types)			A								200,000	64	
Subtotal												64	
B. 5.56mm Cartridges (All Types)			A										
Ball M855					1,653,120	612					2,468,700	889	
Ball and Tracer					566,400	289					2,312,500	1,110	
Blank					419,520	92					1,163,000	244	
Subtotal						993						2,243	
C. 7.62mm Cartridges (All Types)			A										
Dim Tracer					1,704,000	1,431							
Blank Linked					1,420,000	596					1,500,000	780	
Ball					2,193,240	1,119							
Linked Ball and Tracer					2,723,200	1,471							
Sniper CTG													
Linked Ball W/O Tracer											746,428	627	
Subtotal											9,899,848	593	
											593		1,407
D. 9mm Cartridges (All Types)			A										
Ball					4,655,971	738							
Sim 5.56					500,000	200					3,272,250	506	
JHP Subsonic					1,710,000	446							
Subtotal						1,384					506		
E. .38 Cal Cartridges (All Types)			A										
Subtotal					1,518,500	304							
						304							

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - AMMUNITION	A. Appropriation / Budget Activity Title / No. Procurement, Defensewide / Proc. Inst. / 2			B. Line Item Nomenclature SOF ORDNANCE REFRESHMENT				C. DATE: MARCH 1996			
	Ident. Code			FY 1995		FY 1996		FY 1997		Total Cost	Total Cost
				Unit Cost	QTY	Unit Cost	QTY	Unit Cost	QTY		
Weapon System Cost Elements											
1. SMALL ARMS/LANDING PARTY AMMO (Cont'd)											
F. .45 Cal Cartridges (All Types)	A										
JHP											
Match					4,751,900						
Subtotal					3,314,000		2,327,465			465	
										465	
G. .50 Cal Cartridges (All Types)	A										
Sniper CTG					57,891		66,128			574	
Dummy CTG					2,160						
Subtotal										574	
H. Grenades (All Types)	A										
Chg Diversionary MK 141							15,600			546	
Fuze Training Dev Chg					5,000						
Hand Smoke White AN-M8					3,200						
Chg Diversionary MK 15, Training					50,000						
Subtotal										546	
PRODUCTION SUPPORT											
PRODUCTION ENGINEERING	N/A									455	303
PRODUCT IMPROVEMENT	N/A									50	
NON STANDARD ITEMS	N/A									200	
Subtotal										705	303
TOTAL SMALL ARMS/LANDING PARTY AMMO										3,389	4,017
2. OTHER SHIPGUN MUNITIONS											
HARDWARE											
A. 25mm Cartridges (All Types)	A										

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-9) - AMMUNITION	A. Appropriation / Budget Activity Title / No. Procurement, Defensewide / Proc. Just. / 2		B. Line Item Nomenclature SOF ORDNANCE REPLEISHMENT		C. DATE: MARCH 1996			
					FY 1996			
					Unit Cost	QTY	Total Cost	Total Cost
Weapon System Cost Elements	Ident. Code							
2. OTHER SHIPGUN MUNITIONS (Cont'd)								
APDS-T Linked						27,118	720	1,413
Subtotal							720	1,413
B. 40mm Cartridges (All Types)	A							
Practice M203						45,000	261	
IR Cartridge						35,189	1,512	
Fixed HE								691
Subtotal							1,773	691
C. Rockets (All Types)	A							
TP FFV 552 (Carl Gustaf)						1,838	1,360	774
TP FFV 141 (Carl Gustaf)						2,006	435	111
M3 CTG Acceptance Testing							250	
Heat FFV 551 (Carl Gustaf)						2,650	3,604	2,682
Smoke FFV 469B (Carl Gustaf)						500	286	716
Illum FFV 545B (Carl Gustaf)						606	510	1,056
Law Rockets						4,854	5,000	
Subtotal							11,445	5,339
PRODUCTION SUPPORT								
PRODUCTION ENGINEERING	N/A							587
PRODUCT IMPROVEMENT	N/A							900
Subtotal								887
TOTAL OTHER SHIPGUN MUNITIONS							13,938	8,330
3. MK V SPECIAL OPERATIONS CRAFT (SOC) MUNITIONS								
HARDWARE								
A. 7.62mm Cartridges	A							

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - AMMUNITION	A. Appropriation / Budget Activity Title / No. Procurement, Defensewide / Proc. Just. / 2		B. Line Item Nonexclusion SOF ORDNANCE REFRESHMENT		C. DATE: MARCH 1996	
Weapon System Cost Elements	Ident. Code	FY 1995		FY 1996		FY 1997
		Unit Cost	Total Cost	Unit Cost	Total Cost	
3. MK V SPECIAL OPERATIONS CRAFT (SOC) MUNITIONS (Cont'd)						
Linked						
Subtotal						
B. .50Cal Cartridges (All Types)	A					
Linked						
Subtotal						
C. 25mm/30mm Cartridges (All Types)	A					
Dummy						
Training Practice (TP)						
Subtotal						
D. Stinger Support Equipment	A					
Night Sights						
IFF Interrogators						
IFF Programmers						
Subtotal						
PRODUCTION SUPPORT	N/A					
PRODUCTION ENGINEERING						
Subtotal						
TOTAL MK V SOC MUNITIONS						
4. NAVY PYRO/DEMO						
HARDWARE	A					
A. Signals						
Illum Red Star						
Illum Ground M125						

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - AMMUNITION	A. Appropriation / Budget Activity Title / No. Procurement, Defensewide / Proc. Just. / 2			B. Line Item Nomenclature SOF ORDNANCE REPLENISHMENT						C. DATE: MARCH 1996		
	Weapon System Cost Elements	Ident. Code		FY 1995			FY 1996			FY 1997		
				Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
4. NAVY PYRO/DEMO (Cont'd)												
Signal K8 IR MK 132												
Signal K8 Marine IR MK 132												
Subtotal												
B. Training Devices		A										
Sim Hand Grenade												
Flare Surface Trip												
Subtotal												
C. Explosive Charges		A										
Exp Extru Pen												
40mm Flex Linear Chg												
80mm Flex Linear Chg												
Exp Chg Cont Small												
Exp Chg Cont Med												
Exp Chg Cont Lg												
Chg Dml Exp Chg												
Subtotal												
D. Det Cord and Time Fize		A										
Heavy Load Det Cord 100 Grft												
Heavy Load Det Cord 200 Grft												
Subtotal												
E. Blast Caps and Initiators		A										
Detonating Delay Element 3.8Sec.												
Detonating Delay Element 6.4Sec.												
Detonating Delay Element 9.6Sec.												
Cap Blasting Elec Hero - Safe												

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - AMMUNITION	A. Appropriation / Budget Activity Title / No. Procurement, Defensewide / Proc. Just. / 2			B. Line Item Nomenclature SOF ORDNANCE REFRESHMENT				C. DATE: MARCH 1996	
				FY 1995		FY 1996		FY 1997	
	Ident. Code			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
Weapon System Cost Elements									
4. NAVY PYRO/DEMO (Cont'd)									
Det Nonel WILD Initiator (50)								5,978	191
Det Nonel WILD Initiator (500)								6,850	763
Simulators Nonels .50 Cal					1,800	741			
Subtotal						1,390			954
F. Haversack Kit	A				1,200	240			
Subtotal						240			
G. Other Pyro/Demo Items	A							4,000	740
Power Actuated Diver									740
Subtotal									
PRODUCTION SUPPORT	N/A								
PRODUCTION ENGINEERING						1,472			749
PRODUCT IMPROVEMENT									250
NON STANDARD						250			
GAUGE REQUIREMENTS									5
Subtotal						1,722			1,004
TOTAL NAVY PYRO DEMO						9,200			3,601
5. AFSOC TRAINING MUNITIONS	A								
A. 105mm CARTRIDGES					13,315	1,500		13,315	1,500
B. 25mm HEI CARTRIDGES PGU 38A/U					68,231	1,923		156,494	4,732
C. 25mm CARTRIDGES PGU 24					15,777	207			
D. FUZE M732					5,180	373		10,472	754
Subtotal						4,003			6,986
TOTAL AFSOC TRAINING MUNITIONS						4,003			6,986

[illegible]

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: March 1996			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		C. P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT								
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
The majority of items listed on the P-5 for this P-1 Line are purchased through the Single Managers for Conventional Ammunition (SMCA). The information required on this form is not available at the unit level.										
D. REMARKS:										

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BUDGET ITEM JUSTIFICATION SHEET					DATE		MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS						
	FY95	FY96	FY97	FY98	FY99	FY00	FY01	
QUANTITY								
COST (In Millions \$)		8.492	4.833	6.136	48.051	34.515	49.272	

MISSION AND DESCRIPTION: Program provides for various Patrol Coastal (PC) and MK V Special Operations Craft (SOC) maritime modifications and consolidates them into a single line item, instead of having modifications funded with the end items.

1. Patrol Coastal. Program provides for numerous modifications to the Cyclone Class PC ships. The modifications correct performance deficiencies identified through testing and/or operation. The upgrades improve situational awareness, self-defense capabilities, ship handling, speed, and human factors. Funding supports Title K alterations for emergent ship alterations that require headquarters expertise and/or headquarters centrally managed material.

FY 1997 PROGRAM JUSTIFICATION: Program procures material for 13 stern flap modifications and six installations; installation of hardware procured in prior years (active noise cancellation systems, bridge wing controls, and propellers); and continues command and control software modifications.

2. MK V SOC. Program provides pre-planned product improvements to baseline (craft) capabilities in the areas of weapons, electronics, and night vision. Improved weapons/mounts will include GAU-17(7.62MM) mini-guns, MK38 (25MM) chain guns, and MK95 (twin .50 cal) mounts. Electronics improvements will include providing electronic countermeasures and support measures (electronic attack and electronic surveillance) capabilities and are programmed in the Communications and Equipment Line Item. Night vision improvements will center on a forward looking infrared capability.

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BUDGET ITEM JUSTIFICATION SHEET		DATE	MARCH 1996					
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS							
2. MK V Special Operations Craft (SOC) (Cont'd.)								
FY 1997 PROGRAM JUSTIFICATION: Begins procurement of improved weapons/mounts (GAU-17 mini-guns, MK38 chain guns, and MK95 twin .50 cal mounts).								
MODIFICATION SUMMARY FOR MARITIME EQUIPMENT								
DESCRIPTION	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	
1. PC Command and Control Software Upgrades		.855	.338	.248	.123	.122		
2. PC Stern Flap Modification			.231	.052	.057			
3. PC Active Noise Cancellation		.869	.067	.057				
4. PC Bridge Wing Controls		.300	.183	.052				
5. PC Threat Warning System (* Moved to SOF Intelligence Line Item beginning in FY 1997 (PRIVATEER))	5.133		*	*				
6. PC Forward Looking Infrared Upgrade					9.999	2.770		.347
7. PC Propeller Upgrade	1.192		.212	.331				
8. MK V SOC Weapons			3.607	3.798	.085			

P-1 SHOPPING LIST, ITEM NO. 61

Page 2 of 3 Pages
EXHIBIT P-40 Budget Item Justification Sheet

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BUDGET ITEM JUSTIFICATION SHEET		DATE	MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS		
Modification Summary (Cont'd)			
		<u>FY 95</u>	<u>FY 96</u>
		<u>FY 97</u>	<u>FY 98</u>
		<u>FY 99</u>	<u>FY 00</u>
		<u>FY 01</u>	
9. Other Outyear Modifications			
A. MK V SOC Forward Looking Infrared		1.491	20.205
B. PC Mission Dependent Modular Aft Deck			2.141
			2.030
C. PC Surface-to-Surface Missile System			15.441
			29.593
			46.812
			49.272
TOTAL		8.349	4.638
			6.029
			48.051
			34.515

[illegible]

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: PATROL COASTAL COMMAND AND CONTROL (C2) SOFTWARE UPGRADE

MODELS OF SYSTEMS AFFECTED: Patrol Coastal

DESCRIPTION/JUSTIFICATION:

The C2 software upgrades provide incremental modifications to the C2 system for the integration of upgraded subsystems to include PRIVATEER Threat Warning System, Joint Maritime Combat Information System (JMCIS), formerly known as Joint Operational Tactical System), and the RASCAR Collision Avoidance Radar Overlay.

DATE: MARCH 1996

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

CDR 8/95 1st trial install: 1/96 1st Production Install: 1/96.

FINANCIAL PLAN: (\$ in millions)

RD T&B

PROCUREMENT

[illegible]

Installation of Hardware

	FY96			
	FY97			
	FY98			
	FY99			
	FY00			
	FY01			
	To Complete			

Total Installation Cost

• **Modification funded in SOF Intelligence Systems P-1.**

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:**DELIVERY DATE:**

P-1 SHOPPING LIST, ITEM NO. 61

GOVT/CONTRACTOR ALTERATION INSTALLATION TEAM.

Current Year: 1/96

Current Year: 2/96

ION TEAM ADMIT

Budget Year 1: 1/97

Budget Year 1: 3/97

1 MONTH

Budget Year 2: N/A

Budget Year 2: N/A

PRODUCTION LEADTIME: 2 MONTHS

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL COMMAND AND CONTROL (C2) SOFTWARE UPGRADE

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4
PY												
FY 95												
FY 96							6					
FY 97												
FY 98												
FY 99												
FY 2000												
FY 2001												

QUARTERS OUTPUT	FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4
PY												
FY 95												
FY 96							2	4				
FY 97												
FY 98												
FY 99												
FY 2000												
FY 2001												

UNCLASSIFIED

MODIFICATION TITLE: PATROL COASTAL COMMAND AND CONTROL (C2) SOFTWARE UPGRADE
INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		6

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		6

INDIVIDUAL MODIFICATION

DATE: MARCH 1996

MODELS OF SYSTEMS AFFECTED: Parcel Coastal

DESCRIPTION/JUSTIFICATION:

The NDI design Patrol Coastal ship had a minimal margin for growth in weight/displacement. Maintaining the required 35 knot speed is essential for accomplishing the coastal patrol and interdiction mission and self defense. Stern flaps will improve the ship's ability to maintain the required speed at the current displacement. The installation must be accomplished in dry dock, so installation coincides with scheduled dry dock availabilities. PC-13 was delivered with this modification installed. PC-14 stern flap will be installed during ship construction.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

1st trial instll: 9/95 1st Production Instll: 6/97.

FINANCIAL PLAN: (\$ in millions)

[illegible]

BDT&B

PROCUREMENT

[illegible]

Installation of Hardware

[illegible]

Total Installation Cost

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST: ITEM NO. 61

DEPOT

Current Year: N/A

Current Year: N/A

0.2

0.1

0.1

0.1

ADMINISTRATIVE LEADTIME: 1 MONTH

PRODUCTION LEADTIME: 1 MONTH

Budget Year 1: 2/97

Budget Year 2: 2/98

Budget Year 1: 3/97

Budget Year 2: 3/98

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EXHIBIT P-3A

UNCLASSIFIED

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS
MODIFICATION TITLE: PATROL COASTAL STERN FLAP MODIFICATION
INSTALLATION SCHEDULE:

QUARTERS
INPUT

PY
FY 95
FY 96
FY 97
FY 98
FY 99
FY 2000
FY 2001

FY 1995				
1	2	3	4	

FY 1996				
1	2	3	4	

FY 1997				
1	2	3	4	

QUARTERS
OUTPUT

PY
FY 95
FY 96
FY 97
FY 98
FY 99
FY 2000
FY 2001

FY 1995				
1	2	3	4	

FY 1996				
1	2	3	4	

FY 1997				
1	2	3	4	

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: PATROL COASTAL ACTIVE NOISE CANCELLATION

MODELS OF SYSTEMS AFFECTED: Patrol Coastal

DESCRIPTION/JUSTIFICATION:

Excessive airborne noise in the berthing compartments is a sea trial deficiency for this ship class which requires correction. The installation of active noise cancellation (ANC) systems in the berthing areas complements the propeller upgrade to resolve the excessive noise problem and improve human factors. The first shipset was procured as a prototype and installed with RDT&B funds. PC-14 ANC will be installed during ship construction.

DATE: MARCH 1996

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

1st trial install: 8/95; 1st Production Install: 2/97.

FINANCIAL PLAN: (\$ in millions)

	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TC	TOTAL
Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	0.2	0.5							0.7

RDT&B

PROCUREMENT

[illegible]**Total Procurement Cost**

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 61

ALTERATION INSTALL TEAM

Current Year: 3/96

Current Year: 2/97

0.9

0.1

ADMINISTRATIVE LEADTIME: 9 MONTHS

Budget Year 1: 2/97

Budget Year 1: 2/97

PRODUCTION LEADTIME: 6 MONTHS

Budget Year 2: 2/98

Budget Year 2: 2/98

11

To Complete

0.1

1

1

12

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MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL ACTIVE NOISE CANCELLATION

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4
PY												
FY 95												
FY 96												
FY 97												
FY 98												
FY 99												
FY 2000												
FY 2001												

QUARTERS OUTPUT	FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4
PY												
FY 95												
FY 96												
FY 97												
FY 98												
FY 99												
FY 2000												
FY 2001												

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL ACTIVE NOISE CANCELLATION

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96		2	2	2														12
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96	2	2	2	2														12
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: PATROL COASTAL BRIDGE WING CONTROLS

MODELS OF SYSTEMS AFFECTED: Patrol Coastal

DESCRIPTION/JUSTIFICATION:

Bridge wing controls are required to improve ship handling/maneuverability at the pier. Each ship will have controls installed on both bridge wings.

DATE: MARCH 1996

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

1st trial install: 11/96; 1st Production Install: 11/96.

1st trial install: 11/96; 1st Pro
FINANCIAL PLAN: (\$ in millions)

	FY6	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TC	TOTAL
	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty

RDT&B

PROCUREMENT

[illegible]

Installation of Hardware

BUDGET OF EXPENDITURE					
	PY's				
FY95					
FY96	6	0.2	7	0.1	13 0.3
FY97					
FY98					
FY99					
FY00					
FY01					
To Complete					
Installation Cost	6	0.2	7	0.1	13 0.3

Total Installation Cost

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:**DELIVERY DATE:**

P-1 SHOPPING LIST, ITEM NO. 61

ALTERATION INSTALL TEAM

Current Year: 4/96

Current Year: 1/97

0.3

0.2

10.

6 MONTHS

HS

3 MONTHS

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EXHIBIT P-3A

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL BRIDGE WING CONTROLS

INSTALLATION SCHEDULE:

QUARTERS
INPUT

	FY 1995				FY 1996				FY 1997			
PY	1	2	3	4	1	2	3	4	1	2	3	4
FY 95												
FY 96												
FY 97												
FY 98												
FY 99												
FY 2000												
FY 2001												

QUARTERS
OUTPUT

	FY 1995				FY 1996				FY 1997			
PY	1	2	3	4	1	2	3	4	1	2	3	4
FY 95												
FY 96												
FY 97												
FY 98												
FY 99												
FY 2000												
FY 2001												

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL BRIDGE WING CONTROLS

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

UNCLASSIFIED

INDIVIDUAL MODIFICATION
MODIFICATION TITLE: PATROL COASTAL PROPELLER UPGRADE
MODELS OF SYSTEMS AFFECTED: Patrol Coastal
DESCRIPTION/JUSTIFICATION:

Replacement of existing propellers is required to reduce airborne noise in berthing compartments (a sea trial deficiency) and to meet full power absorption requirements at a higher full load displacement. A total of 78 propellers will be procured: There will be 13 shaftsets (4 propellers each) procured and installed. The remaining propellers (26) will be procured as spares.

1st trial install: 8/95: 1st Production Install: 6/96.

	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TC	TOTAL
	\$	\$	\$	\$	\$	\$	\$	\$	\$
Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty
	1.0	0.1							1.1

PROCUREMENT

[illegible]

P-1 SHOPPING LIST, ITEM NO. 61

129

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL PROPELLER UPGRADE
INSTALLATION SCHEDULE:

QUARTERS
INPUT

PY
FY 95
FY 96
FY 97
FY 98
FY 99
FY 2000
FY 2001

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4
		1	4

QUARTERS
OUTPUT

PY
FY 95
FY 96
FY 97
FY 98
FY 99
FY 2000
FY 2001

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4
		1	4

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL PROPELLER UPGRADE

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96	2	4		2														13
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96		6		2														13
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: MK V SPECIAL OPERATIONS CRAFT (SOC) WEAPONS

MODELS OF SYSTEMS AFFECTED: MK V SOC

DESCRIPTION/JUSTIFICATION:

Upgrades the MK V weapons capabilities from the baseline craft. Each upgrade suite provides two GAU-17 (7.62MM mini-guns), one MK38 (25MM chain gun) weapons, and two MK95 (twin 12.7MM) mounts per craft. All items are GFF requiring minor integration efforts.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Primary hardware and ancillary components will be procured primarily via purchase orders/military interdepartmental purchase requests upon availability of funding.

FINANCIAL PLAN: (\$ in millions)

[illegible]

RD 288

PROCUREMENT

[illegible]

Installation of Hardware

FY6						
FY95						
FY96						
FY97			10	0.1		
FY98					10	0.1
FY99						
FY00						
FY01						
To Complete						
Total Installation Cost						
			10	0.1	10	0.1
					20	0.2

Total Installation Cost

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:**DELIVERY DATE:**

P-1 SHOPPING LIST, ITEM NO. 61

ORGANIZATIONAL LEVEL

Current Year:

Current Year:

3.6	3.9	0.1
ADMINISTRATIVE LEADTIME: N/A		

Budget Year 1: 1/97

Budget Year 1: 1/98

PRODUCTION LEADTIME: 12 MONTHS

Budget Year 2: 1/98

Budget Year 2: 1/99

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EXHIBIT P-3A

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION TITLE: MK V SOC WEAPONS

**QUARTERS
INPUT**

QUARTERS INPUT				
PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

[illegible][illegible][illegible]**QUARTERS
OUTPUT**

QUARTERS OUTPUT				
PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

[illegible][illegible][illegible]

P-1 SHOPPING LIST, ITEM NO. 61

Page 2 of 3
Exhibit P-3A

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MK V SOC WEAPONS
INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		10
FY 98	10																	10
FY 99					6	4												
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		
FY 98	10																	10
FY 99					6	4												10
FY 2000																		
FY 2001																		

BUDGET ITEM JUSTIFICATION SHEET		DATE		MARCH 1996				
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SPARES AND REPAIR PARTS						
		FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (In Millions \$)			32.867	36.134	35.091	25.392	8.747	8.235

MISSION AND DESCRIPTION: Consolidates all spares and repair parts funding into a single line item, rather than having the funding spread across several line items.

1. **Aircraft Initial Spares.** This program finances both initial weapon system and aircraft modification spares. Initial weapon system spares include new production spares, peculiar support equipment spares, and 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 1997 PROGRAM JUSTIFICATION: Reimburses the stock fund for deliveries of initial spares.

2. **MK 8 Mod 1 Seal Delivery Vehicle (SDV).** Funds the procurement and installation of initial spare parts for engineering improvements to the MK 8 Mod 1 SDV Service Life Extension Program.

FY 1997 PROGRAM JUSTIFICATION: Funds will be used to procure initial spare parts to support engineering improvements to four SDVs. This will include Global Positioning System, Obstacle Avoidance Sonar, Secure Communications, Mission Data Recorders, Direct Current Propulsion Motor, and Pilot/Navigator Displays.

3. **MK V Special Operations Craft (SOC).** Funds the procurement and delivery of spares, repair parts and initial consumables that

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SPARES AND REPAIR PARTS	
3. MK V Special Operations Craft (SOC). (Cont'd) constitute operational deployment packages and major (shore based) spares "kits". FY 1997 PROGRAM JUSTIFICATION: Funds three deployment packages and four major (shore based) spares "kits".		

P-1 SHOPPING LIST, ITEM NO. 62

Page 2 of 2 Pages
EXHIBIT P-40 Budget Item Justification Sheet

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: MARCH 1996			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		C. P-1 ITEM NOMENCLATURE SPARES AND REPAIR PARTS								
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL.	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. MK V Special Operations Craft										
A. Major (Shore Based) Spares (Kit)										
FY 96	VARIOUS	C/FP	USSOCOM	OCT 95	JUN 96	1	3,230,000	YES	NO	
FY 97	VARIOUS	C/FP	USSOCOM	OCT 96	JUN 97	4	2,330,250	YES	NO	
B. Deployment Package										
FY 96	VARIOUS	C/FP	USSOCOM	OCT 95	JUN 96	2	1,814,000	YES	NO	
FY 97	VARIOUS	C/FP	USSOCOM	OCT 96	JUN 97	3	1,597,333	YES	NO	
D. REMARKS:										

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BUDGET ITEM JUSTIFICATION SHEET		DATE						MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS						
		FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (In Millions \$)		19.610	33.349	26.617	30.116	49.606	46.100	38.705

MISSION AND DESCRIPTION: This program provides for communication systems 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 will improve their war fighting capability without degrading their mobility. Therefore, SOF Communications Equipment & Electronics is a continuing effort to procure lightweight and efficient SOF Command, Control, Communications, and Computer (C4) capabilities.

USSOCOM has developed an overall strategy to ensure that Command, Control, Communications, Computer and Intelligence (C4I) systems continue to provide SOF with the required capabilities into the 21st century. USSOCOM's C4I systems comprise an integrated network of systems providing positive command and control and the timely exchange of intelligence and threat warning to all organizational echelons. The C4I systems that support this new architecture will employ the latest standards and technology by transitioning from separate systems to full integration with the infosphere. The infosphere is a multitude of existing and projected national assets that will allow SOF elements to operate with any force combination in multiple environments. The C4I programs funded in this procurement line are grouped by the level of organizational element they support: Operational Element (Team), Above Operational Element (Deployed) and Above Operational Element (Garrison).

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BUDGET ITEM JUSTIFICATION SHEET		DATE
		MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS	
<u>OPERATIONAL ELEMENT (TEAM)</u> 1. HF Manpack Radios. The HF manpack radios will provide SOF with smaller lighter weight systems for long range communications. These radios will contain Line-of-Sight (LOS), Near Vertical Incident Skywave (NVIS) and Beyond Line-of-Sight (BLOS) voice, data and Low Probability of Intercept/Low Probability of Detection (LPI/LPD) communications capabilities, embedded COMSEC and Automatic Link Establishment (ALE). a. Improved Special Operations Forces HF Manpack Radio System (ISHMRS). ISHMRS is a variable power (up to 20 watts for manpack and 100 watts for vehicular) radio which replaces the aging PRC-104. It has an internal modem which provides automatic link establishment (ALE) and embedded Communications Security (COMSEC) data capability. An adaptive capability allows optimal frequency management. Reduces rucksack load (weight and size) for the operator. Analysis is underway to determine if a single material solution will satisfy the ISHMRS and Special Mission Radio System (SMRS) requirements. Decision expected in 4Q FY1996. b. Special Mission Radio System (SMRS). SMRS is a radio system that provides SOF a lightweight, LPI/LPD high frequency radio. Deployed in hostile and clandestine environments, the system consists of manpack radios, transit base stations and fixed worldwide interlocking base stations. Analysis is underway to determine if a single material solution will satisfy the ISHMRS and SMRS requirements. Decision expected in 4Q FY 1996. FY 1997 PROGRAM JUSTIFICATION: Procures 86 HF Manpack Radio Systems and three transit base stations. 2. Special Mission Radio System (SMRS) Upgrade. This program provides upgrades to fielded SMRS radios/base stations through P3I technology insertion. These upgrades include co-resident MIL-STD, non-standard automatic link establishment, and internal COMSEC capabilities.		

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BUDGET ITEM JUSTIFICATION SHEET		DATE	MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS		
2. Special Mission Radio System (SMRS) Upgrade. (Cont'd)			
FY 1997 PROGRAM JUSTIFICATION: Upgrades 261 SMRS radios/base stations through P3I technology insertion.			
3. Patrol Boat Riverine (PBR) C3 Upgrades. This upgrade replaces the URC-94 VHF/HF radio with NDI VRC-94 (B) V3 and RF 5000 V125 radios. This funding upgrades PBR craft that primarily operate in South America. Current radios are limited in reliability and range.			
4. NSW Tactical Radio Systems (TRS). Provides NSW maritime tactical communications system which provides radio control/interior communications and a drop-in communications package (DICP) capable of housing any combination of up to five HF, VHF, UHF, and SATCOM radios and associated crypto. Additionally, it includes a communications-capable helmet.			
FY 1997 PROGRAM JUSTIFICATION: Procures and installs 14 additional TRSs.			
5. Multiband/Multimission Radio (MBMMR). A joint SOF requirement, MBMMR provides a lightweight, secure, manpackable, multi-band transceiver capability replacing the AN/PRC-77, AN/PRC-85, AN/PRC-113, HST-4, and LST-5B/C. MBMMR provides VHF-FM, VHF-AM, UHF-AM, and UHF-FM satellite communications in a single radio, reducing the number of team radios carried by each team. Current deployments require teams to carry a minimum of five radios capable of operating in seven frequency bands.			
FY 1997 PROGRAM JUSTIFICATION: Procures 174 MBMMRs for AFSOC Special Tactics, NSW teams, and USASOC.			
6. Digital Team Information Device (DTID). DTID will be a mixture of ruggedized and commercial standard computer and video equipment designed to fulfill all aspects of the Operational Elements information management requirements. The system will be capable of			

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BUDGET ITEM JUSTIFICATION SHEET		DATE	MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS		
6. Digital Team Information Device (DTID). (Cont'd.) preparing, editing, storing, retrieving, transmitting, and receiving fixed or free formatted message traffic, word processor, graphics, and database files in digital form. It will interface with the team radio systems as well as commercial and tactical telephone networks to securely pass traffic seamlessly throughout the communications architecture. FY 1997 PROGRAM JUSTIFICATION: Procures 293 DTIDS. 7. Aircraft Wireless Intercom System (AWIS). AWIS allows reliable communications between Special Operations (SO) aircraft crew members, both external and internal to the aircraft, without the need for a physical hardware connection between the crew member and the aircraft. AWIS is self-contained, portable, lightweight, and is easily interchangeable between the various SO aircraft. <u>ABOVE OPERATIONAL ELEMENT (DEPLOYED)</u> 8. SOF Tactical Assured Connectivity Systems (SOFTACS). This line was formerly TACTICAL C4I. The SOFTACS program will provide significantly increased information transfer capability to deployed Special Operations Forces (SOF). It will field an integrated and balanced suite of communications systems designed to support the high capacity, digital, secure, interoperable transmission and switching requirements of emerging SOF command, control, communications, computer, and intelligence programs. SOFTACS will provide the wideband transmission system to support the data requirements of other programs such as the SOF Intelligence Vehicle, Man-Transportable SOCRATES.			

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS	MARCH 1996
8. SOF Tactical Assured Connectivity Systems (SOFTACS). (Cont'd) FY 1997 PROGRAM JUSTIFICATION: Procures voice switches and tri-band SHF SATCOM terminals required for the high volume of information for deployed SOF C3I nodes. 9. Joint Base Station (JBS). JBS consolidates three former programs: Naval Special Warfare (NSW) Task Unit Van (TUV), Special Forces Base Station, and Special Operations Communications Package into one joint program. JBS will provide SOF with continuous, reliable, long-range communications among SOF component commands while allowing for differences in missions. JBS will contain line-of-sight (LOS) and beyond LOS radios, and associated message handling and switching equipment, providing command and control voice, imagery, data, and facsimile. JBS can be transported aboard C-130 aircraft. (a) Joint Base Station Core System (JBS). Formerly NSW TUV. This system consists of a small, lightweight, on/off road, self-contained, diesel powered, air-transportable communications shelter which enables NSW task units to rapidly relay and receive tactical and intelligence information from infiltrated elements to higher authority. Communication-electronics will be modularized, allowing for rapid installation and/or removal of individual equipment or the entire suite in support of mission specific scenarios. (b) Joint Base Station Variant 1 (JBS V1). Formerly Special Forces Base Station. A small, transportable, high data rate, base station that is C-130 drive on/off capable. This is the initial procurement of production hardware for this system. FY 1997 PROGRAM JUSTIFICATION: Procures three production JBS V1s in support of Army SOF. (c) Joint Base Station Variant 2 (JBS V2). Formerly Special Operations Communications Package. Provides palletizable communications suites for AFSOC operations. JBS V2 will be small enough (48"X50"X48") to be transportable in the back of a vehicle		

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		MARCH 1996
P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS		

9. Joint Base Station (JBS). (Cont'd)

or loaded onto a 463L aircraft pallet. This package replaces the Special Communications Integrated Package which has become logistically unsupportable. JBS V2 will provide a lightweight, highly transportable communications suite fielded by the Special Operations Communications Flights.

FY 1997 PROGRAM JUSTIFICATION: Procures two production JBS V2s in support of Air Force SOF.

10. Theater Special Operation Commands (SOC). Theater SOC Contingency Communication Support provides for an organic, initial, rapid response and sustained contingency communication support package. This capability is required to support the deployed SOC element prior to the establishment of and transition to a Joint Special Operations Task Force (JSOTF). The goal is to provide the SOC with communications systems that can be supported with their present manpower capability. These systems will also allow the SOC to comply with the SOF architecture by buying systems that will interface with the other assets of the infosphere.

ABOVE OPERATIONAL ELEMENT (GARRISON)

11. Army Special Operations Command Network (ASOCNET). U.S. Army Special Operations Command requires an automated C2 system supported by a communication network to improve and facilitate the command and control, readiness and management of its mission responsibilities. ASOCNET will provide Command and Control (C2) through the interchange of information among commanders and staff personnel. ASOCNET is a series of local area networks under the direction of a Command Automation Center (CAC), capable of E-Mail processing and entry to the Defense Data Network with the ability to access other government systems. The CAC is located at Ft. Bragg with connectivity to other SOF CONUS locations. This system will significantly improve operations capability through the necessary interchange of both classified and unclassified information designed to enhance operations readiness, system reliability, maintainability and

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS	MARCH 1996
11. Army Special Operations Command Network (ASOCNET). (Cont'd) security. FY 1997 PROGRAM JUSTIFICATION: Procures necessary hardware and software to populate the LAN/WAN Metropolitan system. 12. SOF C4 Automated Information System (AIS). This program consolidates and provides upgrades for HQ USSOCOM, NSW, and AFSOC LAN. The program consists of 39 nodes and is expanding. The USSOCOM LAN/WAN provides the multi-level secure C4 AIS infrastructure for world-wide information flow between the headquarters, components, and SOC's. The AIS is in compliance with DOD standards and has been selected as a corporate information management migration system. The capabilities include office automation, secure dial-in, e-mail, wordprocessing, database, graphics, desktop publishing, project management, and automated message handling. 13. SCAMPI. This program provides a robust, seamless, automated communications network that enables dissemination of command, control, communications, and intelligence (C3I) information among HQ USSOCOM, its components and their major subordinate units, and selected government agencies and activities directly associated with the SOF community. Garrison C3I extends SCAMPI into the garrison locations of OCONUS forward deployed theater SOF elements, and the field/remote locations of deployed SOF via SCAMPI tactical gateways. The program consists of 39 nodes and is expanding.		

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Other Procurement	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just. /2			B. Line Item Nomenclature COMMUNICATIONS EQUIPMENT & ELECTRONICS				C. DATE: MARCH 1996	
	Ident. Code			FY 1995		FY 1996		FY 1997	
Weapon System Cost Elements		Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY
1. HF MANPACK RADIOS	A								
A. Production Support (ISHMRS)				50					
B. Manpack Radio Hardware (SMRS)		25.016	123	3,077	25.146	137	3,445	26.430	86
C. Transit Base Station Hardware (SMRS)		120.000	6	720	124.000	10	1,240	129.667	3
Subtotal				3,847			4,685		
2. SMRS Upgrade	A								
A. Hardware					8.523	262	2,233	5.805	261
Subtotal							2,233		
3. PBR C3 UPGRADE	A								
A. Hardware		65.000	2	130					
b. Production Support				26					
Subtotal				156					
4. NSW Tactical Radio System	A								
A. Hardware		45.337	14	635	49.960	25	1,249	52.357	14
Subtotal				635			1,249		
5. MBMMR	A								
A. Hardware						VAR	208	25.598	174
Subtotal							208		
6. Digital Team Information Device (DTID)	A								
A. Hardware								1.447	293
Subtotal									
7. Aircraft Wireless Intercom System (AWIS)	A								
A. Hardware					25.565	138	3,528		
Subtotal							3,528		

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Other Procurement		A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2		B. Line Item Nomenclature COMMUNICATIONS EQUIPMENT & ELECTRONICS		C. DATE: MARCH 1996	
		Ident.		FY 1995		FY 1996	
8. SOFTACS		A					
A. Hardware				VAR	3,481	VAR	11,589
Subtotal					3,481		11,589
9. JOINT BASE STATION		A					
B. Variant 1 Hardware						2,641,000	2,506,333
C. Variant 2 Hardware						590,500	583,000
Subtotal							6,463
10. THEATER SOCS		N/A					
A. Hardware				VAR	2,031	VAR	343
Subtotal					2,031		343
11. ARMY SOC NETWORK (ASOCNET)		A					
A. Hardware				VAR	3,285	VAR	1,630
Subtotal					3,285		1,630
12. SOF C4 AIS		N/A					
A. Hardware				VAR	1,287	VAR	558
Subtotal					1,287		558
14. SCAMPI		N/A					
A. Hardware				VAR	4,888	VAR	863
Subtotal					4,888		863
LINE ITEM TOTAL					19,610		33,349
							26,617

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: March 1996			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. HF MANPACK RADIOS										
B. MANPACK RADIO HARDWARE (SMRS)										
FY 95	CLASSIFIED	SS/FP	NSMA	MAR 96	JUL 96	123	25.016			
FY 96	CLASSIFIED	OPTION	NSMA	AUG 96	DEC 96	137	25.146	YES	NO	
FY 97	CLASSIFIED	OPTION	NSMA	DEC 96	MAY 97	86	26.430	YES	NO	
C. TRANSIT BASE STATION HARDWARE (SMRS)										
FY 95	CLASSIFIED	SS/FP	NSMA	MAR 96	JUL 96	6	120.000			
FY 96	CLASSIFIED	OPTION	NSMA	AUG 96	DEC 96	10	124.000	YES	NO	
FY 97	CLASSIFIED	OPTION	NSMA	DEC 96	MAY 97	3	129.667	YES	NO	
2. SMRS Upgrade										
A. HARDWARE										
FY 96	Classified	SS/FP	NSMA	AUG 96	MAR 97	262	8.523	NO		
FY 97	Classified	OPTION	NSMA	MAR 97	AUG 97	261	5.805	NO		
3. PBR C3 UPGRADE										
A. HARDWARE										
FY 95	Harris Corp Rochester, NY	C/OPTION	SPAWAR	JAN 95	JUL 95	2	65.000			
4. NSW TACTICAL RADIO SYSTEM										
A. HARDWARE										
FY 95	VARIOUS	PO	NAWC-AD	MAY 96	NOV 96	14	45.357	YES	NO	
FY 96	VARIOUS	PO	NAWC-AD	MAY 96	NOV 96	25	49.960	YES	NO	

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: March 1996			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
4. NSW TACTICAL RADIO SYSTEM (Cont'd)										
FY 97										
5. MBMMR										
A. HARDWARE										
FY 97										
6. DTID										
A. HARDWARE										
FY 97										
7. AIRCRAFT WIRELESS INTERCOM SYSTEM (AWIS)										
A. HARDWARE										
FY 96										
8. JBS										
B. VARIANT 1 HARDWARE										
FY 96										
FY 97										
C. VARIANT 2 HARDWARE										
FY 96										
FY 97										
D. REMARKS:										

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BUDGET PRODUCTION SCHEDULE				P-1 ITEM NOMENCLATURE		DATE:		MARCH 1988	
COMMUNICATIONS EQUIPMENT AND ELECTRONICS				FISCAL YEAR 88		FISCAL YEAR 89		FISCAL YEAR 90	
ITEM / MANUFACTURER / PROCUREMENT YEAR	Q R V	PROG QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	CALENDAR YEAR 88	CALENDAR YEAR 89	CALENDAR YEAR 90	CALENDAR YEAR 91	CALENDAR YEAR 92
1. HF MANPACK RADIOS									
b. MANPACK RADIO (SMRS)									
FY86	J	123	78	48					
FY88	J	137	76	183					
FY87	J	86	76	271					
c. TRANSIT BASE STATION (SMRS)									
FY86	J	6	3	3					
FY83	J	10	3	13					
FY87	J	3	3	16					
2. SMRS UPGRADE									
FY86	J	282	0	282					
FY87	J	261	0	523					
3. MBMMR									
FY87	J	174	0	125					
7. AIRCRAFT WIRELESS INTERCOM SYSTEM (AWIS)									
FY86	J	132	6	130					
8a. JBS (VARIANT 1)									
FY86	J	2	0	2					
FY87	J	2	0	3					
8c. JBS (VARIANT 2)									
FY86	J	2	0	2					
FY87	J	2	0	2					
TOTAL									
REMARKS:									
A = CONTRACT AWARD									
MANUFACTURER'S NAME AND LOCATION									
MIN SUBT 1-8-8									
MAX RCH'D D +									
INITIAL									
REORDER PENDING									

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BUDGET ITEM JUSTIFICATION SHEET		DATE						MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS							
		FY95	FY96	FY97	FY98	FY99	FY00	FY01	
QUANTITY									
COST (In Millions \$)		23.488	25.731	19.833	45.377	33.075	68.044	59.956	

MISSION AND DESCRIPTION: This budget line includes all Special Operations Forces (SOF) intelligence requirements under one procurement program. This program provides for various intelligence systems and equipment supporting SOF intelligence requirements. Examples of systems procured are Joint Deployable Intelligence Support System-Special Operations Command, Research, Analysis and Threat Evaluation System, SOF Intelligence Vehicle, Multi-mission Advanced Tactical Terminal (MATT), SILENT SHIELD, Integrated Survey Program, and PRIVATEER. Provides equipment for the Theater Special Operations Commands.

USSOCOM has developed an overall strategy to ensure that Command, Control, Communications, Computers, and Intelligence (C4I) systems continue to provide SOF with the required capabilities into the 21st century. USSOCOM's C4I systems comprise an integrated network of systems providing positive command and control and the timely exchange of intelligence and threat warning to all organizational echelons. The C4I systems that support this new architecture will employ the latest standards and technology by transitioning from separate systems to full integration with the infosphere. The infosphere will allow SOF elements to operate with any force combination in multiple environments. The C4I programs funded in this procurement line are grouped by the level of organizational element they support: Operational Element (Team), Above Operational Element (Deployed) and Above Operational Element (Garrison).

OPERATIONAL ELEMENT (TEAM)

1. MATT. Program enables combat forces to directly receive near-real-time operational intelligence products and threat information to

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		MARCH 1996
P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS		
1. Multi-mission Advanced Tactical Terminal (MATT). (Cont'd) support mission planning, updates, and execution. The program integrates MATT capabilities with platform command, control, communications, and intelligence systems. Procurement and fielding of MATT will address the primary requirement for undetected infiltration and exit from operating areas and over the horizon radars. FY 1997 PROGRAM JUSTIFICATION: Procures aircraft modifications to accommodate MATT on the MH-53J Pave Low helicopter and Integrated Broadcast Service Receivers; also funds engineering change proposals. 2. SILENT SHIELD. The Program is part of an evolutionary Joint Threat Warning System (JTWS) migration being developed to support Special Operations Forces (SOF)-wide operations. System development emphasizes a rapid prototyping effort to develop, test, and field systems that provide direct threat warning and enhanced situational awareness data to SOF aircrews at the Collateral SECRET level. FY 1997 PROGRAM JUSTIFICATION: Procures five systems. 3. Integrated Survey Program (ISP). Program procures commercial/government off-the-shelf equipment for a total of 11 suites of standard survey equipment. Packages will be fielded to each theater and special survey team. Standard equipment will consist of laptop computers with software to assist in data collection, digital filmless cameras, 8mm video cameras, global positioning system receivers, and laser rangefinders. FY 1997 PROGRAM JUSTIFICATION: Provides for subsystem upgrades.		

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	MARCH 1996
4. PRIVATEER. PRIVATEER is part of an evolutionary Joint Threat Warning System (JTWS) migration and acquisition program. It is a permanent shipboard installation that provides a full-spectrum passive electronic warfare capability for communications and radar early warning. System configuration provides the equipment necessary to monitor and provide direction finding on radar and communications signals of interest and provides access to data from the Multi-mission Advanced Tactical Terminal (MATT) and Man-Transportable Special Operations Command Research, Analysis, and Threat Evaluation System (SOCRATES). PRIVATEER will be receive only and provide organic, near-real-time tactical information to the supported commanding officer and SEAL team leader. System developed based on NDI hardware with government furnished equipment maximizing commercial and government off-the-shelf software. Architecture is Joint Deployable Intelligence Support System (JDISS)/Joint Maritime Communications and Intelligence Support System compliant with UNIX-based software. <u>ABOVE OPERATIONAL ELEMENT (DEPLOYED)</u> 5. Special Operations Forces Intelligence Vehicle (SOF IV). The SOF IV is a deployable, automated, multi-source intelligence processing and dissemination system. The SOF IV extends the JDISS-SOCRATES architecture to the Joint Special Operations Task Force level permitting automated interface to all theater-level intelligence data handling systems. SOF IV provides for the receipt, processing, and manipulation of near-real-time intelligence data in order to produce highly tailored, accurate and timely intelligence products to support deployed SOF. The system employs a high mobility multi-purpose wheeled vehicle configured with a rigid wall, standard integrated command post shelter to house computer servers, mass storage devices, and communications equipment, and a tent extension for the remote operation of analyst workstations. It incorporates DOD Intelligence Information System and JDISS standards and products in accordance with JCS direction.		

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		MARCH 1996
P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS		
6. Theater Special Operations Commands (SOCs). USSOCOM is responsible to ensure that SOCEUR, SOCSOUTH, SOCPAC, SOCLANT, SOCCENT, and SOC-K are supported and provided with intelligence processing and dissemination systems consistent with Command Intelligence Architecture Plans. Intelligence capabilities are annually assessed and acquisition strategies adjusted to accommodate unique intelligence requirements within each Theater. NOTE: Multi-mission Advanced Tactical Terminal and the Joint Deployable Intelligence Support System-Special Operations Command Research, Analysis and Threat Evaluation System (JDISS-SOCRATES) are also planned for this level. <u>ABOVE OPERATIONAL ELEMENT (GARRISON)</u> 7. JDISS-SOCRATES Program. The JDISS-SOCRATES program provides a wide range of mission-directed automated intelligence and imagery support to USSOCOM and components and extension to USSOCOM mission support units, Theater Special Operations Commands, and forward-deployed SOF. JDISS-SOCRATES is a UNIX-based, client server architecture which allows single workstation access to the databases and provides secure, on-line services to remote sites via SCAMPI (a secure communications distribution system) and the Joint Worldwide Intelligence Communications System. Much of the data is acquired from national intelligence assets/databases and tailored to SOF needs. JDISS-SOCRATES provides near-real-time intelligence to the SOF community. JDISS-SOCRATES capabilities include data processing, secure voice/video conferencing, news and message traffic, video mapping, soft copy imagery processing and secondary imagery dissemination. This program ensures SOF interoperability and connectivity with Theater, Service, and national intelligence systems. FY 1997 PROGRAM JUSTIFICATION: Continues procurement of equipment to establish a distributed JDISS-SOCRATES network architecture in compliance with the nationally directed client-server environment.		

P-1 SHOPPING LIST, ITEM NO. 64

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BUDGET ITEM JUSTIFICATION SHEET		DATE				MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS					
MODIFICATIONS SUMMARY						
<u>DESCRIPTION</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>	<u>FY 01</u>
Multi Mission Advanced Tactical Terminal (MATT) Modification to MH-53J	0.528	6.900	9.823	21.758	13.087	0.934
PRIVATEER (Patrol Coastal)		8.555		6.870	0.608	
TOTAL	0.528	15.455	9.823	28.628	13.695	0.934

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-9) - Other Procurement	A. Appropriation/Budget Activity Title/No. Procurement, Defense/Idc/Proc. Just./2	B. Line Item Nomenclature SOP INTELLIGENCE SYSTEMS				C. DATE: MARCH 1996			
		Ident. Code	FY 1995			FY 1996			FY 1997
			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	
1. MATT									
A. Prime Mission Equipment (MATT)	A								
B. Prime Mission Equipment (BMATT)	A								
C. Production Engineering	A			5,559			5,377		1,000
D. MH-53J Modification Costs (See P3a)	A			528			6,900		9,823
Subtotal				6,087			12,277		12,683
2. SILENT SHIELD	A								
A. Prime Mission Equipment									
3. INTEGRATED SURVEY PROGRAM (ISP)	A								
A. System Upgrades									
4. PRIVATEER	A								
A. Prime Mission Equipment									
5. SOF IV									
A. Hardware	N/A								
B. Production Support	N/A								
Subtotal									
6. THEATER SOCS	N/A								
7. SOCRATES									
A. Integrated Workstations/Peripherals	N/A								
B. MTS	N/A			33,533	15		503		
C. File Server/Network Upgrades	N/A						2,485		
Subtotal							5,970		
LINE ITEM TOTAL							23,488		19,833

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: March 1996			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE SOP INTELLIGENCE SYSTEMS			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. MATT										
A. PRIME MISSION EQUIPMENT (MATT) FY 97	Allied Signal Towson, MD	OPTION	USSOCOM	OCT 96	OCT 97	12	128,500	YES	NO	
B. PRIME MISSION EQUIPMENT (BMATT) FY 97	Allied Signal Towson, MD	OPTION	USSOCOM	OCT 96	OCT 97	2	159,000	YES	NO	
2. SILENT SHIELD										
A. PRIME MISSION EQUIPMENT FY 97	UNKNOWN	C/FFP	USSOCOM	JAN 97	OCT 97	5	673,400	YES	YES	OCT 96
4. PRIVATEER										
A. PRIME MISSION EQUIPMENT FY 96	Autometrics Baltimore, MD	SS/CPFF	NISE-B	MAR 96	SEP 96	5	1,711,000			
7. SOCRATES										
B. MTS FY 95	SASS Alexandria, VA	C/FFP	DIA	OCT 94	MAY 95	15	33,593			
D. REMARKS:										

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: MULTI-MISSION ADVANCED TACTICAL TERMINAL (MATT)

MODELS OF SYSTEMS AFFECTED: MH-53J

DESCRIPTION/JUSTIFICATION:

This effort integrates the MATT onto the existing Military-Standard 1553 data bus to provide electronic order of battle information to the crew. The integration also adds a digital map system and displays. The program modifies existing computers, controls, and display systems and replaces the projected map and data transfer systems. The system architecture is designed to allow the integration of other systems in the future, identified as a result of the Quiet Knight study effort.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

90W: Jul 92: CCB: May 92: CMRB: Jul 92. (Altcraft Breakout: 0 ANC; 0 AFHS; 41 Active)

FINANCIAL PLAN: (\$ in millions)

RDT&B

PROCUREMENT

	2*	12	13	16	17	10	14	40	4.4
Installation Kits									
Installation Kit Nonrecurring	0.6								0.6
Equipment			5.9		7.8		6.0	19.7	
Equipment Nonrecurring	4.5	2.4						6.9	
Engineering Change Orders		4.2			1.2	1.9	0.4	7.7	
Data	6.4				0.9	0.7		8.0	
Support Equipment	1.0		2.3		0.5		0.9	4.7	
Training Equipment	0.3				4.7			5.0	
Interim Contractor Support		0.5	0.3		0.8		0.3	2.2	

Installation of Hardware

	2	°	2	2
FY96				
FY95				
FY96				
FY97	12	4.2	12	4.2
FY98			16	5.0
FY99			10	3.6
FY00				
FY01				
To Complete				

Total Installation Cost

^c Two installation kits are included in NRE.

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 64

CONTRACTOR (LOCAL)

Current Year: 1/95

Current Year: 2/95

Budget Year 1: 1/96

Budget Year 1: 2/96

6 MONTHS

Bud

Bud

PRODUCTION I

15/97

2197

3 MONTHS

.....

P-1 SHOPPING LIST, ITEM NO. 64

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EXHIBIT P-3A

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MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MH-53J MULTI-MISSION ADVANCED TACTICAL TERMINAL (MATT)

INSTALLATION SCHEDULE:

	FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4
PY							2					
FY 95												
FY 96												
FY 97												
FY 98												
FY 99												
FY 2000												
FY 2001												

	FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4
PY								2				
FY 95												
FY 96												
FY 97												
FY 98												
FY 99												
FY 2000												
FY 2001												

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MODIFICATION OF WEAPON SYSTEMS
MODIFICATION TITLE: MH-53J MULTI-MISSION ADVANCED TACTICAL TERMINAL (MATT)

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		2
FY 95																		
FY 96																		
FY 97		4	4	4														12
FY 98					4	4	4	4										16
FY 99									4	4		2						10
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		2
FY 95																		
FY 96																		
FY 97		4	4	4														12
FY 98					4	4	4	4										16
FY 99									4	4		2						10
FY 2000																		
FY 2001																		

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BUDGET ITEM JUSTIFICATION SHEET		DATE						MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SOF SMALL ARMS & SUPPORT EQUIPMENT						
		FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (In Millions \$)		8.804	10.764	10.613	6.966	10.795	2.320	5.119

MISSION AND DESCRIPTION: Provides small arms and weapons in support of SOF. These forces include Rangers, special forces groups, special boat units, special warfare groups, special warfare units, SEAL teams, special boat squadrons and SEAL delivery vehicle teams. A variety of SOF small arms and weapons are procured through this budget line, including: SOF foreign weapons; Ranger Anti-Armor/Anti-Personnel Weapons System; Navy small arms and weapons and support equipment; M4A1 Carbine; M4A1 Special Operations Peculiar Modification (SOPMOD) Accessory Kits and support equipment; MK 23 MOD 0 SOF Offensive Handgun; SOF Laser Marker (SOFLAM); and Battle Dress System (BDS).

1. SOF Weapons Systems Ordnance and Equipment. Provides SEAL units a variety of items and engineering support for combat and training exercises. Provides minor equipment (special tools such as wrenches, handling gear, and waterproof specialty items); commercially available MK-186 MOD 0 remote firing kits; product improvements to the MK-31 MOD 0 standoff weapon; the Limpet Assembly Module (LAM) MK-5 and Practice Limpet Assembly Module (PLAM) MK-6; the MK-31 heavy weight torpedo for the MK-32 MOD 0 special warfare assemblage and its support equipment; MK-32 MOD I torpedoes; and ECPs for LAM MK-5 / PLAM MK-6.

2. SOF Weapons and Support Equipment. Provides a variety of support equipment, replacement weapons, mobile repair capability, standoff weapons and sniper rifles. Also provides support equipment such as gun mounts, stands, and installation kits for boat backfit or modification; purpose code replacement and/or follow-on procurement of unique weapons to maintain inventory; mobile repair vans for spare parts and supplies for weapons maintenance; anti-material weapons for extended ranges; and sniper rifles needed for standoff point target destruction.

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		MARCH 1996
P-1 ITEM NOMENCLATURE SOF SMALL ARMS & SUPPORT EQUIPMENT		
2. SOF Weapons and Support Equipment. (Cont'd) FY 1997 PROGRAM JUSTIFICATION: Procures 125 .50 caliber sniper rifle retrofit kits, 110 boat gun mounts and support equipment. 3. MK 23 MOD 0 SOF Offensive Handgun System. Program consists of a .45 caliber handgun, noise/flash suppressor, and laser aiming module. The system improves upon currently available handguns by providing increased reliability, accuracy, and offensive incapacitation capability. FY 1997 PROGRAM JUSTIFICATION: Procures 650 laser aiming modules, completing the production program. 4. SOF Weapons Mods and Support Equipment. Provides weapons and associated equipment with a variety of enhanced capabilities including modification of existing weapons to accommodate items such as night vision devices and aiming modules. One such modification is the M4A1 Carbine Accessory Kit which gives the basic M4A1 Carbine various accessories to adapt it for missions across the operational spectrum. Provides for kits which consist of day scopes, night scopes, integrated scopes, active aiming laser module, grenade launchers, lightweight grips, and an interface system to allow integration of these items with the M4A1 Carbine. FY 1997 PROGRAM JUSTIFICATION: Procures 860 sets of M4A1 Carbine Accessory Kits and 1,779 M4A1 Carbines for Naval Special Warfare Command. 5. Battle Dress System (BDS). BDS is a multi-layer, head-to-toe protection, clothing, and load-bearing system which will provide protection against weather extremes, ballistic threats, chemical and biological threats, and enemy detection. BDS also will provide the user with a mission-adaptable load-bearing capability. BDS is needed to replace the current cold weather uniform; nuclear, biological, chemical, protective suit; ballistic protection vest; rucksack; and load-bearing equipment. The integration of the functions served by these numerous		

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BUDGET ITEM JUSTIFICATION SHEET		DATE	MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF SMALL ARMS & SUPPORT EQUIPMENT		
5. Battle Dress System. (Cont'd) and cumbersome equipment articles will greatly reduce carry loads and improve user flexibility and endurance under varying conditions. FY 1997 PROGRAM JUSTIFICATION: Procures 145 critically needed advanced body armor with integrated, load bearing equipment. 6. Special Operations Forces Laser Acquisition Marker (SOFLAM). SOFLAM provides Special Operations Forces (SOF) with a lightweight, manportable, laser target designator and rangefinder effective out to five kilometers. SOFLAM gives SOF a standoff capability against strategic targets. SOFLAM replaces heavier, bulkier, and less reliable systems, such as the Compact Laser Designator. FY 1997 PROGRAM JUSTIFICATION: Procures various components of the SOFLAM system to include cables, connectors, battery harnesses, battery cases, carrying cases, and tripods. Funds acceptance testing of 145 SOFLAM units at the contractor's plant. Also funds program support to include maintenance of repair parts, stockage levels, integrated logistics support management, and program management during delivery and fielding. 7. Stinger Thermal Sight (STS) Kit. The AN/PAS-18 (WASP) is a rugged, lightweight thermal imaging sight that mounts on the Stinger Missile Rd. and provides a 24-hour mission capability. The sight works passively in the same infrared spectrum as the seeker and allows the gunner to perform target acquisition and weapon firing during total darkness and under reduced visibility conditions such as fog, dust, smoke, and haze.			

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Other Procurement	A. Appropriation/Budget Activity Title/No. Procurement, Defense/Id/Proc. Just/2			B. Line Item Nomenclature SOF SMALL ARMS & SUPPORT EQUIPMENT			C. DATE: MARCH 1996		
	Ident. Code			FY 1995			FY 1996		
				Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
Weapon System Cost Elements									
1. SOF WEAPONS SYSTEMS ORDNANCE & EQUIPMENT									
A. Minor SWS Equipment	A					13			
B. Remote Firing Device	A			45,000	8	360			
C. Production Engineering	N/A					150			
D. Product Upgrades	N/A					365			
E. LAM MK 5 ECP's	A					500			
Subtotal						1,388			
2. SOF WEAPONS & SUPPORT EQUIP									
A. Support Equipment	A					321			52
B. M3 Carl Gustaf & Aco	A			13,833	60	830			
C. Purpose Code Weapons	A					63			
D. .300 Winmag Sniper Rifles	A								
E. .50 Cal Sniper Rifles	A						3,120	125	398
F. Mounts	A						1,818	110	206
G. Production Engineering	N/A								70
Subtotal						1,214			726
3. OFFENSIVE HANDGUN SYSTEM									
A. Offensive Handgun (All-Up Weapon)	A			1,206	1,950	2,352	1,009	1,005	1,014
B. Non-recurring Cost	N/A					2,409			
C. Production Engineering	N/A					124			137
D. Laser							0,716	703	503
E. Suppressor							0,575	1,350	776
F. Magazines				.029	4,290	124	0,029	23,300	676
G. Holsters & Magazine Pouches							0,085	5,175	440
H. Spare Parts								VAR	348
Subtotal						5,009			636

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Weapon System Cost Elements	A. Appropriation/Budget Activity Title/No. Procurement, Defense/Proc. Just./2			B. Line Item Nomenclature SOF SMALL ARMS & SUPPORT EQUIPMENT										C. DATE: MARCH 1996		
	Ident. Code			FY 1995			FY 1996			FY 1997			Total Cost	Unit Cost	QTY	Total Cost
				Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost				
4. SOF WENS MODS & SPT EQUIP																
A. M4 Carbine - Modified	A						0.520	1,780	926	0.520	1,779	925				
B. M203 Heat Shield	A															
C. M4 Carbine for Grenade Launcher	A															
D. Repair Kits	A															
E. Production Support	N/A															
F. M4 Carbine SOFMOD Kits	A			8.837	135	1,193	8.827	307	2,710	8.792	860	7,561				
Subtotal						1,193			3,636			8,486				
5. BATTLE DRESS SYSTEM																
A. Lightweight Cold Weather Equipment	A						0.220	1,000	220							
B. Body Armor/LBE	A									1.993	145	289				
Subtotal									220			289				
6. SOFLAM																
A. Hardware	A															
B. Production Engineering Support	N/A															
Subtotal																
7. STS KIT																
A. Hardware	A						19.667	18	354							
Subtotal									354							
LINE ITEM TOTAL						8,804			10,764			10,613				

P-1 SHOPPING LIST, ITEM NO. 65

EXHIBIT P-5, Weapon System Cost Analysis

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EXHIBIT P-5, WEAPON SYSTEM COST ANALYSIS

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BUDGET PROCUREMENT HISTORY AND PLANNING											A. DATE: March 1996	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2			C. P-1 ITEM NOMENCLATURE SOF SMALL ARMS AND SUPPORT EQUIPMENT									
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL		
1. SOF WPN SYSTEMS ORDNANCE/EQUIP												
A. REMOTE FIRING DEVICE												
FY 95	NSWC Crane Div	MIPR	NAVSEA	OCT 94	MAY 95	8	45,000					
2. SOF WEAPONS AND SUPPORT EQUIP												
B. M3 Carl Gustaf & Acc												
FY 95	NSWC Crane Div Crane, IN	MIPR	NSWCD Crane	AUG 95	AUG 96	60	13,833					
E. .50 Cal Sniper Rifle												
FY 96	NSWC Crane Div Crane, IN	MIPR	NSWCD Crane	MAR 96	SEP 96	125	3,120					
FY 97	NSWC Crane Div Crane, IN	MIPR	NSWCD Crane	MAR 97	SEP 97	125	3,184	NO				
F. Mounts												
FY 96	NSWC Crane Div. Crane, IN	MIPR	NSWCD Crane	MAR 96	SEP 96	110	1,818					
FY 97	NSWC Crane Div. Crane, IN	MIPR	NSWCD Crane	MAR 97	SEP 97	110	1,873	YES	NO			
3. SOF OFFENSIVE HANDGUN SYSTEM												
A. Offensive Handgun (All-Up Weapon)												
FY 95	Heckler & Koch Sterling, VA	SS/FP	NSWD Crane	JUN 95	MAY 96	1,950	1,206					

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BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: March 1996	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2					C. P-1 ITEM NOMENCLATURE SOF SMALL ARMS AND SUPPORT EQUIPMENT						
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL	
3. SOF OFFENSIVE HANDGUN SYSTEM (Cont'd)											
FY 96	Heckler & Koch Sterling, VA	OPTION	NSWD Crane	JUL 96	DEC 96	1,005	1.009	YES			
D. Laser Aiming Module											
FY 96	UNKNOWN	C/FP	NSWC Crane	JUN 96	AUG 96	703	.716	NO			
FY 97	UNKNOWN	OPTION	NSWC Crane	JAN 97	MAR 97	650	.768	NO			
E. Suppressor											
FY 96	Knights Armament Vero Beach, FL	SS/FP	NSWC Crane	JAN 96	APR 96	1,350	.575	NO			
F. Magazines											
FY 95	Heckler & Koch Sterling, VA	SS/FP	NSWC Crane	MAY 95	MAY 96	4,290	0.029				
FY 96	Heckler & Koch Sterling, VA	OPTION	NSWC Crane	NOV 95	JUN 97	23,300	.029	NO			
G. Holsters & Magazine Pouches											
FY 96	Safariland Ontario, CA	C/FP	NSWC Crane	FEB 96	MAY 96	5,175	0.085	NO			

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BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: March 1996	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2										C. P-1 ITEM NOMENCLATURE SOF SMALL ARMS AND SUPPORT EQUIPMENT	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL	
4. SOF WPNS MODS & SPT EQUIP											
A. M4 CARBINE - MODIFIED (M4A1)											
FY 96	Colt, Inc.	OPTION	U.S. Army	MAY 96	JUL 96	1,780	.520	YES	NO		
FY 97	Hardford, CN Colt, Inc. Hardford, CN	OPTION	U.S. Army	MAY 97	MAR 97	1,779	.520	YES	NO		
F. M4 CARBINE SOFMOD KITS											
FY 95	VARIOUS	C/FP	NSWC Crane	MAR 95	SEP 95	135	8.837				
FY 96	VARIOUS	C/FP	NSWC Crane	MAR 96	SEP 96	307	8.827				
FY 97	VARIOUS	C/FP	NSWC Crane	MAR 97	SEP 97	860	8.792	NO			
5. BATTLE DRESS SYSTEM (BDS)											
A. Lightweight Cold Weather Equipment											
FY 96	VARIOUS	C/FP	USSOCOM	JUL 96	OCT 97	1,000	.220	NO			
B. Body Armor/LBE											
FY 97	UNKNOWN	C/FP	USSOCOM	JAN 97	SEP 97	145	1.993	NO			
7. STS KIT											
FY 96	Magnavox Mahwah, NJ	C/FP	USMC	JAN 96	SEP 96	18	19.667				
D. REMARKS:											

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BUDGET ITEM JUSTIFICATION SHEET		DATE						MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT							
		FY95	FY96	FY97	FY98	FY99	FY00	FY01	
QUANTITY									
COST (In Millions \$)		9.840	6.842	5.030	8.800	12.750	16.464	29.673	

MISSION AND DESCRIPTION: This program provides necessary equipment to enable the Naval Special Warfare Command to meet specific requirements for the execution of Special Operations and fleet support mission as the Naval Component of the U.S. Special Operations Command. These elite forces are called upon to perform difficult life threatening missions that require modern and safe equipment. Numerous items of equipment, such as small craft, open and closed circuit scuba equipment, and mine countermeasure equipment, are required for the Naval Special Warfare component to execute their unique, special operations missions.

1. Combatant Craft and Craft Subsystems. The Navy Special Warfare (NSW) Rigid Inflatable Boat (RIB) program provides a medium range surface mobility platform for SOF insertion and extraction and replaces the Special Warfare Craft (Light), or SEAFOX, which has ended its service life. The program supports the procurement of RIBs, trailers, deployment packages, on-board spares, and provides engineering support. Alterations, material, and installation funds support boat alterations for emergent modifications to craft in the NSW inventory that require centrally-managed equipment and headquarters expertise.

FY 1997 PROGRAM JUSTIFICATION: Funds procurement of four low-rate initial production (LRIP) RIBs with trailers, prime movers, deployment packages, equipment shelters, electronics, and initial and on-board spares following a Milestone IIIA approval and based on an FY 96 restructured NSW RIB program. Deliveries of full-rate production assets will commence within 12 months of ordering the LRIP assets. Funds provided for the Navy Boat Program will support safety and reliability upgrades to surface craft in the NSW inventory.

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT	MARCH 1996
2. Undersea Subsystems. The program funds emergent Dry Deck Shelter (DDS) field changes that improve diver/submarine safety and enhance mission success. FY 1997 PROGRAM JUSTIFICATION: The DDS maintenance philosophy is to use Commercial, Off-the-Shelf (COTS)/Non-Developmental Item (NDI) equipment, where possible. Field changes replace worn/obsolete COTS/NDI components to keep DDS units operating.		

P-1 SHOPPING LIST, ITEM NO. 66

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Other Procurement	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2	B. Line Item Nomenclature SOF MARITIME EQUIPMENT						C. DATE: MARCH 1996				
		Ident. Code	FY 1995			FY 1996			FY 1997			
			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	
1. COMBATANT CRAFT SUBSYSTEMS												
A. 24 Ft. RIBs												
(1) Boats	A						100,000	30	3000			
(2) Trailers	A						16,000	30	480			
(3) Movers	A											
(4) Deployment Packages	A						48,000	15	720			
(5) Shelters	A						12,000	30	360			
(6) Initial/On-Board Spares	A						15,000	30	450			
(7) Electronics	A											
(8) Other	N/A					92			774			
B. NSW RIB												
(1) Boats	A									574,000	4	2,296
(2) Trailers	A									32,500	4	130
(3) Movers	A									75,500	2	151
(4) Deployment Packages	A									324,000	2	648
(5) Shelters	A									14,500	4	58
(6) Initial/On-Board Spares	A									19,750	4	79
(7) Electronics	A									31,000	4	124
(8) Other	A											459
C. ALT/MAT/INSTALL												
Subtotal	A					462		VAR	484		VAR	506
						554			6,268			4,451
2. UNDERSEA SUBSYSTEMS												
A. Mini Underwater Global Positioning System Receiver (MUGR)	A				6,396	192	1,228					
B. Dry Deck Shelter Field Changes	N/A					VAR	643		VAR	574	VAR	579
Subtotal							1,871			574		579

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: March 1996			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2							C. P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. COMBATANT CRAFT SUBSYSTEMS										
A. 24 Ft. RIBs										
(1) Boats										
FY 96	Zodiac Boats Annapolis, MD	C/FP OPTION	NAVSPECWARCOM	APR 96	OCT 96	30	100.000	YES	NO	
(2) Trailers										
FY 96	Zodiac Boats Annapolis, MD	C/FP OPTION	NAVSPECWARCOM	APR 96	OCT 96	30	16.000	YES	NO	
(4) Deployment Packages										
FY 96	VARIOUS	OPTION	NAVSPECWARCOM	APR 96	OCT 96	15	48.000	YES	NO	
(5) Shelters										
FY 96	VARIOUS	OPTION	NAVSPECWARCOM	APR 96	OCT 96	30	12.000	YES	NO	
(6) ILS										
FY 96	VARIOUS	OPTION	NAVSPECWARCOM	APR 96	OCT 96	30	15.000	YES	NO	
B. NSW RIB										
(1) Boats										
FY 97	UNKNOWN	C/FP OPTION	SOKO	MAR 97	AUG 97	4	574.000	NO		
(2) Trailers										
FY 97	UNKNOWN	C/FP OPTION	SOKO	MAR 97	AUG 97	4	32.500	NO		
(3) Movers										
FY 97	UNKNOWN	OPTION	SOKO	MAY 97	AUG 97	2	75.500	NO		

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: March 1996			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2							C. P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL.	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
(4) Deployment Packages FY 97	UNKNOWN	OPTION	SOKO	MAY 97	AUG 97	2	324,000	NO		
(5) Shelters FY 97	UNKNOWN	OPTION	SOKO	MAY 97	AUG 97	4	14,500	NO		
(6) ILS FY 97	UNKNOWN	OPTION	SOKO	MAY 97	AUG 97	4	19,750	NO		
(7) Electronics FY 97	UNKNOWN	OPTION	SOKO	MAY 97	AUG 97	4	31,000	NO		
2. UNDERSEA SUBSYSTEMS A. Mini Underwater Global Positioning System Receiver (MUGR) FY 95	Trimble NAV	SS/FP	ABERDEEN PROVING GROUND	JUN 95	SEP 95	192	6,396			
D. REMARKS:										

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BUDGET ITEM JUSTIFICATION SHEET		DATE							
		MARCH 1996							
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT							
		FY95	FY96	FY97	FY98	FY99	FY00	FY01	
QUANTITY									
COST (in Millions \$)		3.191	5.216	3.030	3.513	6.719	11.184		11.733

MISSION AND DESCRIPTION: The Miscellaneous Equipment budget line provides for various types of equipment required to support Special Operations Forces (SOF). The line consists of relatively low cost procurement (total item cost normally less than \$10 million) that do not reasonably fit in other USSOCOM procurement line item categories. Examples are equipment to support headquarters and subordinate command operations, joint stock and collateral equipment associated with military construction, and active noise reduction helmet harnesses.

1. USSOCOM Headquarters Management. Base Procured Investment Equipment (BPIE) for USSOCOM and the Deployment Cell (D-Cell Unit). The D-Cell Unit provides base level support in an austere field environment for the headquarters or components during exercises and contingencies.

2. Joint Operational Stocks (JOS). The JOS are centrally managed, maintained and stored repositories of immediately available Special Operations-peculiar low density supplies and equipment. JOS are designed to provide an enhanced operational mission capability to deployed SOF units in support of world-wide contingency operations and other direct missions. The equipment is located at the SOF Support Activity located at Lexington-Bluegrass Army Depot.

FY 1997 PROGRAM JUSTIFICATION: Funds offset critical supply requirements by maintaining off-the-shelf leading edge mission capable equipment on an on-call basis.

P-1 SHOPPING LIST, ITEM NO. 68

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Page 1 of 2 Pages
EXHIBIT P-40 Budget Item Justification Sheet

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		MARCH 1996
P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT		
3. Special Operations/Combat Service Support (SO CBT SPT/CSS). Funding provides communications and logistics support of units across the spectrum of conflict. 4. SOF Medical Training Facilities Equipment. Procures needed equipment for the John F. Kennedy Special Warfare Center Medical Facility. Included are X-ray, pharmacy, library, classroom, audio visual, teletraining systems and other required equipment. 5. Active Noise Reduction. Active Noise Reduction will be built into the headsets and helmets used by aircraft crew members and use electronic noise canceling to reduce the noise level. The system detects the ambient noise signal, reverses the phase and amplitude, and reinserts the signal into the earcup to cancel high amplitude noise levels in aircraft cockpits and cargo bays. 6. Navy Civil Engineering Support Equipment. Procures vehicles and materiel handling equipment in support of Naval Special Warfare (NSW) requirements. FY 1997 PROGRAM JUSTIFICATION: Procures authorized table of equipment, vehicles and material handling equipment. 7. Special Tactics Squadron Vehicles (STSV). Procures unmarked commercial type vehicles presenting civilian appearance. Program includes the following body styles: Bronco 4X4, 3 pax P/U, 6 pax P/U 4X4, 15 pax van, and standard pick-ups, cargo vans and Broncos. These vehicles are used to support training, exercises, and contingencies, and are required for sensitive activities in which military vehicles would not be feasible. 8. NSW Sustainment Equipment (formerly called NSW Groups/NSW Units East and West). Procures investment sustainment items for NSW headquarters and subordinate commands. Included are deployable rapid assembly shelters, establishments and upgrade of local automated data processing systems, intrusion detection systems, and other required equipment.		

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Other Procurement	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just. 12		B. Line Item Nomenclature MISCELLANEOUS EQUIPMENT				C. DATE: MARCH 1996			
			FY 1995				FY 1996			
			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY
1. USSOCOM										
A. Base Procured Investment Equipment	A				755					
Subtotal					755					
2. JOINT OPERATIONAL STOCKS (JOS)										
A. Hardware	A				799			768		794
Subtotal					799			768		794
3. SO CBT SPT/CSS										
A. Hardware	A				183					
Subtotal					183					
4. SOF MED TRNG FACILITIES EQUIP										
A. Hardware	A				822					
Subtotal					822					
5. ACTIVE NOISE REDUCTION										
A. Hardware	A		1,345	197	265	1,452	507	736		
B. Production Data					15			15		
C. Production Support (non-recurring)					132			288		
D. Aircraft Modification Kits					80					
Subtotal					492			1,039		
6. NAVY CIVIL ENGINEERING SUPPORT EQUIPMENT										
A. Hardware	A							1554		2,236
Subtotal								1,554		2,236
7. SPECIAL TACTICS SQD'N VEHICLES										
A. Hardware	A		35,000	4	140					
Subtotal					140					

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P-1 SHOPPING LIST, ITEM NO. 68

Page 2 of 2 Pages
EXHIBIT P-5, Weapon System Cost Analysis

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: March 1996			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
5. ACTIVE NOISE REDUCTION A. HARDWARE FY 95	BOSE Framingham, MA	SS/FP	HSC/YAS	AUG 95	SEP 96	197	1.345			
FY 96	BOSE Framingham, MA	SS/FP	HSC/YAS	APR 96	JAN 97	507	1.452			
7. SPECIAL TACTICS SQD'N VEHICLES A. HARDWARE FY 95	GSA	SS/FP	AFMC	JUN 95	AUG 95	4	35.000			
D. REMARKS:										

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BUDGET ITEM JUSTIFICATION SHEET		DATE						
		MARCH 1996						
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SOF PLANNING AND REHEARSAL SYSTEM						
	FY95	FY96	FY97	FY98	FY99	FY00	FY01	
QUANTITY								
COST (In Millions \$)	6.490	1.090	1.876	0.570	1.132	4.496	4.835	

MISSION AND DESCRIPTION: Special Operations Forces Planning and Rehearsal System (SOPARS) is an integrated family of mission planning systems, supported by intelligence databases and imagery that will be used by planners within the Special Operations Forces (SOF) command structure world-wide to plan and preview SOF missions. Major areas requiring automated support include data access and management, information fusion, image exploitation, mission planning and mission preview. SOPARS develops and procures aviation mission planners and consist of unit/force level systems (transportable) capable of utilizing data transfer modules for avionics initialization and element systems (portable). SOPARS focuses on the joint requirements to ensure interoperability and standardization of the SOF mission planning process.

FY 1997 PROGRAM JUSTIFICATION: Upgrades 72 previously procured Portable Mission Planning Systems and procures nine Deployable Desktop Mission Planners.

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: March 1996			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE SOF PLANNING AND REHEARSAL SYSTEM (SOFPARS)			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL.	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
A. Desktops FY 95	LOCKHEED Needham, NH	OPTION	ESC/TV	SEP 95	DEC 95	10	100.000			
FY 97	LOCKHEED Needham, NH	OPTION	ESC/TV	MAR 97	SEP 97	9	100.00	YES	YES	DEC 96
B. Portable Systems FY 95	UNKNOWN	C/CPTF	ESC/TV	APR 96	OCT 96	25	49.670	YES	NO	
J. PC Flight Planners FY 95	UNKNOWN	FTP	SOFPAR MFS	JUN 96	JUL 96	58	16.379	YES	NO	
D. REMARKS:										

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BUDGET ITEM JUSTIFICATION SHEET		DATE		MARCH 1996				
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE OPERATIONAL FORCE ENHANCEMENTS						
		FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (In Millions \$)		85.936	78.370	75.221	125.524	101.080	110.651	110.585
MISSION AND DESCRIPTION: Provides funding for Classified SOF projects as directed by the Secretary of Defense and/or the Joint Staff. FY 1997 PROGRAM JUSTIFICATION: Specific justification is provided under separate cover.								

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BUDGET ITEM JUSTIFICATION SHEET						DATE	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT						
		FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (In Millions \$)		.018	19.595	7.794	7.595	4.726	14.686	1.986

MISSION AND DESCRIPTION: This program provides for the development and acquisition of Psychological Operations (PSYOP) equipment. The intent of PSYOP is to persuade selected target audiences to support U.S. national interests and counter misinformation directed at U.S. forces. New and emerging national and regional power groupings and religious fanaticism have increased threats of terrorism, insurgency, instability, and subversion. Successful PSYOP operations will result in reduced casualties and actions favorable to the supported host nation and U.S. national objectives.

1. **Special Operations Media System B (SOMS B).** A rapid deployable, C-130 drive on/drive off tactical radio/TV transmission, reception and electronic news gathering system. This system replaces 1950 - 1960s technology and enhances the capability to conduct tactical level PSYOP dissemination in support of regional unified commanders. Reduces airlift requirement for airlift.
2. **Deployable Print Production Center (DPPC).** A rapid deployable, state-of-the-art computerized digital system capable of creating, editing and producing printed PSYOP products in forward locations and remote sites.

FY 1997 PROGRAM JUSTIFICATION: Procures two planned DPPCs.

3. **Family of Loudspeakers (FOL).** The FOL will consist of modular amplifiers and speakers that will provide high quality recorded audio, live dissemination, and acoustic deception capability. FOL will be transported,

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT	MARCH 1996
3. Family of Loudspeakers (FOL). (Cont'd) operated, and mounted in ground vehicles, watercraft, rotary wing aircraft, and dismounted for ground operations (TRIPOD/MANPACK). FOL will replace current AN/UIH-6 (250 watt) Public Address System; AN/UIH-6A (450 watt); AEM-1492D (900 watt); and LSS-40 (AN/PIH-1) portable loudspeakers. FOL will permit the conduct of loudspeaker missions over larger areas than present equipment capability and will provide a greater stand-off distance for U. S. Forces/assets. FY 1997 PROGRAM JUSTIFICATION: Procures initial manpack, vehicle/watercraft mounted, and aircraft mounted systems.		

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BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: March 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2										C. P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT			
LINE ITEM/ FISCAL YEAR		CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL.	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL		
1. SPECIAL OPERATIONS MEDIA SYSTEM - B													
A. Hardware													
FY 96													
2. Deployable Print Production Center (DPPC)													
A. Hardware		UNKNOWN	C/FP	USSOCOM	FEB 97	FEB 98	4	4,898,750	YES	NO			
FY 97		UNKNOWN	C/FP	USSOCOM	NOV 96	APR 97	2	238,000	NO				
D. REMARKS:													

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EXHIBIT P-5A Procurement History and Planning

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