UNITED STATES SPECIAL OPERATIONS COMMAND

JUSTIFICATION OF ESTIMATES

FISCAL YEAR 1995 BUDGET ESTIMATES

PROCUREMENT, DEFENSEWIDE

FEBRUARY 1994

PROCUREMENT DOCUMENTATION FOR FY 1995 PRESIDENT'S BUDGET SUBMISSION

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PROCUREMENT DOCUMENTATION FOR FY 1995 PRESIDENT'S BUDGET SUBMISSION

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

Special Operations Forces

$ in Thousands	
FY 1995 Estimate	518.887
FY 1994 Actual	465.304
FY 1993 Actual	649.704

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, USLANTCOM, 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. MC-130H Combat Talon II (FY 1995 - $29.688 Million) - FY 1995 funds provide for acquisition of field support at Kadena Air Base, Japan; airframe depot support equipment (SE); SE technical orders for the hot mock-up; radar upgrades; functional management support; spares; service report fixes; System Program Office (SPO) overhead; Interim Contractor Support (ICS); aircraft source data; and Extendable Integrated Support Environment (EISE) upgrade.

2. OH-6 Procurement and Modifications (FY 1995 - $7.381 Million) - FY 1995 funds procure and modify five McDonnell-Douglas Helicopter Company aircraft for special operations use. These aircraft (plus the FY 1997 buy of five additional aircraft) will replace the current obsolete fleet of 13 OH-6C and 11 A/MH-6J aircraft which are approaching their 15-year service life. Delivery of these new aircraft will ensure a standard aircraft across the H-6J fleet, commonality between training and mission aircraft, parts authorized stockage (ASL), and prescribed load list (PLL).

3. AC-130U Gunship Acquisition (FY 1995 - $71.102 Million) - FY 1995 funds provide ICS for operational training; modification of technical orders to job guide format; aircraft spares; AP-180 radar upgrade; incorporation of resolution deficiencies identified during operational training and maintenance of avionics/weapons deficiencies software. The primary mission for the AC-130U will be precision fire support for special operations forces and conventional forces, but it will have the flexibility to perform other roles, including escort, surveillance, search and rescue, and armed reconnaissance/interdiction.

4. C-130 Modifications (FY 1995 - $65.661 Million) - FY 1995 funds provide follow-on requirements for previously initiated modifications. Significant new starts efforts include upgrading the APR-46 panoramic receiver on 20 SOF C-130 aircraft; replacing the ALE-40 chaff and flare dispenser system with the ALE-47 on 20 SOF aircraft; installing 4 additional ALE-40 flare dispenser systemms on 13 AC-130U aircraft; integrating several Air Force communications initiatives on 2 MC-130H aircraft; and begin procurement of long-lead items in support of the Directional Infrared Countermeasures (DIRCM) program. These modifications are necessary to enhance survivability in combat environments and accomplish SOF mission objectives while maintaining maximum safety standards for the aircraft and its crews.

5. MH-53 Modifications (FY 1995 - $6.838 Million) - FY 1995 funds accomplish Performance Verification and Validation (PV&V) Engineering Change Orders (ECOs), flight test, test range support, kitproof kit and kitproofing support for Interactive Defensive Avionics/Multi-mission Advanced Tactical Terminal (IDAS/MATT) on two (2) MH-53J aircraft.

6. MH-47/MH-60 Modifications (FY 1995 - $10.666 Million) - FY 1995 funds provide for the initiation of the Combat Mission Simulator update to both simulators which will assure commonality between trainer and aircraft. Also, multi-mode radar (MMR) software will be updated to current Integrated Avionics System (IAS) software version 12. The remaining funds are required to initiate materiel changes to standardize the installed suite of aircraft survivability equipment according to the

engineering changes substantiated by anechoic chamber tests conducted in FY 1993-1994. This modification provides Special Operations Forces (SOF) with the capability to perform low-level flights in adverse weather over an extended range, and for precision navigation through unfamiliar mountainous terrain. When fully modified these aircraft will be designated MH-47E and MH-60K, respectively, and will be equipped with Forward-Looking Infrared Device, MMR, and worldwide communications. The MH-47E will have upgraded engines and both aircraft will include other specialized equipment that will assure successful SOF missions. These missions may encompass penetration of hostile air space to insert/resupply/extract Special Forces personnel, combat counterterrorist activities, as well as other operational missions supported by SOF. Provided in this program is a cockpit integration which will reduce crew workload so that they may effectively use the Mission Equipment Package in the high-stress, extended-range penetration environment. Systems commonality will enhance the capability of the aircraft to effectively conduct global operations, as well as to minimize life-cycle costs.

7. Aircraft Support (FY 1995 - $40.016 Million) - FY 1995 funds provide funds for the procurement of 72 ring laser gyros (2 per aircraft) for the MC-130H and MC-130E aircraft. FY 1995 funds will also procure Weapon System Trainer (WST) and Mission Rehearsal Device (MRD) spares. In addition, this request will provide sufficient dollars to reimburse the stock fund upon delivery of initial spare assets (Defense Management Report Decision (DMRD) 904 (FY 1994) directed the stock funding of initial spares, so procurement dollars can no longer be used to order the item). FY 1995 funds also provide for ICS for aircraft modifications only until other methods (i.e., establishment of a depot, transition to organic, etc.) are made available. Finally, FY 1995 funds communications upgrades for the SOF Command and Control (C2) aircraft that will allow C2 personnel on board the aircraft to interface with other theater staffs during contingency operations.

8. Radio Frequency Mobile Electronic Test Set (RFMETS) (FY 1995 - $23.872 Million) - FY 1995 funds provide development of Test Program Sets (TPSs) for the AC-130U All Light Level TV (ALLTV) and the MC-130H AP-170 radar and completion of the depot Shop Replaceable Units (SRUs) TPS development for the AC-130U and AC-130H begun in FY 1994, and System Program Office (SPO) support. RFMETS is a three part program to provide a SOF-common, mobile, intermediate-level tester for critical avionics of the AC-130H, AC-130U, and MC-130H aircraft. First, the program procures 20 off-the-shelf test sets for SOF maintenance units. Second, the program develops TPSs and ancillary equipment for all line replaceable units (LRUs) in the avionics systems supported by RFMETS. Third, this funding line contains monies for organic depot startup for the three largest systems supported: the MC-130H AP-170 radar, the AC-130U ALLTV, and the AC-130U AP-180 radar.

PROCUREMENT PROGRAM EXECUTIVE SUMMARY

RFMETS has been an Air Force BP-12 funded program through FY 1994, and transitions to MFP-11 funding in FY 1995 for the final TPS depot development.

Shipbuilding

1. Patrol Coastal (PC) (FY 1995 - $12.380 Million) - FY 1995 funds provide for the support of post shakedown availability efforts for PCs 9 - 13, engineering support, and alteration procurement/installation. Tactical communications alteration includes procurement of mini-Demand Assigned Multiple-Access (mini-DAMA) transceivers and tactical data link. The Patrol Coastal will conduct coastal patrols, surveillance, and interdiction operations, and support U.S. Special Operations Naval Special Warfare missions.

2. Submarine Conversion (FY 1995 - $12.288 Million) - FY 1995 funds will be used to complete the ship alteration detailed design, order long-lead time materials, and conduct major modifications required for equipment on SSN hovering and propulsion systems. Two modifications are currently planned. 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 Advanced SEAL Delivery System (ASDS) host submarines.

3. MK 8 MOD 1 SEAL Delivery Vehicle (SDV) (FY 1995 - $11.906 Million) - FY 1995 funds provide for the Service Life Extension Program (SLEP) effort of the MK 8 MOD 0 SDV that will focus on correcting identified and projected sustainability and maintainability problems within selected subsystems. FY 1995 funds will be used to purchase/install such items as Global Positioning System, sonar, secure communications, mission data recorders, direct current (DC) 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.

4. MK V Special Operations Craft (SOC) (FY 1995 - $9.595 Million) - FY 1995 funds provide continued procurement of the MK V SOC systems. FY 1995 is the first year of full rate production. The proposed buy of one detachment (two craft/transporters and equipment) and one detachment purchased in FY 1994 are part of a total program objective of thirteen

detachments (26 craft/18 transporters). The MK V SOC will conduct Medium Range Insertion/extraction (MRI) of special operations forces (SOF). It will have the inherent ability to support limited Coastal Patrol and Interdiction (CP&I) 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.

Ammunition Programs

1. SOF PYRO/DEMO (FY 1995 - $14.029 Million) - FY 1995 funds will provide pyrotechnics and demolition materials, and Activated Metal Decoys (AMD) in support of Special Operations Forces (SOF) which include special ground forces, special boat units, special warfare groups/units, Sea Air, Land (SEAL) teams, special boat squadrons, SEAL delivery vehicles and special aircraft. Funding requested will procure pyrotechnic signals and training devices, demolition devices and accessories, which include grenades, mines, detonators, fuzes and cartridges and provide for gauges, and product improvement. Also procured will be AMD, which are expandable dispensers for use by SOF aircraft, capable of decoying an Infrared (IR) Surface-to-Air Missile (SAM). The AMD enhances the mission capabilities of SOF aircraft which need to survive and operate in the IR SAM environment. Mission success depends on aircraft remaining undetected. The current IR SAM defense using flares increases the visible signature of the aircraft. AMD will replace existing flares and improve the probability of the aircraft remaining undetected. Items procured will be used for training, exercises, inventory and SOF missions as directed.

2. SOF Platform Gun Ammunition (FY 1995 - $38.496 Million) - FY 1995 funds procure AC-130 Gunship ammunition and ship mounted gun ammunition for Special Operations Forces. The cartridges purchased for the AC-130 Gunship in FY 1994 represent a combat munitions mix of 25MM providing light vehicle kill and area coverage kill rounds, and 105MM providing light armor kill and concrete penetration rounds. These cartridges are used in the air-to-ground role by combat aircrews and will be used in training of these aircrews. The ammunition purchased for the Ship Guns represent a mix of 20MM, 40MM, 60MM, and 81MM cartridges and rockets in support of the Naval Component Special Operations Forces which include special boat units, special warfare groups, special warfare units, Sea, Air, Land (SEAL) teams, special boat squadrons and SEAL Delivery Vehicles. Ammunition purchased for Patrol Coastal provides support for 13 patrol craft with the on-board stabilized weapons platform system. This ammunition is used for training, combat exercises, and rescue operations. Ammunition for the AC-130

Gunship is required in support of air base defense, close air support and direct action missions. Ammunition for the Naval Special Warfare Forces is required to support surface, air, ground and underwater requirements.

3. SOF Individual Weapons Ammunition (FY 1995 - $10.188 Million) - FY 1995 funds provide individual weapons ammunition in support of the elite Special Operations Forces training and mission requirements. These forces include rangers, special boat units, special warfare groups, special warfare units, Sea, Air, Land (SEAL) teams, special boat squadrons and SEAL delivery vehicle teams. The ammunition consists of illumination, smoke, target practice, and subcaliber ammunition. Additionally, the FY 1995 funds are required to procure components, load and assemble complete rounds, and conduct acceptance tests. Ammunition supports peacetime expenditures, consisting of resupply reserve quantities; specified combat reserve quantities; specified combat reserve quantities; and inter-theater shipping losses. Funds also provide for production engineering, product improvements, and gauge procurement. The primary mission will be to defeat light armored targets, personnel and fortifications.

Other Procurement

1. Communications Equipment and Electronics (FY 1995 - $15.895 Million) - FY 1995 funds provide for communication systems to support Special Operations Forces (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 technilogically superior to any threat to provide a maximum degree of survivability. Operating independently in denied areas, 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.

2. SOF Intelligence Systems (FY 1995 - $13.619 Million) - FY 1995 funds provide various types of equipment to support Special Operations Forces Intelligence Systems. Major requirements include:

a. Special Operations Command, Research, Analysis and Threat Evaluation System (SOCRATES) - provides a wide range of mission directed automated intelligence and imagery support to HQ USSOCOM and components. Much of the data is acquired from national intelligence assets/data bases and tailored to SOF needs. FY 1995 continues the procurement of workstations,

fileservers, and network upgrades required to implement the DoD Integrated Intelligence System mandated transition to a Unix based, client-server environment.

b. 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.

c. SOF Intelligence Vehicle (SOF IV) - FY 1995 funds continue procurement of the SOF IV systems. SOF IV is a mobile, tactical, all-source intelligence processing and dissemination system.

d. 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. FY 1995 continues the procurement of 25 MATT systems.

3. SOF Small Arms and Weapons (FY 1995 - $8.530 Million) - FY 1995 funds are to procure small arms and weapons in support of Army and Navy components for Special Operations Forces (SOF). A variety of SOF small arms and weapons are procured through this budget line including SOF Foreign Weapons, Naval Small Arms and Weapons, Weapons Support and Equipment, and the SOF Offensive Handgun.

4. Special Warfare Equipment (FY 1995 - $14.987 Million) - FY 1995 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.

5. Miscellaneous Equipment (FY 1995 - $4.153 Million) - FY 1995 funds provide various types of equipment required to support Special Operations Forces (SOF). Major requirements include:

a. Special Operations Joint Operational Stocks (SOJOS): SOJOS is a centrally managed, maintained and stored repository of immediately available and technically available Special Operations peculiar equipment. SOJOS is designed to provide an enhanced operational mission capability to deployed SOF in support of world-wide contingency operations and other directed missions as determined by USSOCOM. Equipment includes: radios, processors, machine guns, and night sights.

b. Other FY 1995 efforts include: Special Tactics Squadron Vehicles (STSV), Active Noise Reduction (ANR), and Security Detection Devices (SDD).

6. Operational Force Enhancements (FY 1995 - $86.761 Million) - FY 1995 funds are required to support Classified Special Operations Forces projects and modifications. Details of these projects are available as required.

7. PSYOP Equipment (FY 1995 - $7.878 Million) - FY 1995 funds will procure the second SOMS B. The second system will provide PSYOP initial operational capability for tactical/commercial radio and television broadcast capability in support of the National Mission. The SOMS B is replacing systems and components of systems that are obsolete, technologically outdated, and unsupportable. SOMS B will result in quicker reaction times, increased system reliability, availability and maintainability, the capability to support the AF COMMANDO SOLO, and the fixed site Media Production Center at Ft. Bragg via satellite and microwave, and PSYOP initial operational capability.

8. SOF Planning and Rehearsal System (SOFPARS) (FY 1995 - $2.958 Million) - FY 1995 funds provide for the procurement of 21 portable systems, logistics support, and hardware upgrades for aviation mission planners. 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.

FY 1995 PROCUREMENT PROGRAM (U)

(Dollars in Millions)

Date: February 1994

LINE NO.	ITEM NOMENCLATURE	FY 1993	FY 1994	FY 1995
AVIATION PROGRAMS				
90	MC-130H COMBAT TALON II	53.506	23.600	29.688
91	OH-6 PROCUREMENT & MODIFICATIONS	0	0	7.381
42	AC-130U GUNSHIP ACQUISITION	1.387	24.789	71.102
43	C-130 MODIFICATIONS	130.013	65.919	65.661
44	HH-53 MODIFICATIONS	12.582	13.725	6.838
45	MH-47/MH-60 MODIFICATIONS	10.582	7.603	10.666
48	AIRCRAFT SUPPORT	117.264	29.227	40.016
47	OTHER AIRCRAFT MODS	2.975	0	0
99	RADIO FREQUENCY MOBILE ELECTRONIC TEST SET	0	0	23.872
SHIPBUILDING				
49	PATROL COASTAL	19.966	28.369	12.380
50	SUBMARINE CONVERSION	0	0.366	12.288
92	MK 8 MOD I SDV MOD	0	0	11.906
93	MK V SPECIAL OPERATIONS CRAFT	0	9.044	9.595
95	ADV SEAL DELIVERY SYSTEM	0	0	0

FY 1995 PROCUREMENT PROGRAM (U)

(Dollars in Millions)

Date: February 1994

LINE NO.	ITEM NOMENCLATURE	FY 1993	FY 1994	FY 1995
AMMUNITION PROGRAMS				
51	SOF PYRO/DEMO	13.181	12.568	14.029
52	SOF PLATFORM GUN AMMUNITION	38.147	23.032	38.496
53	SOF INDIV WEAPONS AMMUNITION	17.353	12.597	10.188
OTHER PROCUREMENT PROGRAMS				
59	COMM EQUIPMENT & ELECTRONICS	58.547	50.185	15.895
60	SOF INTELLIGENCE SYSTEMS	39.796	26.665	13.619
61	SOF SMALL ARMS & WEAPONS	4.634	3.188	8.530
62	SPECIAL WARFARE EQUIPMENT	18.576	17.743	14.987
64	MISCELLANEOUS EQUIPMENT	7.428	4.232	4.153
65	OPERATIONAL FORCE ENHANCEMENTS	103.767	95.593	86.761
66	PSYOP EQUIPMENT	0	6.368	7.878
98	SOF PLANNING & REHEARSAL SYSTEM	0	10.491	2.958
TOTAL PROCUREMENT		649.704	465.304	518.887

EXHIBIT P-1

WEAPON SYSTEM MODIFICATION SUMMARY (U)

(TOA, Dollars in Millions)

Date: February, 1994

SYSTEM/MODIFICATION	FY 1993	FY 1994	FY 1995
C-130 MODIFICATIONS			
FY90 INSTALLS	23.000	0	0
ALQ-172 ELECTRONIC CM JAMMER UPGRADE	39.300	6.592	10.304
CENTER WING REPLACEMENT	45.600	24.488	7.345
UARRSI	3.789	0	0
APR-46 IMPROVEMENTS	0	0	3.897
MC-130H COMMUNICATIONS UPGRADE	0	0	10.202
NAVIGATION UPGRADES, PHASE I	12.118	0	0
NAVIGATION UPGRADES, PHASE II	0	4.838	.200
AN/AAQ-17 INFRARED DETECTION SET UPGRADE	0	0	3.042
DIRCM	0	0	5.101
COMBAT TALON II LIFELINE	0	6.492	4.900
APQ-122 (V) BAND RADAR UPDATE	2.706	21.409	10.470
AAQ-18 REPLACEMENT	0	0	4.126
C-130 DEFENSIVE AVIONICS ENHANCEMENTS	3.500	0	0
ALE-47 CHAFF AND FLARE DISPENSER	0	0	2.394

WEAPON SYSTEM MODIFICATION SUMMARY (U)

(TOA, Dollars in Millions) Date: February, 1994

SYSTEM/MODIFICATION	FY 1993	FY 1994	FY 1995
AIRCRAFT 500 PROGRAMMED DEPOT MAINTENANCE	0	2.100	0
AC-130U LIFELINE	0	0	3.680
TOTAL FOR C-130 MODS	130.013	65.919	65.661
HH-53 MODIFICATIONS			
FY 90 INSTALLS	.326	0	0
SERVICE LIFE EXTENSION PROGRAM (SLEP)	2.136	0	0
INTERACTIVE DEFENSIVE AVIONICS SYSTEM (IDAS)	10.120	10.269	6.838
AN/APQ-158 SUPPORTABILITY UPGRADE	0	3.456	0
TOTAL FOR HH-53 MODS	12.582	13.725	6.838
MH-47E/MH-60K MODIFICATIONS			
MH-47E MODIFICATIONS	5.000	3.801	5.331
H-60 HEELS INSTALLATION	.583	0	0
MH-60K MODIFICATIONS	4.999	3.802	5.335
TOTAL FOR MH-47E/MH-60K MODS	10.582	7.603	10.666

EXHIBIT P-3

WEAPON SYSTEM MODIFICATION SUMMARY (U)

(TOA, Dollars in Millions)

Date: February, 1994

SYSTEM/MODIFICATION	FY 1993	FY 1994	FY 1995
OTHER AIRCRAFT MODIFICATIONS			
C-141 INSTALLS	2.975	0	0
TOTAL FOR OTHER AIRCRAFT MODIFICATIONS	2.975	0	0

EXHIBIT P-3

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BUDGET ITEM JUSTIFICATION SHEET						DATE: February 1994		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE MC-130H COMBAT TALON II			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)		53.506	23.600	29.688	54.315	10.366	8.617	4.364

MISSION AND DESCRIPTION: The Combat Talon II (CT II) is a production program in which a specialized avionics suite is integrated into a C-130 airframe 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 or equipment. This program provides for the acquisition of aircraft and radar depot support equipment, flight test deficiency corrections, and upgrades Terrain Following/Terrain Avoidance Radars to the configuration that is fully compliant with the radar specification.

FY95 PROGRAM JUSTIFICATION: Provides for acquisition of field support at Kadena, airframe depot support equipment (SE), SE technical orders for the hot mock-up, radar upgrades, functional management support, spares, service report fixes, system program office (SPO) overhead, interim contractor support (ICS), aircraft source data, and extendable integrated support environment (EISE) upgrade. The FY95 program differs from the FY94 President's Budget Submission in that funding in FY95 is increased to solve aircraft sustainment and supportability deficiencies. Specifically, FY95 contains funds for completion of the SOF-specific aircraft organic depot, upgrade of the Talon radar to meet reliability specifications, and to fix deficiencies in the aircraft environmental control system.

AIRCRAFT COST ANALYSIS (Dollars in Millions)	A. AIRCRAFT MODEL MC-130H COMBAT TALON II		B. POPULAR NAME COMBAT TALON II		C. MANUFACTURER LOCKHEED/IBM		D. DATE February 1994	
PROGRAM ITEM			FY 93 Unit Cost	QTY Total Cost	FY 94 Unit Cost	QTY Total Cost	FY 95 Unit Cost	QTY Total Cost
RADAR UPGRADE							4.500	4.500
AVIONICS-CFE			40.263	40.263	3.380	3.380	3.000	3.000
NON-RECURRING COSTS			5.303	5.303	5.235	5.235	2.369	2.369
OTHER COSTS			2.607	2.607	3.581	3.581	3.803	3.803
FLYAWAY COSTS			48.173	48.173	12.196	12.196	13.672	13.672
AIRFRAME PGSE								5.623
EXTENDABLE INTEGRATED SUPPORT ENVIRONMENT								1.533
PUBLICATIONS/TECH DATA						0.200		1.500
INTERIM CONTRACTOR SUPPORT						5.704		7.360
INITIAL SPARES						2.500		
MILSTRIP				5.333		3.000		
SUPPORT COST				5.333		11.404		16.016
GROSS P-1 COST				53.506		23.600		29.688
LESS: PRIOR YR ADV. PROC.								
NET P-1 COST				53.506		23.600		29.688

WEAPON SYSTEM COST DATA SHEET
(TOA, Dollars in Thousands)

Weapon System: MC-130H COMBAT TALON II

Date: FEBRUARY 1994

I. Procurement Program: (Quantity)

	OTHER SERVICE		FMS/OTHER		TOTAL
FY 1995					
FY 1994					
FY 1993					
II. Hardware (Unit Cost)	FY 93	DIFF	FY 94	DIFF	FY 95
RADAR UPGRADE			0	4,500	4,500
Reason for Change:					
FY 93-94 No program.					
FY 94-95 Starts radar upgrades to final configuration.					
AVIONICS-CFE	40,263	(36,883)	3380	(380)	3,000
Reason for Change:					
FY 93-94 Completes radar testing for final configuration.					
FY 94-95 Reduced flight test.					
NON-RECURRING COSTS	5,303	(68)	5,235	(2,866)	2,369
Reason for Change:					
FY 93-94 Continues flight test support					
FY 94-95 Completes flight test support; adds Kadena support.					
OTHER COSTS	2,607	(974)	3,581	222	3,803
Reason for Change:					
FY 93-94 Increased level of functional management support and adds SPO overhead.					
FY 94-95 Increased level of SPO overhead.					
III. Procurement Support (Total Cost)					
AIRFRAME PGSE			0	5,623	5,623
Reason for Change:					
FY 94-95 Procurement of airframe depot support equipment (Phase II).					
EXTENDABLE INTEGRATED SUPPORT ENVIRONMENT (EISE)			0	1,533	1,533
Reason for Change:					
FY 94-95 Upgrades EISE to operational flight program (OFP) 31.					

BUDGET ITEM JUSTIFICATION SHEET						DATE: February 1994		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				P-1 ITEM NOMENCLATURE OH-6 PROCUREMENT & MODIFICATIONS				
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY				5		5		
COST (in millions $)				7.381		8.437		

MISSION AND DESCRIPTION: The H-6J is commercially acquired from MDHC and modified for Special Operations use. These aircraft are required to replace the current obsolete fleet (1968/1969) of 13 OH6C aircraft in the Special Operations Aviation Training Company (SOATC) and 11 A/MH6J purchased in 1981/1982 approaching their 15 year Army service life.

FY95 JUSTIFICATION: The SOATC is required to train special operations pilots in navigation skills and provide transition training for newly recruited pilots. The H-6J aircraft's low cost per flying hour ($189 per hour) for navigational skills training provides a large cost savings as compared to doing initial training on MH60 ($1,470 per hour) or MH47 ($2,017 per hour) aircraft. Delivery of these aircraft ensures a standard aircraft across the H-6J fleet and commonality between training and mission aircraft; and parts authorized stockage list (ASL) and prescribed load list (PLL). Parts for the old OH6C are no longer in the Army system and must be obtained through individual contracts with commercial vendors, driving up costs. Overall, this procurement reduces the number of aircraft required in the SOATC from 21 Primary Aircraft Trainers (PAT) consisting of 15 OH6C/3 AH6/3 MH6 to 12 PAT, all MH6/AH6 10 new aircraft and 2 aircraft from existing operational fleet). Increase of ten H-6J aircraft requires corresponding ten percent spares authorization due to high training operational tempo. Funding in FY97 reflects this additional spare component procurement. FY95 program is unchanged from the FY94 President's Budget Submission.

AIRCRAFT COST ANALYSIS (Dollars in Millions)	A. AIRCRAFT MODEL OH-6 PROCUREMENT & MODIFICATIONS		B. POPULAR NAME H-6J		C. MANUFACTURER HUGHES		D. DATE February 1994	
PROGRAM ITEM			FY 93 Unit Cost	QTY Total Cost	FY 94 Unit Cost	QTY Total Cost	FY 95 Unit Cost	QTY 5 Total Cost
AIRFRAMES/CFE							0.900	4.500
AVIONICS-CFE							0.224	1.120
AVIONICS-GFE							0.031	0.155
OTHER GFE							0.073	0.366
OTHER COSTS							0.248	1.240
FLYAWAY COSTS							1.476	7.381
GROSS P-1 COST								7.381
LESS: PRIOR YR ADV. PROC.								
NET P-1 COST								7.381

WEAPON SYSTEM COST DATA SHEET
(TOA, Dollars in Thousands)

Weapon System: OH-6 PROCUREMENT

Date: FEBRUARY 1994

I. Procurement Program: (Quantity)

	SERVICE	OTHER SERVICE	FMS/OTHER	TOTAL
	SOF/5			
FY 1995				
FY 1994				
FY 1993				

II. Hardware (Unit Cost)	FY 93	DIFF	FY 94	DIFF	FY 95
AIRFRAME/CFE			0	900	900
Reason for Change:					
FY 94-95 Procurement starts in FY95.					
AVIONICS-CFE			0	224	224
Reason for Change:					
FY 94-95 Procurement starts in FY95.					
AVIONICS-GFE			0	31	31
Reason for Change:					
FY 94-95 Procurement starts in FY95.					
OTHER GFE			0	73	73
Reason for Change:					
FY 94-95 Procurement starts in FY95.					
OTHER COSTS			0	248	248
Reason for Change:					
FY 94-95 Procurement starts in FY95.					

BUDGET ITEM JUSTIFICATION SHEET						DATE: February 1994		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE AC-130U GUNSHIP ACQUISITION			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)		1.387	24.789	71.102	112.764	58.508	54.265	19.069

MISSION AND DESCRIPTION: The AC-130U will be a new production C-130 airframe which has undergone conversion to a side-firing gunship configuration. It will exhibit improvements in reliability and capability over existing AC-130H gunships. Mission equipment will include armament/automated fire control radar, Forward Looking Infrared (FLIR), all Light Level Television (ALLTV), and an electronic counter measures (ECM) suite. The AC-130U will also have the capability to deploy in a pressurized mode and reconfigure in-flight for firing. The primary mission for the AC-130U will be precision fire support for Special Operations Forces and conventional forces, but it will have the flexibility to perform other roles, including escort, surveillance, search and rescue, and armed reconnaissance/interdiction.

FY95 PROGRAM JUSTIFICATION: Provides for interim contractor support for operational training; additional resources were added to modify technical orders to job guide format; procures aircraft spares; upgrades APQ-180 radar; incorporates resolution deficiencies identified during operational training and maintains avionics/weapons deficiencies software.

AIRCRAFT COST ANALYSIS (Dollars in Millions)	A. AIRCRAFT MODEL AC-130U GUNSHIP ACQUISITION		B. POPULAR NAME AC-130U GUNSHIP		C. MANUFACTURER LOCKHEED		D. DATE February 1994	
PROGRAM ITEM		QTY Total Cost	FY 93 Unit Cost	QTY Total Cost	FY 94 Unit Cost	QTY Total Cost	FY 95 Unit Cost	QTY Total Cost
AVIONICS-GFE					6.723	6.723	3.466	3.466
SERVICE REPORTS/PQDRs							20.145	20.145
OTHER COSTS			0.167	0.167	0.152	0.152		
FLYAWAY COSTS			0.167	0.167	6.875	6.875	23.611	23.611
AVIONICS PGSE						3.094		0.710
PUBLICATIONS/TECH DATA				1.220		1.320		12.809
INTERIM CONTRACTOR SUPPORT						13.500		30.605
INITIAL SPARES								3.367
SUPPORT COST				1.220		17.914		47.491
GROSS P-1 COST				1.387		24.789		71.102
LESS: PRIOR YR ADV. PROC.								
NET P-1 COST				1.387		24.789		71.102

WEAPON SYSTEM COST DATA SHEET
(TOA, Dollars in Thousands)

Weapon System: AC-130U GUNSHIP ACQUISITION

Date: FEBRUARY 1994

I. Procurement Program: (Quantity)

	OTHER SERVICE			FMS/OTHER	TOTAL
FY 1995					
FY 1994					
FY 1993					
II. Hardware (Unit Cost)	FY 93	DIFF	FY 94	DIFF	FY 95
AVIONICS-GFE	0	6,723	6,723	(3,257)	3,466
Reason for Change:					
FY 93-94 Begins procurement for repair and replacement of broken GFE/CFE requisition for ICS.					
FY 94-95 Continues procurement of GFE for ICS and GFE support at reduced level.					
SERVICE REPORTS/PQDRs			0	20,145	20,145
Reason for Change:					
FY 94-95 Begins procurement of priority out-of-scope Service Report fixes identified during operational training to include software maintenance. This requirement was not funded in the FY94 PB.					
OTHER COSTS	167	(15)	152	(152)	0
Reason for Change:					
FY 93-94 Procurement of ammo containers.					
III. Procurement Support (Total Cost)					
AVIONICS PGSE	0	3,094	3,094	(2,384)	710
Reason for Change:					
FY 93-94 Completes procurement of O-level PSE.					
FY 94-95 Procures software support.					
PUBLICATIONS/TECH DATA	1,220	100	1,320	11,489	12,809
Reason for Change:					
FY 93-94 Procures sustaining technical order maintenance at increased level.					
FY 94-95 Continues procurement of T.O. maintenance & printing. Begins procurement of modification of existing TOs to job guide format. This modification will decrease mean time to repair and the requirement for higher skilled technicians					
INTERIM CONTRACTOR SUPPORT	0	13,500	13,500	17,105	30,605
Reason for Change:					
FY 93-94 Begins Interim Contractor Support at a 35 flying hours per month per aircraft baseline.					
FY 94-95 Continues Interim Contractor Support at a 50 flying hours per month per aircraft baseline.					

WEAPON SYSTEM COST DATA SHEET
(TOA, Dollars in Thousands)

Weapon System: AC-130U GUNSHIP ACQUISITION

Date: FEBRUARY 1994

III. PROCUREMENT SUPPORT (Continued)	FY 93	DIFF	FY 94	DIFF	FY 95
INITIAL SPARES			0	3,367	3,367

Reason for Change:

FY 94-95 Initiates procurement of Aircraft Initial Spares (previously displayed in Aircraft Support P-1 Line).

BUDGET ITEM JUSTIFICATION SHEET						DATE: February 1994		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)		130.013	65.919	65.661	83.969	79.590	47.578	112.656

MISSION AND DESCRIPTION: Program provides for numerous modifications to various models of the C-130 aircraft. Program is comprised of modifications generated from mission performance deficiencies, logistics problems and changes in the mission of the C-130 aircraft.

FY 95 PROGRAM JUSTIFICATION: The FY95 program consists of follow-on requirements for previously initiated modifications as well as new start modifications. Significant new start efforts include upgrading the APR-46 panoramic receiver on 20 SOF C-130 aircraft; replacing the ALE-40 chaff and flare dispenser system with the ALE-47 on 20 SOF aircraft; installing 4 additional ALE-40 flare dispenser systems on 13 AC-130U aircraft; integrating several Air Force communications initiatives on 2 MC-130H aircraft; and begin procurement of long lead items in support of the Directional Infrared Countermeasures (DIRCM) program. These modificatons are necessary to enhance survivability in combat environments and accomplish SOF mission objectives while maintaining maximum safety standards for the aircraft and its crews.

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: FY90 INSTALLS

DATE: FEBRUARY 1994

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

DESCRIPTION/JUSTIFICATION:

Congress provided additional $23.0M in FY93 to fund for the installation of kits procured with FY90 and prior funds under the following programs: HC-130P/N SOFI; C-130 NVIS EC-130E WWCTV and Vertical Trail Wire; and LARS.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																		
PROCUREMENT																		
Installation Kits																		
Installation Kit Nonrecurring																		
Equipment																		
Equipment Nonrecurring																		
Engineering Change Orders																		
Data																		
Training Equipment																		
Support Equipment																		
Other																		
Interim Contractor Support																		
Installation of Hardware																		
PYs		23.0																23.0
FY94																		
FY95																		
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost		23.0																23.0
Total Procurement Cost		23.0																23.0

METHOD OF IMPLEMENTATION: DEPOT ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEADTIME: N/A

CONTRACT DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: N/A

DELIVERY DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: N/A

P-1 SHOPPING LIST, ITEM NO. 43

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: ALQ-172 ELECTRONIC COUNTERMEASURE JAMMER UPGRADE

DATE: FEBRUARY 1994

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

DESCRIPTION/JUSTIFICATION:

This program installs the enhanced ALQ-172 Pave Mint system, to include ECP-93, into 9 AC-130H aircraft. ECP-93 incorporates Erasable Electronic Programmable Read Only Memory (EEPROM), gate array technology and memory expansion. This modification will make the ALQ-172 the SOF common RF jamming system. Starting in FY98, program modifies the existing ALQ-172 Electronic Countermeasure (ECM) systems with ECP-93 to include hooks for future growth to the Low Band Jammer. This is a jointly funded and managed USSOCOM/Air Force program. FY95 funds for the first production install.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

PDR: Sep 94; CDR: Nov 94; 1st trial install: 1st Qtr FY95; 1st production install: 4thQtr FY96; Aircraft Breakout: 0 ANG; 0 AFRES; 9 Active (Pave Mint); 60 Active (ECP-93)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E				4.7		2.4		1.3										8.4
PROCUREMENT																		
Installation Kits (ALQ-172)					1	1.7	4	7.0	3	5.3							8	14.0
Installation Kits (ECP-93)											14		37				51	
Installation Kits Nonrecurr (ALQ-172)			1	5.1		4.4												9.5
Equipment (ALQ-172)						1.5		6.4		5.1								13.0
Equipment (ECP-93)												4.2		11.1				15.3
Installed Equip Nonrecurr (ALQ-172)	19.7																	19.7
Data	6.8			1.0		4.0												11.8
Mod of Spares (ALQ-172)						2.3		2.9				2.4		2.1				9.7
Support Equipment	12.8					5.2												18.0
Engineering Change Orders				0.5		0.2		0.2										0.9
Training Equipment						1.0		0.2										1.2
Less Air Force Funding						-10.0		-9.7		-8.9		-9.0		-9.1				-46.7
Installation of Hardware																		
PYs																		
FY94 - 1st Trial Install					1	*											1	
FY95 - 1 ALQ-172 Kit							1	1.8									1	1.8
FY96 - 4 ALQ-172 Kits									4	7.4							4	7.4
FY97 - 3 ALQ-172 Kits											3	5.7					3	5.7
FY98 - 14 ECP Kits													14				14	
FY99 - 37 ECP Kits															37		37	
To Complete																		
Total Installation Cost					1		1	1.8	4	7.4	3	5.7	14		37		60	14.9
* Installation costs included under NRE.																		
Total Procurement Cost	39.3			6.6		10.3		8.8		8.9		3.3		4.1				81.3

METHOD OF IMPLEMENTATION: DEPOT (PAVE MINT); ORGANIC (ECP-93) ADMINISTRATIVE LEADTIME: 9 MONTHS PRODUCTION LEADTIME: 9 MONTHS

CONTRACT DATE: Current Year: 3/94 Budget Year 1: 2/95 Budget Year 2: 2/96

DELIVERY DATE: Current Year: 1/95 Budget Year 1: 4/96 Budget Year 2: 4/96

P-1 SHOPPING LIST, ITEM NO. 43

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: ALQ-172 ELECTRONIC CONUTERMEASURE JAMMER UPGRADE

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY93 1	FY93 2	FY93 3	FY93 4	FY94 1	FY94 2	FY94 3	FY94 4	FY95 1	FY95 2	FY95 3	FY95 4	FY96 1	FY96 2	FY96 3	FY96 4	FY97 1	FY97 2	FY97 3	FY97 4	FY98 1	FY98 2	FY98 3	FY98 4	FY99 1	FY99 2	FY99 3	FY99 4	TO COMP	TOT PGM
FY93																														
FY94									1																					1
FY95																1														1
FY96																	1	1	1	1										4
FY97																					1	1	1							3
FY98																														
FY99																														

QUARTERS CUTPUT	FY93 1	FY93 2	FY93 3	FY93 4	FY94 1	FY94 2	FY94 3	FY94 4	FY95 1	FY95 2	FY95 3	FY95 4	FY96 1	FY96 2	FY96 3	FY96 4	FY97 1	FY97 2	FY97 3	FY97 4	FY98 1	FY98 2	FY98 3	FY98 4	FY99 1	FY99 2	FY99 3	FY99 4	TO COMP	TOT PGM
FY93																														
FY94											1																			1
FY95																		1												1
FY96																			1	1	1	1								4
FY97																							1	1	1					3
FY98																														
FY99																														

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: CENTER WING REPLACEMENT

DATE: FEBRUARY 1994

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

DESCRIPTION/JUSTIFICATION:

Replaces center wing on the MC-130E Combat Talon I, AC-130H Gunships and HC-130P/N tanker aircraft. Cracks, which substantiate the requirement to replace the center wings, 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 SOF fleet. This modification will extend service life of aircraft past the year 2010. FY95 funds for a cost overrun on basic contract that must be paid no later than 90 days after delivery of last asset on that contract.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Trial install and kit proof complete. First 38 kits plus trial install procured with prior year funds. (Aircraft Breakout: 0 ANG; 0 AFRES; 51 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E N/A																		
PROCUREMENT																		
Installation Kits	39	65.3	12	24.5													51	89.8
Installation Kit Nonrecurring		14.0																14.0
Equipment																		
Equipment Nonrecurring																		
Engineering Change Orders																		
Data		1.3																1.3
Training Equipment																		
Support Equipment		3.9																3.9
Other						7.3												7.3
Interim Contractor Support																		
Installation of Hardware																		
PYs - 39 Center Wings	12	42.9	9		11		3		4								39	42.9
FY94 - 12 Center Wings							7	8.6	1	2.0	4	4.6					12	15.2
FY95																		
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost	12	42.9	9		11		10	8.6	5	2.0	4	4.6					51	58.1
Total Procurement Cost		127.4		24.5		7.3		8.6		2.0		4.6						174.4

METHOD OF IMPLEMENTATION: DEPOT AND CONTRACTOR FACILITY ADMINISTRATIVE LEADTIME: 24 MONTHS PRODUCTION LEADTIME: 24 MONTHS

CONTRACT DATE: Current Year: 2/94 Budget Year 1: 1/95 Budget Year 2: VARIOUS

DELIVERY DATE: Current Year: 1/96 Budget Year 1: N/A Budget Year 2: VARIOUS

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: CENTER WING REPLACEMENT

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY93 1	FY93 2	FY93 3	FY93 4	FY94 1	FY94 2	FY94 3	FY94 4	FY95 1	FY95 2	FY95 3	FY95 4	FY96 1	FY96 2	FY96 3	FY96 4	FY97 1	FY97 2	FY97 3	FY97 4	FY98 1	FY98 2	FY98 3	FY98 4	FY99 1	FY99 2	FY99 3	FY99 4	TO COMP	TOT PGM
FY93										2	3	4	3						2	2										16
FY94													1	2	1	3	1					1	2	1						12
FY95																														
FY96																														
FY97																														
FY98																														
FY99																														

QUARTERS OUTPUT	FY93 1	FY93 2	FY93 3	FY93 4	FY94 1	FY94 2	FY94 3	FY94 4	FY95 1	FY95 2	FY95 3	FY95 4	FY96 1	FY96 2	FY96 3	FY96 4	FY97 1	FY97 2	FY97 3	FY97 4	FY98 1	FY98 2	FY98 3	FY98 4	FY99 1	FY99 2	FY99 3	FY99 4	TO COMP	TOT PGM
FY93											2	3	4	3						2	2									16
FY94														1	2	1	3	1					1	2	1						12
FY95																														
FY96																														
FY97																														
FY98																														
FY99																														

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: UARRSI

DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: HC-130P/N

DESCRIPTION/JUSTIFICATION:

Modifies 11 SOF HC-130P/N tanker aircraft with the Universal Air Refueling Receptable Slipway Installation (UARRSI). Modification provides inflight air refueling receiver capability and enhances support for long-range deployments of SOF helicopters. The UARRSI acts as a force multiplier by reducing the number of tankers required for helicopter refueling by up to 50 percent during long-range deployments/employment missions. This reduces the impact of a shortage of tankers caused by the rapid growth of air refuelable helicopters. UARRSI will also reduce the number of aircraft operating at maximum gross weight, thus reducing airframe stress.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Development, trial mod install and kit proof complete. First 11 kits procured prior to FY94. (Aircraft Breakout: 0 ANG; 0 AFRES; 11 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E N/A																		
PROCUREMENT																		
Installation Kits	11	3.9															11	3.9
Installation Kit Nonrecurring																		
Equipment		1.3																1.3
Equipment Nonrecurring																		
Engineering Change Orders																		
Data		0.2																0.2
Training Equipment																		
Support Equipment																		
Other																		
Interim Contractor Support																		
Installation of Hardware																		
PYs - 11 UARRSI Kits	6	7.5	4		1												11	7.5
FY94																		
FY95																		
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost	6	7.5	4		1												11	7.5
Total Procurement Cost		12.9																12.9

METHOD OF IMPLEMENTATION: DEPOT ADMINISTRATIVE LEADTIME: 12 MONTHS PRODUCTION LEADTIME: 12 MONTHS

CONTRACT DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: N/A

DELIVERY DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: N/A

P-1 SHOPPING LIST, ITEM NO. 43

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: UARRSI

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY93 1	FY93 2	FY93 3	FY93 4	FY94 1	FY94 2	FY94 3	FY94 4	FY95 1	FY95 2	FY95 3	FY95 4	FY96 1	FY96 2	FY96 3	FY96 4	FY97 1	FY97 2	FY97 3	FY97 4	FY98 1	FY98 2	FY98 3	FY98 4	FY99 1	FY99 2	FY99 3	FY99 4	TO COMP	TOT PGM
FY93						1	1	1	1																					4
FY94																														
FY95																														
FY96																														
FY97																														
FY98																														
FY99																														

QUARTERS OUTPUT	FY93 1	FY93 2	FY93 3	FY93 4	FY94 1	FY94 2	FY94 3	FY94 4	FY95 1	FY95 2	FY95 3	FY95 4	FY96 1	FY96 2	FY96 3	FY96 4	FY97 1	FY97 2	FY97 3	FY97 4	FY98 1	FY98 2	FY98 3	FY98 4	FY99 1	FY99 2	FY99 3	FY99 4	TO COMP	TOT PGM
FY93								2		2																				4
FY94																														
FY95																														
FY96																														
FY97																														
FY98																														
FY99																														

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: APR-46 IMPROVEMENTS

DATE: FEBRUARY 1994

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

DESCRIPTION/JUSTIFICATION:

The APR-46 enables the Electronic Warfare Officer (EWO) to view the entire threat arena and detect threats thereby reducing the amount of time it takes to detect and define a potential threat situation. The modification will be accomplished at the contractor's facility. No group A is required since modified group B will be form, fit and function to existing aircraft. FY95 funds for the award of basic production contract.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

System Design Review: Oct 93; Critical Design Review: Jan 94; Prototype delivery: Oct 94; Flight Test completion date: Feb 95. (Aircraft Breakout: 0 ANG; 0 AFRES; 60 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E		0.8	1	0.3													1	1.1
PROCUREMENT																		
Installation Kits																		
Installation Kit Nonrecurring																		
Equipment					19	1.3	30	2.2	10	0.8							59	4.3
Equipment Nonrecurring																		
Engineering Change Orders																		
Data						0.6		0.8		0.3								1.7
Training Equipment																		
Support Equipment																		
Mod of Spares						2.0		3.4		0.1								5.5
Interim Contractor Support																		
Installation of Hardware																		
PYs																		
FY94																		
FY95					ORGANIC - NO INSTALLATION COSTS													
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost																		
Total Procurement Cost						3.9		6.4		1.2								11.5

METHOD OF IMPLEMENTATION: ORGANIC (NO SCHEDULE REQ'D) ADMINISTRATIVE LEADTIME: 5 MONTHS PRODUCTION LEADTIME: 5 MONTHS

CONTRACT DATE: Current Year: 2/94 Budget Year 1: 3/95 Budget Year 2: 2/96

DELIVERY DATE: Current Year: 1/95 Budget Year 1: 1/96 Budget Year 2: 4/96

P-1 SHOPPING LIST, ITEM NO. 43

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: MC-130H COMMUNICATIONS UPGRADE

DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: MC-130H

DESCRIPTION/JUSTIFICATION:

This modification funds the integration of the following Air Force communications initiatives into the MC-130H: Single Channel Ground-to Air Radio System (SINCGARS); Narrow Band SATCOM; and Automatic Communications Processor (ACP). The Group B will be provided as GFE to the program from these initiatives. FY95 dollars will fund the nonrecurring engineering (NRE) for the integration of the Group B and upfront procurement of two shipsets for the trial install and kit proof.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Preliminary Design Review (PDR): May 95. Critical Design Review (CDR): Nov 95; Trial Install: 1st QTR FY96; Flight Test: Jan 96; Kit Proof: 3rd QTR FY96; 1st Production Install: 4th QTR FY96. (Aircraft Breakout: 0 ANG; 0 AFRES; 24 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E N/A																		
PROCUREMENT																		
Installation Kits							6	1.4	16	4.0							22	5.4
Installation Kit Nonrecurring					(2)	9.1		2.2									(2)	11.3
Equipment						1.1												1.1
Equipment Nonrecurring																		
Engineering Change Orders																		
Data								1.0										1.0
Training Equipment																		
Support Equipment								0.1										0.1
Other																		
Interim Contractor Support																		
Installation of Hardware																		
PYs																		
FY94																		
FY95 - 1st Trial Install & Kit Proof							2	*									2	
FY96 - 6 COMM Kits							6	0.4									6	0.4
FY97 - 16 Comm Kits									16	1.2							16	1.2
FY98																		
FY99																		
To Complete																		
Total Installation Cost							8	0.4	16	1.2							24	1.6
* Installation costs included under NRE.																		
Total Procurement Cost						10.2		5.1		5.2								20.5

METHOD OF IMPLEMENTATION: *DEPOT* *ADMINISTRATIVE LEADTIME* *3 MONTHS* PRODUCTION LEADTIME: 3 MONTHS

CONTRACT DATE: Current Year: N/A Budget Year 1: 2/95 Budget Year 2: 3/96

DELIVERY DATE: Current Year: N/A Budget Year 1: 1/96 Budget Year 2: 4/96

P-1 SHOPPING LIST, ITEM NO. 43

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MC-130H COMMUNICATIONS UPGRADE

INSTALLATION SCHEDULE:

QUARTERS INPUT

	FY93				FY94				FY95				FY96				FY97				FY98				FY99				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY93																														
FY94																														
FY95													1		1															2
FY96																6														6
FY97																	6	6	4											16
FY98																														
FY99																														

QUARTERS OUTPUT

	FY93				FY94				FY95				FY96				FY97				FY98				FY99				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY93																														
FY94																														
FY95														1	1															2
FY96																6														6
FY97																	6	6	4											16
FY98																														
FY99																														

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: NAVIGATION UPGRADES, PHASE I

DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: MC-130H

DESCRIPTION/JUSTIFICATION:

The MC-130H Navigation Upgrade is the second step in a two step effort to develop integrated Global Positioning System (GPS) with air-align capability. Program provides for the following: Integrated GPS with Motion Alignment Capability; Ring Laser Gyro INU compatibility; High Altitude Release Point capability; and an upgraded AP-102A Mission Computer.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Preliminary Design Review (PDR): Jun 93; Critical Design Review (CDR): Nov 93; Trial Install of 1st Prototype: 3rd QTR FY94. (Aircraft Breakout: 0 ANG; 0 AFRES; 24 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E N/A																		
PROCUREMENT																		
Installation Kits	24	1.7															24	1.7
Installation Kit Nonrecurring		9.4																9.4
Equipment																		
Equipment Nonrecurring																		
Engineering Change Orders																		
Data		0.1																0.1
Training Equipment		2.8																2.8
Support Equipment																		
Software		2.0																2.0
Interim Contractor Support																		
Installation of Hardware																		
PYs - 24 NAV UPGRADE KITS		0.6	1	*	23												24	0.6
FY94																		
FY95																		
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost		0.6	1		23												24	0.6
Total Procurement Cost		16.6																16.6

* First trial install installation cost funded under NRE.

METHOD OF IMPLEMENTATION: CONTRACTOR FIELD TEAM ADMINISTRATIVE LEADTIME: 24 MONTHS PRODUCTION LEADTIME: 24 MONTHS

CONTRACT DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: N/A

DELIVERY DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: N/A

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: NAVIGATION UPGRADES, PHASE I

INSTALLATION SCHEDULE:

QUARTERS INPUT

	FY93 1	2	3	4	FY94 1	2	3	4	FY95 1	2	3	4	FY96 1	2	3	4	FY97 1	2	3	4	FY98 1	2	3	4	FY99 1	2	3	4	TO COMP	TOT PGM
FY93							1			23																				24
FY94																														
FY95																														
FY96																														
FY97																														
FY98																														
FY99																														

QUARTERS OUTPUT

	FY93 1	2	3	4	FY94 1	2	3	4	FY95 1	2	3	4	FY96 1	2	3	4	FY97 1	2	3	4	FY98 1	2	3	4	FY99 1	2	3	4	TO COMP	TOT PGM
FY93							1			23																				24
FY94																														
FY95																														
FY96																														
FY97																														
FY98																														
FY99																														

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: NAVIGATION UPGRADES, PHASE II

DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: MC-130H

DESCRIPTION/JUSTIFICATION:

Equips 24 Combat Talon II aircraft with an improved Inertial Navigation Unit (INU) battery and installs 3.5" data disk drives. These improvements provide for software development, integration, and installation efficiencies. Contractor (IBM) will build and install kits. Therefore, installation costs will be funded under basic contract and not at time of aircraft induction.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Trial Install of 1st Prototype: 2nd QTR FY95. (Aircraft Breakout: 0 ANG; 0 AFRES; 24 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E N/A																		
PROCUREMENT																		
Installation Kits			23	0.5													23	0.5
Installation Kit Nonrecurring																		
Equipment				3.0														3.0
Equipment Nonrecurring			(1)	0.5														0.5
Engineering Change Orders																		
Data						0.2												0.2
Training Equipment																		
Support Equipment																		
Other																		
Interim Contractor Support																		
Installation of Hardware																		
PYs																		
FY94 - 24 NAV II KITS				0.8	7		17										24	0.8
FY95																		
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost				0.8	7		17										24	0.8
Total Procurement Cost				4.8		0.2												5.0

METHOD OF IMPLEMENTATION: CONTRACTOR ADMINISTRATIVE LEADTIME: 6 MONTHS PRODUCTION LEADTIME: 6 MONTHS

CONTRACT DATE: Current Year: 4/94 Budget Year 1: N/A Budget Year 2: N/A

DELIVERY DATE: Current Year: 2/95 Budget Year 1: N/A Budget Year 2: N/A

P-1 SHOPPING LIST, ITEM NO. 43

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: NAVIGATION UPGRADES, PHASE II

INSTALLATION SCHEDULE:

QUARTERS INPUT

	FY93				FY94				FY95				FY96				FY97				FY98				FY99				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY93																														
FY94										1	3	3																		7
FY95													4	4	4	5														17
FY96																														
FY97																														
FY98																														
FY99																														

QUARTERS OUTPUT

	FY93				FY94				FY95				FY96				FY97				FY98				FY99				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY93																														
FY94										1	3	3																		7
FY95													4	4	4	5														17
FY96																														
FY97																														
FY98																														
FY99																														

INDIVIDUAL MODIFICATION

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

DATE: FEBRUARY 1994

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

DESCRIPTION/JUSTIFICATION:

Program modifies the optics on the AN/AAQ-17 Infrared Detection Set (IDS) currently installed on 9 AC-130H and 13 AC-130U gunship aircraft. By taking advantage of new 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. The modified AN/AAQ-17 will be form, fit and function to the current system. FY95 funds for non-recurring engineering associated with designing the enhanced AAQ-17 and the first trial install.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Trial Install: 3rd QTR FY96; (Aircraft Breakout: 0 ANG; 0 AFRES; 22 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E						5.0												5.0
PROCUREMENT																		
Installation Kits							21	10.0									21	10.0
Installation Kit Nonrecurring																		
Equipment																		
Equipment Nonrecurring					(1)	3.0												3.0
Engineering Change Orders										0.5								0.5
Data								1.8		3.0								4.8
Training Equipment																		
Support Equipment								4.1										4.1
Other																		
Interim Contractor Support																		
Installation of Hardware	ORGANIC - NO INSTALLATION COSTS																	
PYs																		
FY94																		
FY95																		
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost																		
Total Procurement Cost						3.0		15.9		3.5								22.4

METHOD OF IMPLEMENTATION: ORGANIC (NO INSTALLATION SCHEDULE REQ'D) ADMINISTRATIVE LEADTIME: 12 MONTHS PRODUCTION LEADTIME: 12 MONTHS

CONTRACT DATE: Current Year: N/A Budget Year 1: 2/95 Budget Year 2: 3/96

DELIVERY DATE: Current Year: N/A Budget Year 1: 3/96 Budget Year 2: 3/97

P-1 SHOPPING LIST, ITEM NO. 43

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: DIRECTIONAL INFRARED COUNTERMEASURES SYSTEM

DATE: FEBRUARY 1994

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

DESCRIPTION/JUSTIFICATION:

Provides 60 SOF C-130 aircraft with a Directional Infrared Countermeasures (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 States/United Kingdom cooperative development/production effort. FY95 funding supports funding lead times required for tooling and production start-up.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Dem/Val Phase complete. Competitive down-select of Dem/Val contractors for an Engineering and Manufacturing Development (EMD) award in FY94.
(Aircraft Breakout: 0 ANG; 0 AFRES; 60 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E		6.8		11.9		23.6		6.4		2.7		2.2		2.3		2.0		57.9
PROCUREMENT																		
Installation Kits							12	3.6	16	7.5	8	8.9	24	28.0			60	48.0
Installation Kit Nonrecurring																		
Equipment								12.9		17.5		8.9		28.0				67.3
Equipment Nonrecurring						5.1												5.1
Engineering Change Orders								1.4		1.7		1.0		1.4				5.5
Data								1.3		1.5		1.6		1.1				5.5
Training Equipment																		
Support Equipment								4.0		3.4		1.5		7.4				16.3
Mod of Spares										5.0				12.0				17.0
Interim Contractor Support																		
Installation of Hardware																		
PYs																		
FY94																		
FY95																		
FY96 - 12 DIRCM Kits							6	0.6	6	0.6							12	1.2
FY97 - 16 DIRCM Kits									8	0.9	8	0.9					16	1.8
FY98 - 8 DIRCM Kits											4	0.4	4	0.5			8	0.9
FY99 - 24 DIRCM Kits													12	1.3	12	1.4	24	2.7
To Complete																		
Total Installation Cost							6	0.6	14	1.5	12	1.3	16	1.8	12	1.4	60	6.6
Total Procurement Cost						5.1		23.8		38.1		23.2		79.7		1.4		171.3

METHOD OF IMPLEMENTATION: CONTRACTOR FIELD TEAM ADMINISTRATIVE LEADTIME: 4 MONTHS PRODUCTION LEADTIME: 4 MONTHS

CONTRACT DATE: Current Year: 4/94 Budget Year 1: 4/95 Budget Year 2: 2/96

DELIVERY DATE: Current Year: 4/95 Budget Year 1: N/A Budget Year 2: 3/96

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: DIRECTIONAL INFRARED COUNTERMEASURES SYSTEM (DIRCM)

INSTALLATION SCHEDULE:

QUARTERS INPUT

	FY93				FY94				FY95				FY96				FY97				FY98				FY99				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY93																														
FY94																														
FY95																														
FY96															3	3	3	3												12
FY97																			4	4	4	4								16
FY98																							2	2	2	2				8
FY99																											6	6	12	24

QUARTERS OUTPUT

	FY93				FY94				FY95				FY96				FY97				FY98				FY99				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY93																														
FY94																														
FY95																														
FY96															3	3	3	3												12
FY97																			4	4	4	4								16
FY98																							2	2	2	2				8
FY99																											6	6	12	24

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: COMBAT TALON II LIFELINE

DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: MC-130H

DESCRIPTION/JUSTIFICATION:

Modifies 20 MC-130H aircraft with 6 additional ALE-40 chaff/flare dispenser systems and updates 4 MC-130H aircraft located at Alconbury to same configuration. This modification will enhance the MC-130H's self protection capability against infrared threats. Same contractor will build and install kits. Therefore, installation costs will be funded under contract option and not at time of aircraft induction.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Configuration Control Board (CCB): Dec 93; Trial Install of Prototype: 2nd QTR FY95; Kit Proof: 3rd QTR FY95; Engineering Design Review: Oct 94; Technical Interchange Meeting: Jan 95. (Aircraft Breakout: 0 ANG, 0 AFRES, 24 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E N/A																		
PROCUREMENT																		
Installation Kits			14	3.1	9	2.0											23	5.1
Installation Kit Nonrecurring			(1)	1.4														1.4
Equipment				0.8		0.6												1.4
Equipment Nonrecurring																		
Engineering Change Orders																		
Data				1.2		0.4												1.6
Training Equipment																		
Support Equipment																		
Other																		
Interim Contractor Support																		
Installation of Hardware																		
PYs																	15	1.9
FY94 - 15 Lifeline Kits					2	1.9	13										9	
FY95 - 9 Lifeline Kits							9											
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost					2	1.9	22										24	1.9
Total Procurement Cost				6.5		4.9												11.4

METHOD OF IMPLEMENTATION: CONTRACTOR FIELD TEAM ADMINISTRATIVE LEADTIME 6 MONTHS PRODUCTION LEADTIME 6 MONTHS

CONTRACT DATE: Current Year: 3/94 Budget Year 1: 3/95 Budget Year 2: N/A

DELIVERY DATE: Current Year: 2/95 Budget Year 1: 2/96 Budget Year 2: N/A

P 1 SHOPPING LIST, ITEM NO. 43

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: COMBAT TALON II LIFELINE

INSTALLATION SCHEDULE:

QUARTERS INPUT

	FY93				FY94				FY95				FY96				FY97				FY98				FY99				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY93																														
FY94										1	1		8	5																15
FY95														7	2															9
FY96																														
FY97																														
FY98																														
FY99																														

QUARTERS OUTPUT

	FY93				FY94				FY95				FY96				FY97				FY98				FY99				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY93																														
FY94										1	1		8	5																15
FY95														7	2															9
FY96																														
FY97																														
FY98																														
FY99																														

P-1 SHOPPING LIST, ITEM NO. 43

INDIVIDUAL MODIFICATION

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

DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: MC-130E

DESCRIPTION/JUSTIFICATION:

The current APQ-122(V)-8 X band terrain following/terrain avoidance redar has a low reliability (24 hours MTBF). The lack of spares and repairable assemblies has complicated the management of this system. This upgrade will significantly increase the reliability and maintainability of the APQ 122. FY95 funds will procure the final four kits and fund the installation of 13 production kits.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Preliminary Design Review: Sep 93; Critical Design Review: Jan 94; 1st Trial Install: Mar 94; 1st Production Install: Oct 94. (Aircraft Breakout: 0 ANG; 0 AFRES; 14 Active).

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E N/A																		
PROCUREMENT																		
Installation Kits			9	5.5	4	2.7											13	8.2
Installation Kit Nonrecurring	(1)	2.5																2.5
Equipment				12.5		6.3												18.8
Equipment Nonrecurring	(1)	7.5																7.5
Engineering Change Orders		2.0																2.0
Data				0.5		0.3												0.8
Training Equipment				2.4														2.4
Support Equipment				0.5														0.5
Other																		
Interim Contractor Support																		
Installation of Hardware																		
PYs - 1st Trial Install			1	*													1	
FY94 - 9 APQ-122 Kits					9	0.8											9	0.8
FY95 - 4 APQ-122 Kits					4	0.4											4	0.4
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost			1		13	1.2											14	1.2
* Installation cost funded under NRE.																		
Total Procurement Cost		12.0		21.4		10.5												43.9

METHOD OF IMPLEMENTATION: DEPOT (9), CFT (4) ADMINISTRATIVE LEADTIME: 9 MONTHS PRODUCTION LEADTIME: 6 MONTHS

CONTRACT DATE: Current Year: 2/94 Budget Year 1: 1/95 Budget Year 2 N/A

DELIVERY DATE: Current Year: 1/95 Budget Year 1: 3/95 Budget Year 2 N/A

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: APQ-122(V) Band Radar Update

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY93 1	2	3	4	FY94 1	2	3	4	FY95 1	2	3	4	FY96 1	2	3	4	FY97 1	2	3	4	FY98 1	2	3	4	FY99 1	2	3	4	TO COMP	TOT PGM
FY93						1																								1
FY94									2	2	2	3																		9
FY95												4																		4
FY96																														
FY97																														
FY98																														
FY99																														

QUARTERS OUTPUT	FY93 1	2	3	4	FY94 1	2	3	4	FY95 1	2	3	4	FY96 1	2	3	4	FY97 1	2	3	4	FY98 1	2	3	4	FY99 1	2	3	4	TO COMP	TOT PGM
FY93						1																								1
FY94									2	2	2	3																		9
FY95												4																		4
FY96																														
FY97																														
FY98																														
FY99																														

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AAQ-18 REPLACEMENT

DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: MC-130E

DESCRIPTION/JUSTIFICATION:

Modification will replace the currently installed AAQ-18 with a data bus compatible Infrared Detection Set (IDS) that has expanded wide field of view allowing for enhanced navigation. This modification requires extensive Group A changes and integration as the currently installed AAQ-18 is not an integrated system and the IDS will not be form, fit and function to the current system. FY95 funds for the nonrecurring engineering required for the Group A and Group B.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Trial Install: 4th QTR FY95; 1st Production Install: 2nd QTR FY96. (Aircraft Breakout: 0 ANG; 0 AFRES; 14 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E								2.0										2.0
PROCUREMENT																		
Installation Kits							13	2.0									13	2.0
Installation Kit Nonrecurring					(1)	3.6												3.6
Equipment								1.9										1.9
Equipment Nonrecurring					(1)	0.5												0.5
Engineering Change Orders										0.4								0.4
Data								0.6										0.6
Training Equipment																		
Support Equipment										0.1								0.1
Mod of Spares										0.4								0.4
Interim Contractor Support																		
Installation of Hardware																		
PYs																		
FY94																		
FY95 - 1st Trial Install					1	*											1	
FY96 - 13 AAQ-18 Kits							6	0.6	7	0.8							13	1.4
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost					1		6	0.6	7	0.8							14	1.4
* Installation costs included in NRE.																		
Total Procurement Cost						4.1		5.1		1.7								10.9

METHOD OF IMPLEMENTATION: DEPOT ADMINISTRATIVE LEADTIME: 3 MONTHS PRODUCTION LEADTIME: 3 MONTHS

CONTRACT DATE: Current Year: N/A Budget Year 1: 2/95 Budget Year 2: 1/96

DELIVERY DATE: Current Year: N/A Budget Year 1: 4/95 Budget Year 2: 2/96

P-1 SHOPPING LIST, ITEM NO. 43

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: AAQ-18 REPLACEMENT

INSTALLATION SCHEDULE:

QUARTERS INPUT

	FY93				FY94				FY95				FY96				FY97				FY98				FY99				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY93																														
FY94																														
FY95												1																		1
FY96														2	2	2	3	3	1											13
FY97																														
FY98																														
FY99																														

QUARTERS OUTPUT

	FY93				FY94				FY95				FY96				FY97				FY98				FY99				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY93																														
FY94																														
FY95													1																	1
FY96														2	2	2	3	3	1											13
FY97																														
FY98																														
FY99																														

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: C-130 DEFENSIVE AVIONICS ENHANCEMENTS

DATE: FEBRUARY 1994

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

DESCRIPTION/JUSTIFICATION:

FY93 funds a Productivity, Reliability, and Maintainability (PRAM) update of the QRC 84-02A Infrared Countermeasure (IECM) set designed to protect aircrafat from attack by IR guided missiles. A QRC 84-02A system, or shipset, is composed of four line replacable units (LRU's) (i.e. one control indicator unit, one synchronizer unit, and two IR transmitter Pods). This modification will improve the reliability of the QRC 84-02A IRCM set by replacing the Darlington translators used in the transmitter pod switch assemblies with more reliable translator devices. Program funds for the modification of 166 transmitters (2 per aircraft) to include 46 spares on 60 SOF C-130 aircraft. This modification will be accomplished at the Contractor's facility. No Group A will be required since modified Group B will be form, fit and function to existing aircraft.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Aircraft Breakout: 0 ANG; 0 AFRES; 60 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																		
PROCUREMENT																		
Installation Kits	60																60	
Installation Kit Nonrecurring																		
Equipment		2.6																2.6
Equipment Nonrecurring																		
Engineering Change Orders																		
Data		0.3																0.3
Training Equipment																		
Support Equipment																		
Mod of Spares		0.6																0.6
Interim Contractor Support																		
Installation of Hardware																		
PYs - 60 QRC 84-02A's																		
FY94																		
FY95																		
FY96							ORGANIC - NO INSTALLATION COSTS											
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost																		
Total Procurement Cost		3.5																3.5

METHOD OF IMPLEMENTATION: ORGANIC (NO INSTALLATION SCHEDULE REQ'D) ADMINISTRATIVE LEADTIME: 9 MONTHS PRODUCTION LEADTIME: 9 MONTHS

CONTRACT DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: N/A

DELIVERY DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: N/A

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: ALE-47 CHAFF AND FLARE DISPENSER

DATE: FEBRUARY 1994

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

DESCRIPTION/JUSTIFICATION:

Upgrades the ALE-40 systems on the above aircraft with an ALE-47 cockpit control unit (CCU), programmer, safety switches, and dispensers. Combining the ALE-47 sequencer switches with the ALE-47 CCU will enable the system to fire RR-180 double chaff. FY95 dollars support lot III production of the ALE-47 system for the AC-130H and MC-130E aircraft.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Preliminary Design Review/Critical Design Review completed. Milestone III: Mar 93. (Aircraft Breakout: 0 ANG; 0 AFRES; 23 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E			1	0.5		1.0											1	1.5
PROCUREMENT																		
Installation Kits					17	0.9	5	0.3									22	1.2
Installation Kit Nonrecurring																		
Equipment						0.9		0.3										1.2
Equipment Nonrecurring																		
Engineering Change Orders																		
Data						0.6		0.6										1.2
Training Equipment																		
Support Equipment																		
Mod of Spares								0.3										0.3
Interim Contractor Support																		
Installation of Hardware																		
PYs																		
FY94 - 1st Trial Install					1	*											1	
FY95 - 17 ALE-47 Kits							17	2.0									17	2.0
FY96 - 5 ALE-47 Kits									5	0.6							5	0.6
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost					1		17	2.0	5	0.6							23	2.6
* Installation costs funded under NRE.																		
Total Procurement Cost						2.4		3.5		0.6								6.5

METHOD OF IMPLEMENTATION: DEPOT ADMINISTRATIVE LEADTIME: 10 MONTHS PRODUCTION LEADTIME: 10 MONTHS

CONTRACT DATE: Current Year: 2/94 Budget Year 1: 1/95 Budget Year 2: 1/96

DELIVERY DATE: Current Year: 1/95 Budget Year 1: 1/96 Budget Year 2: 1/97

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: ALE-47 CHAFF AND FLARE DISPENSER

INSTALLATION SCHEDULE:

QUARTERS INPUT

	FY93				FY94				FY95				FY96				FY97				FY98				FY99				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY93																														
FY94									1																					1
FY95													4	4	4	5														17
FY96																	2	2	1											5
FY97																														
FY98																														
FY99																														

QUARTERS OUTPUT

	FY93				FY94				FY95				FY96				FY97				FY98				FY99				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY93																														
FY94									1																					1
FY95													4	4	4	5														17
FY96																	2	2	1											5
FY97																														
FY98																														
FY99																														

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AIRCRAFT 500 PDM

DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: C-130E

DESCRIPTION/JUSTIFICATION:

Funds were provided through a Congressional plus-up to support required Program Depot Maintenance (PDM) on an Air Force C-130E test aircraft (tail # 500). This aircraft has been identified as a suitable test bed to support SOF flight test requirements.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

N/A

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																		
PROCUREMENT																		
Installation Kits																		
Installation Kit Nonrecurring																		
Equipment																		
Equipment Nonrecurring																		
Engineering Change Orders																		
Data																		
Training Equipment																		
Support Equipment																		
Other			2.1														2.1	
Interim Contractor Support																		
Installation of Hardware																		
PYs																		
FY94																		
FY95																		
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost																		
Total Procurement Cost			2.1														2.1	

METHOD OF IMPLEMENTATION: N/A ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEADTIME: N/A

CONTRACT DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: N/A

DELIVERY DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: N/A

*P-1 SHOPPING LIST, ITEM NO. 43

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AC-130U LIFELINE

DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: AC-130U

DESCRIPTION/JUSTIFICATION:

Modifies 13 AC-130U aircraft with 4 additional ALE-40 flare dispenser systems. This modification will enhance the AC-130U's self protection capability against infrared threats. FY95 funds for the production and installation of 12 lifeline kits on the AC-130U. Same contractor will build and install kits. Therefore, installation costs will be funded under basic contract, and not at time of aircraft induction.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Firm Fixed Price contract on an Engineering Change Proposal (ECP). Technical Interchange Meeting (Nov 92); Configuration Control Board (CCB) (Dec 93).
1st trial install: 4th QTR FY95; 1st production install: 1st QTR FY96; (Aircraft Breakout: 0 ANG; 0 AFRES; 13 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E				1.5														1.5
PROCUREMENT																		
Installation Kits					13	1.5											13	1.5
Installation Kit Nonrecurring																		
Equipment						1.0												1.0
Equipment Nonrecurring																		
Engineering Change Orders																		
Data						0.1												0.1
Training Equipment																		
Support Equipment																		
Other																		
Interim Contractor Support																		
Installation of Hardware																		
PYs																		
FY94 - 1st Trial Install					1	1.0											1	1.0
FY95 - 12 Lifeline Kits							12										12	
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost					1	1.0	12										13	1.0
Total Procurement Cost						3.6												3.6

METHOD OF IMPLEMENTATION: CONTRACTOR FIELD TEAM ADMINISTRATIVE LEADTIME: 12 MONTHS PRODUCTION LEADTIME: 12 MONTHS

CONTRACT DATE: Current Year: 2/94 Budget Year 1: 1/95 Budget Year 2: N/A

DELIVERY DATE: Current Year: N/A Budget Year 1: 4/95 Budget Year 2: N/A

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: AC-130U LIFELINE

INSTALLATION SCHEDULE:

QUARTERS INPUT

	FY93				FY94				FY95				FY96				FY97				FY98				FY99				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY93																														
FY94												1																		1
FY95														2	4	4	2													12
FY96																														
FY97																														
FY98																														
FY99																														

QUARTERS OUTPUT

	FY93				FY94				FY95				FY96				FY97				FY98				FY99				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY93																														
FY94												1																		1
FY95														2	4	4	2													12
FY96																														
FY97																														
FY98																														
FY99																														

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1994	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				P-1 ITEM NOMENCLATURE MH-53 MODIFICATIONS				
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)		12.582	13.725	6.838				

MISSION AND DESCRIPTION: Current program provides for separate modifications supporting various models of the H-53 aircraft. These modifications are required to improve mission performance of SOF aircraft, correct deficiencies which could endanger life or property, and to increase organizational level maintainability.

FY 95 JUSTIFICATION: These dollars are needed to support the integration from engineering through trial installation, flight test, and kitproof for the Interactive Defensive Avionics System/Multimission Advanced Tactical Terminal (IDAS/MATT) on two (2) MH-53J aircraft. The FY95 program is changed from the FY94 President's Budget Submission due to the production installation decision for the remaining 39 aircraft being deferred due to funding reductions. The intent is to develop and test the IDAS/MATT capability as soon as possible and then field on the SOF aircraft with the most potential for the future. Previous funding decisions and aircraft availability allowed only the MH-53J Program Office to proceed with engineering studies and the development effort.

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: FY90 INSTALLS

DATE: FEBRUARY 1993

MODELS OF SYSTEMS AFFECTED: MH-53J

DESCRIPTION/JUSTIFICATION:
Congressional plus-up to offset installation shortfall for FY90 modification programs.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E N/A																		
PROCUREMENT																		
Installation Kits																		
Installation Kit Nonrecurring																		
Equipment																		
Equipment Nonrecurring																		
Engineering Change Orders																		
Data																		
Training Equipment																		
Support Equipment																		
Other																		
Interim Contractor Support																		
Installation of Hardware																		
PYs		0.3																0.3
FY94																		
FY95																		
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost		0.3																0.3
Total Procurement Cost		0.3																0.3

METHOD OF IMPLEMENTATION: N/A ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEADTIME: N/A

CONTRACT DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: N/A

DELIVERY DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: N/A

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: SERVICE LIFE EXTENSION PROGRAM (SLEP) DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: H-53

DESCRIPTION/JUSTIFICATION:

Program is comprised of 14 initiatives which include a major refurbishment of the electrical and hydraulic systems. Engine and gearboxes will be upgraded along with landing gear, secure intercom, swashplate, self-retaining bolts and tail rotor blade improvements. Program also funds for some structural rework to accomodate sub-system changes

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

First 46 kits, including 6 TH-53A's owned by the Air Force, were procured with prior year funds. The FY93 funds cover service reports generated from modification. Lead times vary with each of the 14 initiatives. Kit prices vary due to the mix of 14 different depot, engine and O&I kits in each year. (Aircraft Breakout: 0 ANG; 0 AFRES; 47 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E N/A																		
PROCUREMENT																		
Installation Kits																		
Installation Kit Nonrecurring																		
Equipment																		
Equipment Nonrecurring																		
Engineering Change Orders																		
Data																		
Training Equipment																		
Support Equipment																		
Hydraulilc/Electrical		2.0																2.0
Mod of Spares		0.1																0.1
Installation of Hardware																		
PYs																		
FY94																		
FY95																		
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost																		
Total Procurement Cost		2.1																2.1

METHOD OF IMPLEMENTATION: DEPOT/FIELD TEAM ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEADTIME: N/A

CONTRACT DATE: Current Year: 1/93 Budget Year 1: N/A Budget Year 2: N/A

DELIVERY DATE: Current Year: 4/93 Budget Year 1: N/A Budget Year 2: N/A

P-1 SHOPPING LIST, ITEM NO. 44

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: INTERACTIVE DEFENSE AVIONICS SYSTEM (IDAS) DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: MH-53J

DESCRIPTION/JUSTIFICATION:

Program completes the MH-53J portion of the SOF IDAS initiative effort. This modification integrates the current stand alone defensive systems on 2 MH-53J aircraft into a MIL-STD-1553B data bus and provides electronic order of battle information correlated to digital map data presented on a multifunction display. The integration adds a mission processor, interference blanker, digital map system, and multifunction color display. The program modifies the existing AP-102 Mission Computer, controls and display systems and replaces the projected map and data transfer systems. As part of the instrument panel changes, the Bearing Distance Heading Indicator and the Course Indicator will be removed and their functions replaced by a Horizontal Situation Indicator. The system architecture is designed to enhance integration of other defensive systems in the future, identified as a result of the SOF Defensive System and Quiet Knight study efforts.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

SOW: Jul 92; CCB: May 92; CMRB: Jul 92. Contract award: Sept 93. (Aircraft Breakout: 0 ANG; 0 AFRES; 2 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E N/A																		
PROCUREMENT																		
Installation Kits	1				1	0.1											2	0.1
Installation Kit Nonrecurring		2.4																2.4
Equipment						0.4												0.4
Equipment Nonrecurring		1.0																1.0
Engineering Change Orders						3.8												3.8
Data		1.0		6.1														7.1
Training Equipment																		
Support Equipment				1.0		1.8												2.8
Software		5.7		2.2														7.9
Flight Test				1.0		0.7												1.7
Installation of Hardware																		
PYs																		
FY94																		
FY95 - 1 IDAS Kit					1	*											1	
FY96 - 1 IDAS Kit							1	*									1	
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost					1		1										2	
* Installation costs less than $ 50K.																		
Total Procurement Cost		10.1		10.3		6.8												27.2

METHOD OF IMPLEMENTATION: DEPOT & DEPOT FIELD TEAM ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEADTIME: N/A

CONTRACT DATE: Current Year: 4/93 Budget Year 1: 1/94 Budget Year 2: 2/95

DELIVERY DATE: Current Year: 2/95 Budget Year 1: 2/95 Budget Year 2: 2/96

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: INTERACTIVE DEFENSE AVIONICS SYSTEM (IDAS)

INSTALLATION SCHEDULE:

QUARTERS INPUT

	FY93				FY94				FY95				FY96				FY97				FY98				FY99				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY93											1																			1
FY94																														
FY95															1															1
FY96																														
FY97																														
FY98																														
FY99																														

QUARTERS OUTPUT

	FY93				FY94				FY95				FY96				FY97				FY98				FY99				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY93														1																1
FY94																														
FY95																1														1
FY96																														
FY97																														
FY98																														
FY99																														

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AN/APQ-158 SUPPORTABILITY UPGRADE

DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: MH-53J

DESCRIPTION/JUSTIFICATION:

Modifies the AN\UPM-151 Radar Test Set for use at the organizational maintenance level in support of the AN/APQ-158 Terrain Following/Terrain Avoidance (TF/TA) Radar. Program also develops 12 signal breakout boxes to isolate built-in test failures which will improve fault isolation techniques at the organizational maintenance level.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Preliminary Design Review and Critical Design Review: 2nd Qtr 94; ATP: 4th Qtr 94.

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E N/A																		
PROCUREMENT																		
Installation Kits																		
Installation Kit Nonrecurring																		
Equipment																		
Equipment Nonrecurring																		
Engineering Change Orders				0.2														0.2
Data				0.4														0.4
Training Equipment																		
Support Equipment				2.9														2.9
Other																		
Interim Contractor Support																		
Installation of Hardware																		
PYs																		
FY94																		
FY95																		
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost																		
Total Procurement Cost				3.5														3.5

METHOD OF IMPLEMENTATION: ORGANIC/INTERMEDIATE ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEADTIME: N/A

CONTRACT DATE: Current Year: Budget Year 1: 1/94 Budget Year 2: N/A

DELIVERY DATE: Current Year: Budget Year 1: 4/94 Budget Year 2: N/A

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1994	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE MH-47/MH-60 MODIFICATIONS			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)		10.582	7.603	10.666	4.973	4.963	4.953	13.203

MISSION AND DESCRIPTION: Program provides for modifications to Special Operations Aircraft (SOA) to include the Army's 23 UH-60L and 26 CH-47D helicopters and the Air Force's 16 MH-60G helicopters. The MH-47E/MH-60K program modifies the Black Hawk (UH-60L) and Medium-Lift Chinook (CH-47D) helicopters to provide Special Operation Forces (SOF) with the capability for low level flight in adverse weather, at extended range, and with precision navigation through unfamiliar mountainous terrain. These will be designated MH-60K AND MH-47E, respectively, and will be provisioned with extended range fuel systems including aerial refueling capability, an integrated cockpit/mission management system, Forward Looking Infrared (FLIR), Multimode Radar (MMR), worldwide communications, upgraded MH-47E engines, and other equipment that is essential for mission success. The SOF mission requires penetration of hostile air space to insert/resupply/extract SOF elements, rapid deployment, strategic intelligence, direct action strikes, and other operational missions supported by SOF. Cockpit integration reduces crew workload to facilitate use of the Mission Equipment Package (MEP) in the high-stress, extended-range penetration environment.

Commonality is a goal of the SOA program and enhances the capability to effectively conduct global operations and minimize life-cycle costs. The MH-60G program modifies 16 SOF MH-60G aircraft with a Helicopter Emergency Egress Lighting System (HEELS).

FY95 JUSTIFICATION: Funding is required to initiate the Combat Mission Simulator update to both simulators which will assure commonality between trainer and aircraft. Also, MMR software will be updated to current Integrated Avionics System (IAS) software version (12). Remaining funds are required to initiate materiel changes to standardize the installed suite of aircraft survivability equipment according to the engineering changes substantiated by anechoic chamber tests conducted in FY93-94. The FY95 program is unchanged from the FY94 President's Budget Submission.

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: MH-47E MODIFICATION

DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: CH-47D

DESCRIPTION/JUSTIFICATION:

Program modifies the CH-47D Chinooks for Special Operations Forces (SOF) mid-range penetration missions. Mission performance will be improved in adverse weather and in unfamiliar mountainous terrain. The modified aircraft will be refuelable. FY93 & 94 RDT&E funds are for flight test and support. Engineering Change funds in FY95 incorporate software version 12. First aircraft for modification was inducted in the 4Q/91.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The MH-47E development program contract award dates were: Sept 87 (T55-L-714 ENG), Dec 87 (Prototype), and Sep 88 (Mission Simulator). The development effort upgrades the T55-L-712 engine, integrates the MH-47E avionics, and modifies the airframe with special equipment for long-range SOF missions. The first 12 aircraft, with the exception of one prototype funded with prior year Army RDT&E funds, were modified with prior year Army procurement funds. MS IIIA: Feb 90; MS III: Aug 91. (Aircraft Breakout: 26 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E		2.4		9.9										7.5				19.8
PROCUREMENT																		
Installation Kits																		
Installation Kit Nonrecurring																		
Equipment																		
Equipment Nonrecurring																		
Engineering Change Orders		5.0		3.7		4.0												12.7
Data																		
Training Equipment				0.1		1.3												1.4
Support Equipment																		
Other																		
Interim Contractor Support																		
Installation of Hardware																		
PYs																		
FY94																		
FY95																		
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost																		
Total Procurement Cost		5.0		3.8		5.3												14.1

METHOD OF IMPLEMENTATION: CONTRACTOR ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEADTIME: N/A

CONTRACT DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: 2/95

DELIVERY DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: 4/95

P-1 SHOPPING LIST, ITEM NO. 45

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: H-60 HEELS INSTALLATION

DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: MH-60G

DESCRIPTION/JUSTIFICATION:

A Helicopter Emergency Egress Lighting System (HEELS) is needed to provide assistance to aircrew members for safe egress of aircraft. After a Class A flight mishap occurred on an HH-3E helicpoter during an overwater mission where three members failed to egress and drowned, the aircraft investigation board recommended that all rotary wing aircraft be modified with HEELS to preclude loss of life in the future.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

All engineering efforts are complete. Trial install has been accomplished. Design stable. (Aircraft Breakout: 0 ANG, 6 AFRES, 10 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																		
PROCUREMENT																		
Installation Kits	16	0.1															16	0.1
Installation Kit Nonrecurring		0.1																0.1
Equipment		0.2																0.2
Equipment Nonrecurring		0.0																0.0
Engineering Change Orders																		
Data		0.0																0.0
Training Equipment																		
Support Equipment		0.1																0.1
Other																		
Interim Contractor Support																		
Installation of Hardware																		
PYs - 16 HEELS Kits	2	0.1	14														16	0.1
FY94																		
FY95																		
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost	2	0.1	14														16	0.1
Total Procurement Cost		0.6																0.6

METHOD OF IMPLEMENTATION: DEPOT/DEPOT FIELD TEAM ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEADTIME: N/A

CONTRACT DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: N/A

DELIVERY DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: N/A

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: *H-60 HEELS INSTALLATION*

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY93 1	FY93 2	FY93 3	FY93 4	FY94 1	FY94 2	FY94 3	FY94 4	FY95 1	FY95 2	FY95 3	FY95 4	FY96 1	FY96 2	FY96 3	FY96 4	FY97 1	FY97 2	FY97 3	FY97 4	FY98 1	FY98 2	FY98 3	FY98 4	FY99 1	FY99 2	FY99 3	FY99 4	TO COMP	TOT PGM
FY93		2			8	6																								16
FY94																														
FY95																														
FY96																														
FY97																														
FY98																														
FY99																														

QUARTERS OUTPUT	FY93 1	FY93 2	FY93 3	FY93 4	FY94 1	FY94 2	FY94 3	FY94 4	FY95 1	FY95 2	FY95 3	FY95 4	FY96 1	FY96 2	FY96 3	FY96 4	FY97 1	FY97 2	FY97 3	FY97 4	FY98 1	FY98 2	FY98 3	FY98 4	FY99 1	FY99 2	FY99 3	FY99 4	TO COMP	TOT PGM
FY93		2			8	6																								16
FY94																														
FY95																														
FY96																														
FY97																														
FY98																														
FY99																														

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: MH-60K MODIFICATIONS

DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: UH-60L

DESCRIPTION/JUSTIFICATION:

Program modifies the UH-60L Black Hawk for Special Operations Forces (SOF) short range penetration missions. Mission performance will be improved in adverse weather and in unfamiliar mountainous terrain. The modified aircraft will be air refuelable. FY93 & 94 RDT&E funds are for flight test and support. Engineering Change funds in FY95 incorporate software version 12. First aircraft for modification was inducted in the 4Q/91.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The MH-60K development program contract definitization date was June 89. Prototype flight test began in Aug 90. The first prototype was developed/procured with Army RDT&E funds. The first 11 production modifications were funded with prior year Army procurement funds. MS IIIA decision was made Feb 90 nd MS III was reached Aug 91.
(Aircraft Breakout: 23 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E		2.4		9.9														12.3
PROCUREMENT																		
Installation Kits																		
Installation Kit Nonrecurring																		
Equipment																		
Equipment Nonrecurring																		
Engineering Change Orders		5.0		3.7		4.0												12.7
Data																		
Training Equipment				0.1		1.3												1.4
Support Equipment																		
Other																		
Interim Contractor Support																		
Installation of Hardware																		
PYs																		
FY94																		
FY95																		
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost																		
Total Procurement Cost		5.0		3.8		5.3												14.1

METHOD OF IMPLEMENTATION: CONTRACTOR ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEADTIME: N/A

CONTRACT DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: 2/95

DELIVERY DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2: 4/95

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1994	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)		117.264	29.227	40.016	17.712	12.752	7.968	6.958

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 is as follows:

A. ACQUISITION PROGRAMS

1. RING LASER GYROS (RLG): This program replaces outdated Inertial Navigation Units (INU) with new RLG technology on FAD 1 SOF aircraft. This replacement increased the reliability of these weapon systems, reduces maintenance and support requirements, and enhances navigation and delivery capabilities.

FY95 PROGRAM JUSTIFICATION: These dollars will fund the procurement of 72 ring laser gyros (2 per aircraft) for the MC-130H and MC-130E aircraft. Failure to replace older generation INUs will diminish the aircraft's capability to accomplish national missions.

2. 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, logistic 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.

FY95 PROGRAM JUSTIFICATION: These funds are required for the procurement of Weapon System Trainer (WST) and Mission Rehearsal Device (MRD) spares.

3. AIRCRAFT INITIAL SPARES: This program finances both initial weapon system spares and aircraft modification spares. Initial weapon systems 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.

FY95 PROGRAM JUSTIFICATION: Effective FY94, DMRD 904 directed the stock funding of initial spares. Therefore, procurement dollars will no longer be used to order the item, but sufficient dollars will be required to reimburse the stock fund upon delivery of initial spare assets. This is a must fund requirement.

4. INTERIM CONTRACTOR SUPPORT (ICS): This program finances the 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.

FY95 PROGRAM JUSTIFICATION: Funds are required to provide ICS support for aircraft modifications only. This support provides for the necessary interim maintenance and repair until other support methods are made available (i.e., establishment of a depot, transition to organic, etc,). Without these funds, aircraft would be grounded due to lack of system support.

5. AAQ-17 FORWARD LOOKING INFRARED (FLIR): Program procures three commercial nondevelopmental item (NDI) enhanced AAQ-17 FLIR systems for use on the AC-130H gunship.

BUDGET ITEM JUSTIFICATION SHEET	DATE: February 1994
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2	P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT

6. AC-130U GFE: Program provides for Depot Level Repairs (DLRs) of Government furnished Equipment (GFE) provided to the integration contractor. Also provides for GFE requisitioning required to stock the Contractor Operated Storage Site (COSS) to be located at Hurlburt Field, FL.

B. SUSTAINMENT PROGRAMS

8. SOF C2 AIRCRAFT: This is the USCINCSOC Command and Control (C2) aircraft modified with suitable secure communications necessary for USSOCOM 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.

FY95 PROGRAM JUSTIFICATION: Funds are required in order to comply with anticipated FAA continuing aging aircraft modification requirements. This aircraft 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. FY95 funds for communication upgrades.

9. AIRCRAFT REPLENISHMENT SPARES: This program provides funding for material replenishment spares exempt from DMRD 904. These spares are needed to provide follow-on spares support for SOF aircraft and aircraft support equipment. Determination of replenishment spares is based on current user requirements. We consider factors such as: number of systems to support; quantity per system/end item; location of systems; authorized levels of operating locations/depot stock levels; number of assets available (on hand, on order, in repair); failure rates; pipeline time, repair cycle, condemnation rates; and best estimate of costs. The majority of these items are not stock listed due to the small number of assets and their unique and changing nature.

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2		C. P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT							
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
				FY 93		FY 94		FY 95	
(1)	(2)			QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)
A. ACQUISITION PROGRAMS	A								
1. RING LASER GYRO	A					18	2,666	72	7,348
2. AIRCREW TRAINING SYSTEM (See P-43)	A						1,086		3,877
3. AIRCRAFT INITIAL SPARES	A				57,338		6,201		4,900
4. INTERIM CONTRACTOR SUPPORT	A				28,750		18,662		23,247
5. AAQ-17 FLIR	A			3	3,500				
6. AC-130U GFE	A				4,995				
B. SUSTAINMENT PROGRAMS									
7. SOF C2 AIRCRAFT	A				446		612		644
8. AIRCRAFT REPLENISHMENT SPARES	A				22,235				
LINE ITEM TOTAL					117,264		29,227		40,016

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/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
A. ACQUISITION PROGRAMS										
1. RING LASER GYRO										
FY 94	HONEYWELL/LITON	SS/FFP	OC-ALC	FEB 94	MAR 95	18	148.111	YES	NO	
FY 95	HONEYWELL/LITON	SS/FFP	OC-ALC	DEC 94	JAN 96	72	102.055	YES	NO	
5. AAQ-17 FLIR										
FY 93	TEX INSTRUMENTS DALLAS, TX	SS/FP	USSOCOM/SOKO	NOV 93	JAN 94	3	1,166.666			

D. REMARKS

2. Ring Laser Gyro (RLG): The variance between FY94 unit cost and FY95 unit cost is due to MC-130E integration being completed in FY94. FY94 funds for 18 ring laser gyros (RLG) for 9 AC-130H aircraft (2 per aircraft) at $85K per unit for a total cost of $1,530K. The remaining FY94 funds will be contracted to LAS for MC-130E RLG integration.

INITIAL SPARES FUNDING PROCUREMENT, DEFENSE AGENCIES/2				DATE FEBRUARY 1994
P-1 LINE	END ITEM NOMENCLATURE	FY 93 $(K)	FY 94 $(K)	FY 95 $(K)
42	AC-130U Gunship	33,865		
45	MC-130H Combat Talon II	6,541		
43	Modification Spares	10,232		
43	AC-130H WRSK	6,700		
	Stock Fund Reimbursement		6,201	4,900
	Total Initial Spares	57,338	6,201	4,900

P-1 SHOPPING LIST, ITEM NO. 48

EXHIBIT P18A

REPLENISHMENT SPARES FUNDING PROCUREMENT, DEFENSE AGENCIES/2				DATE FEBRUARY 1994
P-1 LINE	END ITEM NOMENCLATURE	FY 93 $(K)	FY 94 $(K)	FY 95 $(K)
42	MC-130E MOD 90	10,000		
45	EC-130E World Wide Color TV	7,000		
43	MC-130E Miscellaneous Systems	5,235		
	Total Replenishment Spares	22,235		

P-1 SHOPPING LIST, ITEM NO. 48

EXHIBIT P18A

BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
AIRCRAFT SUPPORT

DATE: FEBRUARY 1994

ITEM / MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FY 92												FY 93												FY 94												FY 95												LATER
					CALENDAR YEAR												CALENDAR YEAR												CALENDAR YEAR												CALENDAR YEAR												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1. RING LASER GYROS																																																			
FY 94	AF	18	0	18																	A												2	2	2	2	4	2	2	4											
FY 95	AF	48	0	48																																							A										72
5. AAQ-17																																																		
FY 93	AF	3	0	3														A		3																																
TOTAL																																																			

PROCUREMENT LEAD TIME

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MIN SUST	1-6-5	MAX	RCH'D D +	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MFNG TIME	TOTAL AFTER 1 OCT
VARIOUS								
INITIAL								
REORDER (Prev Source)								

REMARKS

A = Contract award.

P-1 SHOPPING LIST, ITEM NO. 46

SIMULATOR AND TRAINING DEVICE JUSTIFICATION ($000)							DATE: FEBRUARY 1994		
Appropriation/P-1 Line Item Aircraft Support			Weapon System Special Operations Forces				Equipment Nomenclature Aircrew Training System (ATS)		
Fin Plan	Prior Years	Current FY	BY 1	BY 2	BY 2 + 1	BY 2 + 2	BY 2 + 3	BY 2 + 4	Total
Quantity	2	0	0	0	0	0	0	0	2
Procurement	56,786		1,086	3,877	2,055				63,804
RDT&E	73,462	19,307	24,697	38,615	17,512	4,474	246	0	178,313
O&S	2,700	4,700	6,400	7,700	10,300	12,600	12,600	13,100	70,100

TRAINING SYSTEM DESCRIPTION:

This project will develop an integrated, state-of-the-art SOF aircraft, ground-based Aircrew 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 aircraft. The ATS requirement is driven by the lack of formal schools for the majority of SOF crew members and the absence of multi-aircraft, integrated, real-time combat mission rehearsal capability for SOF aircrews. Existing training rehearsal restrictions, along with increasing operational taskings, joint maneuver training, and extensive crew member training workload have all contributed to the need for this comprehensive, ground training capability. Decreasing crew member experience levels also highlight the need for this capability. SOF ATS is the cost effective approach for providing training and fixed site aircrew integrated weapon system trainers, mission rehearsal devices, part task trainers, computer based training equipment, logistics support packages, courseware, and contractor instruction for all crew members of each aircraft. The system will provide a mix of academics, simulator training, and aircraft flight training to produce combat qualified members that are guaranteed by the contractor. This system will also provide combat mission rehearsal capability allowing SOF aircrews to rehearse highly classified missions of the highest national priority within 48 hours of tasking by the National Command Authority.

	P-1 SHOPP LIST ITEM NO. 48	PAGE NO.	EXHIBIT - 43, Page 1 of 3 P-43 Simulator & Training Device Justification

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 2) ($000)												DATE: FEBRUARY 1994
Appropriation/P-1 Line Item Aircraft Support			Weapon System Special Operations Forces		IOC DATE		Equipment Nomenclature Aircrew Training System (ATS)				PE 12SOFS	
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years		Current Year		Budget Year 1		Budget Year 2	
					QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost
MC-130E WST **	Kirtland	Jun 96	Mar 97	300	1	14,600						
MC-130E MRD ***	Kirtland	Jun 96	Mar 97	300	1	25,100						

REMARKS:

** WST - Weapon System Trainer
*** MRD - Mission Rehearsal Device

	P-1 SHOPP LIST ITEM NO. 48	PAGE NO.	EXHIBIT P-43, Page 2 of 3

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3) ($000)	DATE: FEBRUARY 1994
Training Device by Type Air Crew Training System	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, mission rehearsal device, and imagery support system, providing real-world mission rehearsal capability for MC-130E/H aircraft. The imagery support system consists of both a Mission Rehearsal Imagery Support System (MRISS) and a Data Base Generation System (DBGS).

Financial Plan	Prior Years		Current Year		Budget Year 1		Budget Year 2		Cost to Complete		Total Cost	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
HARDWARE COSTS												
Device (Hardware)	2	39,700									2	39,700
ECOs												
Non Recurring												
GFE												
Other (MRISS & DBGS)	0	12,500									0	12,500
Total Hardware Costs	2	52,200									2	52,200
SUPPORT COSTS												
Special SE (SOFPREP)					0	1,086					0	1,086
Integrated Logistics Support												
Other (Spares/Data/Misc.)	0	4,586					0	3,877	0	2,055	0	10,518
Total Support Costs	0	4,586			0	1,086	0	3,877	0	2,055	0	11,604
Software/Courseware												
TOTAL COSTS	2	56,786			0	1,086	0	3,877	0	2,055	2	63,804

P-1 SHOPP LIST ITEM NO. 48 | PAGE NO. | EXHIBIT P-43, PAGE 3 OF 3

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1994	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE OTHER AIRCRAFT MODIFICATIONS			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)		2.975						

MISSION AND DESCRIPTION: This line provides for the modifications to both fixed and rotary wing aircraft. FY 93 funding has been congressionally earmarked for FY90 C-141 installations.

FY95 JUSTIFICATION: N/A

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: FY90 INSTALLS

DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: C-141

DESCRIPTION/JUSTIFICATION:

Congress provided an additional $2.975 for the installation of C-141 kits that were procured with FY90 and prior funds.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E N/A																		
PROCUREMENT																		
Installation Kits																		
Installation Kit Nonrecurring																		
Equipment																		
Equipment Nonrecurring																		
Engineering Change Orders																		
Data																		
Training Equipment																		
Support Equipment																		
Other																		
Interim Contractor Support																		
Installation of Hardware																		
PYs		3.0																3.0
FY94																		
FY95																		
FY96																		
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost		3.0																3.0
Total Procurement Cost		3.0																3.0

METHOD OF IMPLEMENTATION: DEPOT ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEADTIME: N/A

CONTRACT DATE: Current Year: N/A Budget Year 1: N/A Budget Year 2 N/A

DELIVERY DATE: Current Year: N/A Budget Year 1 N/A Budget Year 2: N/A

BUDGET ITEM JUSTIFICATION SHEET						DATE: February 1994		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				P-1 ITEM NOMENCLATURE RFMETS PROGRAM				
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)				23.872	26.922	47.634	20.036	7.576

MISSION AND DESCRIPTION: The Radio Frequency Mobile Electronic Test Set (RFMETS) is a three part program to provide a SOF-common mobile intermediate level tester for critical avionics of the AC-130H, AC-130U and MC-130H aircraft. First, the program procures 20 "off the shelf" test sets for use by SOF maintenance units. Secondly, the program develops test program sets (TPSs) and ancillary equipment for all Line Replaceable Units (LRUs) and the derivative Shop Replaceable Units (SRUs) in the avionics systems supported by RFMETS., Thirdly, this funding line contains monies for organic depot startup for the three largest systems supported; the MC-130H APQ-170 radar, the AC-130U All Light Level Television (ALLTV), and the AC-130U APQ-180 radar. RFMETS has been an Air Force BP-12 funded program through FY94, and transitions to MFP-11 funding in FY95 for the final TPS and depot development.

FY95 PROGRAM JUSTIFICATION: FY95 program includes funds for development of TPSs for the ALLTV and APQ-170 r dar, completion of depot SRU TPS development for the AC-130U and AC-130H begun in FY94, and SPO mission support.

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE RFMETS PROGRAM					
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
				FY 93		FY 94		FY 95	
				QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
(1)	(2)			(5)	(6)	(7)	(8)	(9)	(10)
RFMETS PROGRAM									
1. Program Office Support	A								1,428
2. Upgrade to APQ-180 Radar SE	A							1	1,632
3. TPS for one ALLTV LRU	A							4	3,980
4. Manual Testers for 5 ALLTV LRUs	A							20	10,400
5. TPSs for 20 Miscellaneous SRUs	A							40	4,080
6. Upgrade to APQ-170 Radar TPSs	A							1	816
7. RFMETS/APQ-170 Radar Tech Orders	A								1,536
LINE ITEM TOTAL									23,872

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE RFMETS PROGRAM						
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
RFMETS PROGRAM										
2. Upgrade to APQ-180 Radar SE FY 95	AF/WR-ALC/LY WARNER ROBINS	PO/FP	AFMC	JAN 95	JAN 96	1	1,632.000	YES	YES	
3. TPS for one ALLTV LRU FY 95	UNKNOWN	SS/FFP	AFMC	MAR 95	MAR 98	4	995.000	NO		
4. Manual Testers for 5 ALLTV LRUs FY 95	UNKNOWN	SS/FFP	AFMC	JAN 95	JAN 97	20	520.000	NO		
5. TPSs for 20 Miscellaneous SRUs FY 95	AF/WR-ALC/LU WARNER ROBINS	C/FFP	AFMC	FEB 95	FEB 97	40	102.000	NO		
6. Upgrade to APQ-170 Radar TPSs FY 95	IBM	SS/FFP	AFMC	MAY 95	MAY 96	1	816.000	NO		

D. REMARKS

3. TPSs for one ALLTV LRU - The recurring cost of TPSs is negligible. Almost all the costs are up front: software development and then support during a year of field maturation. We get ultimate delivery of about 4 copies of each LRU TPS and 2 copies of each SRU TPS.

4. Manual Testers for 5 ALLTV LRUs - Cost includes development.

BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
RFMETS PROGRAM

DATE FEBRUARY 1994

ITEM / MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FY 92 CY OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 93 CY OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 94 CY OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 95 CY OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATE
3 TPS for one ALLTV LRU/TBD																																																				
FY 95	AF	4	0	4																																																4
																																												A											20
4 Manual Testers for 5 ALLTV LRUs/TBD																																																				
FY 95	AF	20	0	20																																													A					40
5 TPSs for 20 Miscellaneous SRUs/TBD																																																				
FY 95	AF	40	0	40																																																	

TOTAL

PROCUREMENT LEAD TIME

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MIN	18 5	MAX	RCMD D +	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MFNG TIME	TOTAL AFTER 1 OCT
VARIOUS								

INITIAL REORDER (Prev Source)

REMARKS

A = Contract award

P 1 SHOPPING LIST, ITEM NO 99

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1994	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE PATROL COASTAL			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)		19.966	28.369	12.380	14.948	33.375	49.249	30.267

MISSION AND DESCRIPTION: The Patrol Coastal (PC) will conduct coastal patrol, surveillance, and interdiction operations and support Naval Special Warfare missions. The craft will be equipped with two MK 38 25MM guns, as well as M60 and 50 caliber machine guns and shoulder fired Stingers. The need for a coastal patrol and interdiction combatant craft capability was validated during operation "Earnest Will" in the Persian Gulf as well as through increased commitments supporting missions in CONUS and the SOUTHCOM areas of responsibility (AOR).

FY95 PROGRAM JUSTIFICATION: FY95 funds support post shakedown availability efforts for PCs 9 - 13, engineering support, and alteration procurement/installation. Tactical communications alteration includes procurement of mini-demand assigned multiple access (mini-DAMA) transceivers and tactical data link. The FY95 program is unchanged from the FY94 President's Budget.

NOTE: PC and SWPS mun tions (FY96 and beyond) are reflected in the Platform Gun Ammo P-1, sub-line Gun Ammo.

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE PATROL COASTAL					
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
				FY 93		FY 94		FY 95	
(1)	(2)			QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)
1. PATROL COASTAL - SYSTEMS	A								
A. GLOBAL POSITIONING SYSTEM	A			11	361				
B. ELECTRONIC PLOTTER	A			11	1,289				
C. ACCEPTANCE TESTING	N/A								
D. PRODUCTION ENGINEERING	N/A				100		99		102
E. PC CLASS COSTS	A				10,233				
F. PC MAJOR SHORE BASED SPARES	N/A			VAR	5,699				
G. PC POST DELIVERY	N/A						1,221		1,636
H. ALTERATIONS/MATERIAL/INSTALL	N/A						698		962
I. SHORE BASED REPAIR PARTS (SBRP)	N/A					VAR	5,876		
J. COMMUNICATIONS ALTERATIONS	N/A					VAR	5,475	VAR	9,680
K. CONTRACT ADJUSTMENT/CLAIMS	N/A						15,000		
2. PATROL COSTAL - MUNITIONS	A								
A. SEA GNAT CHAFF - 30W80	A			500	1,541				
B. SEA GNAT CHAFF - 9W22	A			500	743				
LINE ITEM TOTAL					19,966		28,369		12,380

P-1 SHOPPING LIST, ITEM NO. 49

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE PATROL COASTAL						
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. PATROL COASTAL - SYSTEMS										
A. GLOBAL POSITIONING SYSTEM FY 93	ROCKWELL COLLIN CEDAR RAPIDS IA	C/OPTION	SPAWAR	OCT 93	NOV 93	11	32.818			
B. ELECTRONIC PLOTTER FY 93	SPERRY MARINE Charlotsvil, VA	C/OPTION	NAVSEA	NOV 92	DEC 93	11	117.182			
2. PATROL COSTAL - MUNITIONS										
A. SEA GNAT CHAFF - 30W80 FY 93	TORAL HYCOR WOBURN, MA	C/FP	SPCC	JUL 93	JUL 94	500	3.082			
B. SEA GNAT CHAFF - 9W22 FY 93	TORAL HYCOR WOBURN, MA	C/FP	SPCC	JUL 93	JUL 94	500	1.486			
D. REMARKS										

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1994	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE SUBMARINE CONVERSION			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY				2	2	1	2	1
COST (in millions $)			0.366	12.288	11.538	8.338	12.757	6.602

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 replacements for SSN 637 long hull Dry Deck Shelter (DDS) host and Advanced SEAL Delivery System (ASDS) host submarines.

FY95 PROGRAM JUSTIFICATION: All current DDS host submarines (SSN 637 class) are scheduled for inactivation by the year 1999. SSN 688 class submarines will be modified to host DDS (as 637 class replacements) and ASDS. These modifications will ensure the continued capability for clandestine, underwater SEAL and SEAL Delivery Vehicle (SDV) infiltration/exfiltration operations. FY95 funds will be used to complete the ship alteration detailed design and order long lead time materials, and conduct major modifications required for equipment on SSN hovering and propulsion systems. Two modifications are currently planned. The FY95 program is unchanged from the FY94 President's Budget Submission.

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2		C. P-1 ITEM NOMENCLATURE SUBMARINE CONVERSION							
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
				FY 93		FY 94		FY 95	
				QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
(1)	(2)			(5)	(6)	(7)	(8)	(9)	(10)
1. SUBMARINE CONVERSION									
A. SHIP ALTERATION DETAILED DESIGN	A					VAR	366	VAR	4,081
B. LONG LEADTIME MATERIEL ORDER	A							VAR	2,086
C. ASDS DESIGN/SHIP ALT/CONVERSION	A							VAR	6,121
LINE ITEM TOTAL							366		12,288

BUDGET ITEM JUSTIFICATION SHEET						DATE: February 1994		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY VEHICLE (SDV)				
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY				5	5	5	2	
COST (in millions $)				11.906	18.848	16.774	1.954	0.937

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 to the year 2005.

FY95 PROGRAM JUSTIFICATION: The SLEP effort will focus on correcting identified and projected sustainability and maintainability problems within selected subsystems. Procurement funds will be used to purchase/install such items as the Global Positioning System, sonars, secure communications, mission data recorders, direct current (DC) propulsion motors, and pilot/navigator displays. Five of the units will be installed in the MK 8 SDV and an additional three units will be spares. The FY95 program is unchanged from the FY94 President's Budget Submission.

PROGRAM COST BREAKDOWN										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY VEHICLE (SDV)						
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS								
				FY 93		FY 94		FY 95		
(1)	(2)			QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)	
1. MK 8 MOD 1 SDV SYSTEMS	A									
A. GPS	A							8	319	
B. SONAR - OBSTACLE AVOIDANCE	A							8	1,678	
C. SONAR - DOCKING	A							8	415	
D. PERISCOPE	A							8	959	
E. SECURE COMMUNICATIONS - UHF RADIO	A							8	198	
F. SECURE COMMUNICATIONS - HF RADIO	A							8	198	
G. MISSION DATA RECORDER - AUDIO	A							8	116	
H. MISSION DATA RECORDER - VIDEO	A							8	102	
I. MISSION DATA RECORDER - DIGITAL	A							8	41	
J. MISSION DATA RECORDER - DIGITAL PLAYBACK U	A							8	240	
K. PROPULSION MOTOR	A							8	863	
L. DISPLAY - UNITS	A							8	732	
M. DOPPLER NAVIGATION SONAR (DNS)	A							8	410	
N. FRAMES/CANS	A							5	946	
O. INSTALL OF MODIFICATIONS	N/A								2,197	
P. DOCUMENTATION	N/A								306	
Q. ACCEPTANCE TESTING	N/A								882	
R. PRODUCTION ENGINEERING	N/A								1,304	
LINE ITEM TOTAL									11,906	

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/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	UNKNOWN	C/FP	NAVSEA	OCT 94	MAR 95	8	39.875	YES	YES	AUG 94
B. SONAR - OBSTACLE AVOIDANCE FY 95	SONATECH	SS/FP	NSWC, DHLGRN	NOV 94	MAR 95	8	209.750	NO		AUG 94
C. SONAR - DOCKING FY 95	UNKNOWN	C/FP	NSWC, DHLGRN	DEC 94	MAY 95	8	51.875	YES	YES	OCT 94
D. PERISCOPE FY 95	UNKNOWN	C/FP	NSWC, DHLGRN	JAN 95	JUL 95	8	119.875	YES	YES	NOV 94
E. SECURE COMMUNICATIONS - UHF RADIO FY 95	UNKNOWN	SS/FP	NAVSEA	OCT 94	MAR 95	8	24.750	YES	NO	
F. SECURE COMMUNICATIONS - HF RADIO FY 95	UNKNOWN	SS/FP	NAVSEA	OCT 94	MAR 95	8	24.750	YES	NO	
G. MISSION DATA RECORDER - AUDIO FY 95	Signal Design	SS/FP	NSWC, DHLGRN	OCT 94	MAR 95	8	14.500	YES	NO	
H. MISSION DATA RECORDER - VIDEO FY 95	TEAC	SS/FP	NSWC, DHLGRN	OCT 94	MAR 95	8	12.750	YES	NO	
I. MISSION DATA RECORDER - DIGITAL FY 95	Targa	SS/FP	NSWC, DHLGRN	OCT 94	MAR 95	8	5.125	YES	NO	

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/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
J. MISSION DATA RECORDER - DIGITAL PLAYBACK FY 95	UNKNOWN	C/FP	NSWC, DHLGRN	OCT 94	MAR 95	8	30.000	YES	NO	
K. PROPULSION MOTOR FY 95	Motion Ctrl Sys	SS/FP	NSWC, DHLGRN	OCT 94	MAR 95	8	107.875	YES	NO	
L. DISPLAY - UNITS FY 95	UNKNOWN	C/FP	NSWC, DHLGRN	DEC 94	JUN 95	8	91.500	YES	YES	OCT 94
M. DOPPLER NAVIGATION SONAR (DNS) FY 95	UNKNOWN	C/FP	NSWC, DHLGRN	DEC 94	MAY 95	8	51.250	YES	YES	OCT 94
N. FRAMES/CANS FY 95	UNKNOWN	C/FP	NSWC, DHLGRN	DEC 94	JUN 95	5	189.200	NO		OCT 94

D. REMARKS

1A, 1E, 1F, 1G, 1H, 1I, 1J: GPS, Secure Communications, and Mission Data Recorder equipment will be off-the-shelf units. Of the 8 units being procured in FY95, 3 will be spares.

BUDGET ITEM JUSTIFICATION SHEET					DATE: February 1994			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS CRAFT			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY			2	2	12	4	6	
COST (in millions $)			9.044	9.595	58.409	95.481	76.047	

MISSION AND DESCRIPTION: The MK V Special Operations Craft (SOC) will conduct medium range insertion/extraction (MRI) of Special Operations Forces (SOF). It will have the inherent ability to support limited coastal patrol and interdiction (CP&I) 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. The need for this type of combatant craft was validated during operation Desert Shield/Desert Storm in the Persian Gulf and is further justified by potential maritime SOF employments in all unified areas of responsibility.

FY95 PROGRAM JUSTIFICATION: FY95 continues the procurement of MK V SOC systems. FY95 is the first year of full rate production. The proposed buy of one detachment (two craft/transporters and support equipment) and the one detachment purchased in FY94 are part of a total program objective of thirteen detachments (26 craft/18 transporters). The FY95 program is unchanged from the FY94 President's Budget Submission.

PROGRAM COST BREAKDOWN										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2		C. P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS CRAFT								
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS								
				FY 93		FY 94		FY 95		
(1)	(2)			QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)	
1. MK V SPECIAL OPERATIONS CRAFT SUPPORT	B									
A. MK V SOC	B					2	6,400	2	7,158	
B. *TRANSPORTER*	A					2	*1,000*	2	1,040	
C. HEAVY SUPPORT VEHICLE (M1083)	A					2	270			
D. LIGHT SUPPORT VEHICLE (M1097)	A					4	180			
E. S-250 SHELTER	A					4	40			
F. S-280 SHELTER	A					1	40			
G. PRODUCTION ENGINEERING	N/A						264		250	
H. DEPLOYMENT PACKAGE	N/A					1	850	1	756	
I. TRACTOR (M916A1E1)	B							2	291	
J. ACCEPTANCE TESTS	N/A								100	
LINE ITEM TOTAL							9,044		9,595	

P-1 SHOPPING LIST, ITEM NO. 93

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/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
1. MK V SPECIAL OPERATIONS CRAFT SUPPORT										
A. MK V SOC										
FY 94	UNKNOWN	C/FP	USSOCOM	JUL 94	FEB 95	2	3,200.000	NO		
FY 95	UNKNOWN	C/FP	USSOCOM	JUL 95	FEB 96	2	3,579.000	NO		
B. TRANSPORTER										
FY 94	UNKNOWN	C/FP	USSOCOM	JUL 94	FEB 95	2	500.000	NO		
FY 95	UNKNOWN	C/FP	USSOCOM	JUL 95	FEB 96	2	520.000	NO		
C. HEAVY SUPPORT VEHICLE (M1083)										
FY 94	ARMY TACOM (STEWART&STVSO)	OPTION	USSOCOM	JUL 94	JAN 95	2	135.000	YES	NO	
D. LIGHT SUPPORT VEHICLE (M1097)										
FY 94	ARMY TACOM (AM GENERAL)	OPTION	USSOCOM	JUL 94	JAN 95	4	45.000	YES	NO	
E. S-250 SHELTER										
FY 94	UNKNOWN	PO	USSOCOM	JUL 94	JAN 95	4	10.000	YES	NO	
F. S-280 SHELTER										
FY 94	UNKNOWN	PO	USSOCOM	JUL 94	JAN 95	1	40.000	YES	NO	
H. DEPLOYMENT PACKAGE										
FY 94	UNKNOWN	C/FP	USSOCOM	JUL 94	FEB 95	1	850.000	NO		
FY 95	UNKNOWN	C/FP	USSOCOM	JUL 95	FEB 96	1	756.000	NO		

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/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
1. TRACTOR (M916A1E1) FY 95	ARMY/TACOM (FREIGHTLINER)	OPTION	USSOCOM	OCT 94	JAN 95	2	145.500	YES	NO	

D. REMARKS
1A. MK V SOC FY94 and FY95 unit costs includes production engineering and acceptance tests.

BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
MK V SPECIAL OPERATIONS CRAFT

DATE FEBRUARY 1994

ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FY 92 CY OCT	FY 92 CY NOV	FY 92 CY DEC	FY 92 CY JAN	FY 92 CY FEB	FY 92 CY MAR	FY 92 CY APR	FY 92 CY MAY	FY 92 CY JUN	FY 92 CY JUL	FY 92 CY AUG	FY 92 CY SEP	FY 93 CY OCT	FY 93 CY NOV	FY 93 CY DEC	FY 93 CY JAN	FY 93 CY FEB	FY 93 CY MAR	FY 93 CY APR	FY 93 CY MAY	FY 93 CY JUN	FY 93 CY JUL	FY 93 CY AUG	FY 93 CY SEP	FY 94 CY OCT	FY 94 CY NOV	FY 94 CY DEC	FY 94 CY JAN	FY 94 CY FEB	FY 94 CY MAR	FY 94 CY APR	FY 94 CY MAY	FY 94 CY JUN	FY 94 CY JUL	FY 94 CY AUG	FY 94 CY SEP	FY 95 CY OCT	FY 95 CY NOV	FY 95 CY DEC	FY 95 CY JAN	FY 95 CY FEB	FY 95 CY MAR	FY 95 CY APR	FY 95 CY MAY	FY 95 CY JUN	FY 95 CY JUL	FY 95 CY AUG	FY 95 CY SEP	LATER
1.A. MK V Sp Ops Craft																																																			
FY 94		2	0	2																																		A					1	1									
FY 95		2	0	2																																												A				2
TOTAL																																																			

PROCUREMENT LEAD TIME

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MIN SUST	1-8-5	MAX	RCH'D 0 +
VARIOUS				

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	M-ING TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER (Prev Source)				

REMARKS

A = CONTRACT AWARD

P-1 SHOPPING LIST, ITEM NO. 93

PAGE 1 OF 1 PAGE

P-21 EXHIBIT

CODE "B" ITEM DESCRIPTION	DATE: FEBRUARY 1994	REPORTS CONTROL SYMBOL DD-COMP (USSOCOM) 1092

APPROPRIATION / ACTIVITY
PROCUREMENT, DEFENSE AGENCIES/2

P-1 ITEM NOMENCLATURE:
MK V SPECIAL OPERATIONS CRAFT

1. CURRENT DEVELOPMENT AND TEST STATUS:

		SCHEDULE DATE		
		CURRENT	LAST RPT'D	REASON FOR DELAY
Dev Test & Evaluation	Plan/Actual	02-05/94	02-05/94	
Initial Test & Evaluation	Plan/Actual	03-04/95	03-04/95	
Operational Test & Evaluation	Plan/Actual	05-06/95	05-06/95	
Availability Date of Technical Data Package	Plan/Actual	07/94	07/94	

2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: AUG 95

3. EQUIPMENT ITEM(S) TO BE REPLACED: MK III Patrol Boat, in its secondary role as a SOF insertion/extraction craft

4. EXTENT OF IMPROVEMENT OVER ITEM(S)/EQUIPMENT TO BE REPLACED:
Greater payload; appropriate seating for passengers.
Higher performance; greater cruise and maximum speeds/ranges.
Air transportable via C-5; transportable over land on organic transporter.

5. DEVELOPMENT CONTRACT INFORMATION: (Dollars in Millions)

CONTRACTOR NAME (1)	PLANT LOCATION (2)	COMPONENT (3)	THRU FY 93 (4)	FY 94 (5)	FY 95 (6)	FY 96 (7)	BEYOND FY 96 (8)
Peterson Builders Inc.	Sturgeon Bay, WI	Test Craft (1)	4.870				
Halter Marine, Inc.	New Orleans, LA	Test Craft (2)	7.337				
Talbert	Rensalear, IN	Transporter (1)	0.337				
Freightliner	Portland, OR	Tractor (3)	0.600				
Lockheed/Globe	Bradenton, FL	Transporter (2)	2.100				
TOTAL RDT&E FUNDING			22.034	1.591	1.597	0.489	0

6. REMARKS:
Program is following a streamlined, accelerated acquisition strategy/schedule. All realistic goals have been met. Future goals are considered moderate to low risk.

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1994	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE ADVANCED SEAL DELIVERY SYSTEM (ASDS)			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY						1	2	3
COST (in millions $)						4.368	83.291	80.553

MISSION AND DESCRIPTION: The Advanced SEAL Delivery System (ASDS) is a manned combatant submersible capable of delivering SEAL personnel and weapons in a high threat environment. The ASDS will provide the requisite range, endurance, payload, and other capabilities for operation in a full range of threat environments.

FY95 PROGRAM JUSTIFICATION: N/A

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1994	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE SOF PYRO/DEMO			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)		13.181	12.568	14.029	22.953	22.582	28.446	34.524

MISSION AND DESCRIPTION: Based on a significant reduction in FY95 TOA, USSOCOM has drastically reduced the FY95 SOF Pyro/Demo program. A variety of Special Operations Forces (SOF) Pyrotechnics and Demolitions are procured through this budget line, including Activated Metal Decoy (AMD); Penetration Augmented Munition (PAM); Selectable Lightweight Attack Munitions (SLAM) and pyrotechnic and demolition materials.

1. ACTIVATED METAL DECOY (AMD): The AMD is an expendable dispenser for use by SOF aircraft which is capable of identifying and decoying infrared (IR) surface-to-air missiles (SAM) with the added benefit of being covert and safe.

FY95 PROGRAM JUSTIFICATION: The AMD will enhance Special Operations aircraft survivability in the IR SAM environment. Current IR SAM defense is provided by flares which increase the visible signature of the aircraft. AMD will replace existing flares.

2. PENETRATION AUGMENTED MUNITION (PAM): The PAM is a 30 pound multi-stage munition with a shaped charge capable of destroying heavily reinforced concrete bridge pier/columns requiring minimum time on target.

FY95 PROGRAM JUSTIFICATION: The PAM will enhance SOF operational effectiveness and survivability. Requirements are SOF peculiar because of the greatly increased weight and volume of any possible alternatives. PAM allows successful attack of SOF targets not otherwise possible.

3. SELECTABLE LIGHTWEIGHT ATTACK MUNITION (SLAM): The SLAM is a 2.2 pound hand emplaced munition capable of defeating tracked/wheeled vehicles, POL/ammunition storage sites, and parked aircraft. It has four modes of operation: magnetic Armored Personnel Carrier (APC) bottom attack, trip line APC side attack, time demolition, and command detonation. Pyrotechnic items consist of illumination, signaling, identification, and location devices using flare or smoke as the primary signaling agent.

FY95 PROGRAM JUSTIFICATION: SLAM fills the SOF requirement for a munition that is lightweight, lethal and easily emplaced against a broad range of targets. The SLAM will replace the heavier and bulkier M15, M19, M21 and M24 mines.

4. SOF PYROTECHNICS: Pyrotechnic items consist of illumination, signaling, identification, and location devices using flares or smoke as the primary signaling agent. Demolitions consist of explosive devices and accessories.

FY95 PROGRAM JUSTIFICATION: Pyrotechnics are used for training, combat exercises, submarine rescue and search and rescue operations. Demolitions are required for fleet units to perform training functions and operations requirements. Funds provide for pyrotechnic/demolition devices, grenades, detonating cords, caps and fuses, etc. Also provides for production engineering, component renovations, gauge procurement and product improvement.

The P-20 exhibits (Requirements Study) are classified documents and can be submitted upon request.

AMMUNITION COST ANALYSIS (Dollars In Thousands)

P-1 LINE ITEM
SOF PYRO/DEMO

DATE: FEBRUARY 1994

ELEMENT OF COST	FY 93			FY 94			FY 95		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
1. ACTIVATED METAL DECOY (AMD)									
HARDWARE									
AMD - FY 94				27,000	0.10000	2,700			
AMD - FY 95							14,280	0.10000	1,428
SUBTOTAL						2,700			1,428
2. PENETRATION AUGMENTED MUNITION (PAM)									
HARDWARE									
PAM							377	7.51721	2,834
SUBTOTAL									2,834
PRODUCTION SUPPORT									
PRODUCTION ENGINEERING									54
QUALITY ASSURANCE									4
ACCEPTANCE TESTING									43
INTERIM TRANSPORTATION									11
INDUSTRIAL STOCK SUPPORT									73
CAWCF GAIN/LOSS SURCHARGE									(26)
SUBTOTAL									159
TOTAL									2,993
3. SELECTABLE LIGHTWEIGHT ATTACK MUNITION									
HARDWARE									
SLAM							10,499	0.41890	4,398
SUBTOTAL									4,398
PRODUCTION SUPPORT									
PRODUCTION ENGINEERING									239
QUALITY ASSURANCE									19
ACCEPTANCE TESTING									189
INTERIM TRANSPORTATION									49
INDUSTRIAL STOCK SUPPORT									324
CAWCF GAIN/LOSS SURCHARGE									(113)
SUBTOTAL									707
TOTAL									5,105

AMMUNITION COST ANALYSIS (Dollars in Thousands)

P-1 LINE ITEM
SOF PYRO/DEMO

DATE: FEBRUARY 1994

ELEMENT OF COST	FY 93 QTY	FY 93 UNIT COST	FY 93 TOTAL	FY 94 QTY	FY 94 UNIT COST	FY 94 TOTAL	FY 95 QTY	FY 95 UNIT COST	FY 95 TOTAL
4. SOF PYROTECHNICS									
HARDWARE									
DG100 SIGNALS	VAR		5,266	VAR		2,550	VAR		476
DG300 MINES, CHGS, AND CHG CONTAINERS	VAR		4,720						
DG350 EXPLOSIVE CHARGES				VAR		3,881	VAR		1,189
DG400 LAND MINES				VAR		1,065			
DG550 DETONATION CORD AND TIME FUZES				VAR		62	VAR		626
DG575 BLASTING CAPS AND INITIATORS				VAR		185	VAR		584
DG600 CUTTERS AND CARTRIDGES	VAR		380						
DG700 ANTI-SHIP MINES AND COMPONENTS	VAR			VAR			VAR		346
DG800 OTHER PYRO AND DEMO ITEMS	VAR		993						
DG830 PRODUCTION ENGINEERING	VAR		1,047	VAR		1,327	VAR		574
DG850 PRODUCT IMPROVEMENT	VAR		637	VAR		656	VAR		674
DG893 RENOVATION	VAR		106	VAR		109			
DG894 GAUGE	VAR		32	VAR		33	VAR		34
SUBTOTAL			13,181			9,868			4,503
TOTAL P-1 LINE ITEM			13,181			12,568			14,029

P-1 SHOPPING LIST, ITEM NO. 51

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY *PROCUREMENT, DEFENSE AGENCIES/2*				C. P-1 ITEM NOMENCLATURE SOF PYRO/DEMO						
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. ACTIVATED METAL DECOY (AMD)										
AMD - FY 94	ALLOY SURFACES WILLMINGTON, DE	C/FP	AFMC	DEC 94	APR 95	27,000	0.100	YES	NO	
AMD - FY 95	ALLOY SURFACES WILLMINGTON, DE	C/FP	AFMC	DEC 95	JAN 96	14,280	0.100	YES	NO	
2. PENETRATION AUGMENTED MUNITION (PAM)										
PAM FY 95	ALLIANT TECH EDINA, MN	SS/FP	AMCCOM	APR 95	MAR 96	377	7.51721	NO		
3. SELECTABLE LIGHTWEIGHT ATTACK MUNITION										
SLAM FY 95	ALLIANT TCH SYS EDINA, MN	SS/FP	AMCCOM	MAR 95	MAR 96	10,499	0.41890	NO		
D. REMARKS										

BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: SOF PYRO/DEMO

DATE FEBRUARY 1994

ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FY 92 CY 92 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 93 CY 93 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 94 CY 94 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 95 CY 95 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1. ACTIVATED METAL DECOY																																																			
FY94		# 27	0	27																											A						3	3	3	3	3	3	9
FY95		# 14	0	14																																															14
2. PENETRATION AUGMENTATION MUNITION																																																		
FY95		# 377	0	377																																	A															377
3. SLAM																																																		
FY95		# 10	0	10																															A															10
TOTAL					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION

PRODUCTION RATES: MIN SUST | 1-8-5 | MAX | RCH'D D +

PROCUREMENT LEAD TIME

INITIAL REORDER (Prev 5 mos)

ADMIN LEAD TIME: PRIOR 1 OCT | AFTER 1 OCT

MFNG TIME

TOTAL AFTER 1 OCT

REMARKS

A = Contract Award

= Delivery Quantities in Thousands

P-1 SHOPPING LIST, ITEM NO 61

PAGE 1 OF 1 PAGES

EXHIBIT P-21

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1994	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE SOF PLATFORM GUN AMMUNITION			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)		38.147	23.032	38.496	38.700	47.802	35.143	35.616

MISSION AND DESCRIPTION: This budget line combines all platform gun ammunition for the AC-130 gunship and Navy Ship Gun and Patrol Craft Ammunition. Ammunition is necessary to support Air Force and Navy Special Operations Forces (SOF) annual training requirements and replenish war reserve stockage.

1. 105MM AMMUNITION - This AC-130H/AC-130U combat munition provides anti-personnel, light armor kill, and concrete penetration capability in support of air base defense, close air support, and direct action missions. Procured through the Conventional Ammunition Working Capital Fund (CAWCF). 105MM FUZE is used in conjunction with 105mm High Explosive (HE) and White Phosphorus (WP) rounds for close air support, air base defense, and support to executing direct action missions. It is a point detonating fuse with a delay element; designed for use with 105mm Howitzer on AC-130H/U gunships.

FY95 PROGRAM JUSTIFICATION: This line procures ammunition to replenish war reserve munitions and support annual training requirements.

2. AC-130 GUNSHIP 25MM AMMUNITION - This AC-130U combat munition provides light vehicle kill and area coverage kill capability in support of air base defense, close air support, and direct action missions. Procured through the CAWCF.

FY95 PROGRAM JUSTIFICATION: Provides ammunition to support annual training requirements and establish the war reserve stockage.

3. AC-130 GUNSHIP PGU A/B REFUZING - This refuzing replaces the Mark 27 Fuze. The Mark 27 Fuze provides inadequate safe separation from the gun barrel after firing, causing a potentially serious hazard to the AC-130 gun crew and aircraft.

FY95 PROGRAM JUSTIFICATION: Provides a new fuze to attach to the PGU 9A/B 40MM ammunition thus preventing safety of flight hazards.

4. OTHER SHIP GUN AMMUNITION: Provides ammunition in support of the Navy's Special Operations Forces which includes special boat units, special warfare groups, special warfare units, SEAL teams, special boat squadrons, and SEAL Delivery Vehicles.

FY95 PROGRAM JUSTIFICATION: These funds are required to procure components, load and assemble complete rounds, and provide ammunition to supply peacetime expenditures and meet war reserve requirements. Funds also provide for production engineering, component renovation, gauges and product improvement.

5. PATROL CRAFT AMMUNITION: Funds for this ammunition were previously funded in the Patrol Craft Line. Provides for ammunition support elements for 13 patrol craft equipped with MK 38 25MM guns.

FY95 PROGRAM JUSTIFICATION: These funds are required to support the Navy SOF patrol craft requirements for training and war reserve and provide production engineering, product improvement, component renovation, and gauges.

The P-20 exhibits (Requirements Study) are classified documents and can be submitted upon request.

AMMUNITION COST ANALYSIS (Dollars in Thousands)

P-1 LINE ITEM
SOF PLATFORM GUN AMMUNITION

DATE: FEBRUARY 1994

ELEMENT OF COST	FY 93 QTY	FY 93 UNIT COST	FY 93 TOTAL	FY 94 QTY	FY 94 UNIT COST	FY 94 TOTAL	FY 95 QTY	FY 95 UNIT COST	FY 95 TOTAL
1. AC-130 GUNSHIP AMMUNITION									
HARDWARE									
105MM, HIGH EXPLOSIVE, C342	12,302	0.15420	1,897	14,431	0.15244	2,200	14,651	0.15125	2,216
SUBTOTAL			1,897			2,200			2,216
2. AC-130 GUNSHIP 25MM AMMUNITION									
HARDWARE									
25MM AMMUNITION, HEI	469,643	0.02800	13,150				302,714	0.02800	476
25MM TP	894,658	0.01167	10,443	321,593	0.01167	3,753	172,236	0.01167	2,010
MK732 FUZE, PROXIMITY							11,111	0.07200	800
SUBTOTAL			23,593			3,753			11,286
3. AC-130 GUNSHIP PGU A/B REFUZING									
HARDWARE									
FUZES				168,421	0.02375	4,000	408,042	0.02375	9,691
SUBTOTAL						4,000			9,691
4. OTHER SHIP GUN AMMUNITION									
HARDWARE									
DE200 25MM CARTRIDGES				VAR		451	VAR		634
DE300 40MM CARTRIDGES (GRENADES)	VAR		3,647	VAR		2,216	VAR		2,083
DE400 60MM CARTRIDGES	VAR		3,113	VAR		2,577	VAR		2,695
DE500 81MM CARTRIDGES	VAR		43				VAR		426
DE600 ROCKETS	VAR		4,229						
DE830 PRODUCT ENGINEERING			266			276			293
DE850 PRODUCT IMPROVEMENT			1,243			455			65
DE893 RENOVATION COMPONENTS			93			96			99
DE894 GAUGES			23			24			24
SUBTOTAL			12,657			6,095			6,319
5. PATROL CRAFT AMMUNITION									
HARDWARE									
DE200 25MM CARTRIDGES				VAR		4,731	VAR		4,590
DE710 SEA GNAT CHAFF				VAR		1,914	VAR		4,120
DE830 PRODUCTION ENGINEERING						264			274
DE893 RENOVATION COMPONENTS						75			
SUBTOTAL						6,984			8,984
P-1 LINE ITEM TOTAL			38,147			23,032			38,496

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1994	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE SOF INDIV WEAPONS AMMUNITION			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)		17.353	12.597	10.188	11.224	12.030	12.057	12.544

MISSION AND DESCRIPTION: This program provides ammunition in support of the Army and Navy component for Special Operations Forces. 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. The primary mission will be to defeat personnel and fortifications.

1. RANGER ANTI-ARMOR/ANTI-PERSONNEL WEAPONS SYSTEM (RAAWS): RAAWS was procured to replace the M67 Recoilless Rifle. RAAWS ammunition was purchased to provide basic loads (pre-rigged bundles for emergency deployment of Ranger forces containing all classes of supply) and annual training requirements.

2. LANDING PARTY AMMUNITION: Funds provide support to surface, air, ground, and underwater Navy special warfare requirements for training, combat exercises, and rescue operations.

FY95 PROGRAM JUSTIFICATION: The funds are required to procure components, load and assemble complete rounds, and conduct acceptance tests. Ammunition supports peacetime expenditures consisting of re-supply reserve quantities; specified combat reserve quantities; and inter-theater shipping losses. Funds also provide for production engineering, product improvements, and gauge procurement.

The P-20 exhibits (Requirements Study) are classified documents and can be submitted upon request.

AMMUNITION COST ANALYSIS (Dollars in Thousands)

P-1 LINE ITEM
SOF INDIV WEAPONS AMMUNITION

DATE: FEBRUARY 1994

ELEMENT OF COST	FY 93			FY 94			FY 95		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
1. RAAWS AMMUNITION									
HARDWARE									
LOAD, ASSEMBLE, AND PACK	3,066	0.82420	2,527						
SUBTOTAL			2,527						
PRODUCTION SUPPORT									
PRODUCTION ENGINEERING			210						
QUALITY ASSURANCE			40						
INTERIM TRANSPORTATION			12						
INDUSTRIAL STOCK SUPPORT			37						
CAWCF GAIN/LOSS SURCHARGE			123						
SUBTOTAL			422						
TOTAL			2,949						
2. LANDING PARTY AMMUNITION									
HARDWARE									
DF100 SHOTGUN CARTRIDGES	VAR		1,505	VAR		1,376	VAR		340
DF200 5.56MM CARTRIDGES	VAR		2,727	VAR		1,415	VAR		3,909
DF400 7.62MM CARTRIDGES	VAR		3,590	VAR		3,932	VAR		2,727
DF500 9MM CARTRIDGES	VAR		1,030	VAR		848	VAR		952
DF600 .38 CAL CARTRIDGES	VAR		19	VAR		26	VAR		35
DF700 .45 CAS CARTRIDGES	VAR		156	VAR		487	VAR		468
DF800 .50 CAL CARTRIDGES	VAR		4,538	VAR		2,828	VAR		1,232
DF150 GREN/MINES	VAR		419	VAR		1,252	VAR		81
DF830 PRODUCTION ENGINEERING			275			241			248
DF850 PRODUCT IMPROVEMENTS			95			98			101
DF892 NON-STANDARD ITEMS			50			94			95
SUBTOTAL			14,404			12,597			10,188
P-1 LINE ITEM TOTAL			17,353			12,597			10,188

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1994	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE COMM EQUIPMENT & ELECTRONICS			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)		58.547	50.185	15.895	41.083	38.275	38.026	47.670

MISSION AND DESCRIPTION: This program provides for communication systems to support Special Operations Forces (SOF). The SOF units' mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. Operating independently in denied areas, 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. The following information outlines a description of each system, and its FY95 justification. TOA in FY95 caused several communications programs to be reduced, descoped or deferred from the levels as displayed in the FY94 President's Budget Submission.

1. HF MANPACK RADIOS: Improved Special Operations Forces HF Manpack Radio ISHFMR radio is a 20 watt manpack which replaces the aging PRC-104. It has an internal modem which provides automatic link establishment (ALE) and COMSEC data capability. An adaptive capability allows optimal frequency management.

FY95 PROGRAM JUSTIFICATION: The system allows SOF to decrease logistics requirements for HF Manpack Radios and Base Stations through standardization of radio/tra mitter units. This system reduces dependency on UHF satellite communications for long range C3. This improved radio weighs 12 pounds contained within 400 cubic inches, reflecting considerable reductions from older HF radios and supporting systems weighing 44 pounds with a volume of 1000 cubic inches.

2. SATCOM PREAMPS: The PTPE-101/201 preamplifier filters out spurious signals in the 225-270 MHZ range.

3. GPS MODS: The GPS provides a means for accurately determining ground team locations. This is vital when resupplying a ground team and when setting up an LZ/DZ. This modifies 2-channel systems to 6-channel.

4. AFSOC LAN UPGRADE: Procures a Local Area Network (LAN) capability to integrate elements of the current and future automated data processing equipment to support the efficient interchange of information at HQ AFSOC and annexes.

FY95 PROGRAM JUSTIFICATION: Program continues the expansion/upgrade of the command LAN. Component SOF forces must be able to perform detailed planning to conduct operations directed by the National Command Authority. The OPSEC sensitivity of SOF operations dictates a closed, discrete, community C3I system. This completes the procurement buy.

5. LMR CONTROLLER: Procures a dedicated, single site Land Mobile Radio Controller for the 16th SOW, Hurlburt Field, FL which eliminates dependency on the current controller located at Eglin AFB. This capability is essential to increase unit flexibility, and command and control capabilities. When fielded by the 16th SOW, the unit will control use of the land mobile radio system to enhance sortie generation and mission accomplishment.

6. TACTICAL SWITCHBOARDS: This program buys the SB-3614(VI) digital switchboard used at the AFSOC and AFSOD. It has a 30-line capability for direct dial telephone access.

7. INMARSAT: The International Maritime Organization Satellite Terminal (INMARSAT-ST) is a non-developmental item (NDI) using an existing system already in use for commercial applications. INMARSAT-STs are required to reduce dependency on UHF satellite communications for long-range noncombatant missions. Logistics and humanitarian requirements such as communications required by embassy liaisons, foreign internal defense,

BUDGET ITEM JUSTIFICATION SHEET	DATE: February 1994
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2	P-1 ITEM NOMENCLATURE COMM EQUIPMENT & ELECTRONICS

disaster relief efforts, search and rescue coordination, and administrative support have congested SOF UHF tactical satellite C2 nets. Since deployed SOF are allocated extremely limited access to UHF satellite assets to meet all or their long-range requirements, a non-UHF system must be procured.

FY95 PROGRAM JUSTIFICATION: Funds will continue the NDI-procurement of INMARSAT-STs for SOF components.

8. DATA BURST DEVICE: This program procures the next generation data burst which will replace the DMDG and PSC-2. The handheld terminal unit (HTU) will have a radio and computer port interface for expedient transmission of data.

9. TACTICAL FACSIMILE: This program buys small, lightweight, facsimilies for deployed communications units and special tactics teams.

10. SCAMPI: This program continues the expansion of SCAMPI/Data Broadcast Switch (DBS) to 36 sites. Component and theater SOF forces must receive unique command, control, communications and intelligence (C3I) information to be able to perform detailed planning to conduct operations directed by the National Command Authority. This planning and Operational Security (OPSEC) sensitivity of SOF operations necessitates secure, discrete, rapid, high capacity telecommunications services to transmit the required C3I to SOF forces in garrison and at deployed locations such as Joint Special Operations Task Force (JSOTF) and Special Forces Operating Bases (SFOB).

FY95 PROGRAM JUSTIFICATION: Funds continue to procure equipment for in garrison SCAMPI connectivity into the Theater SOCs, complete the IDNX hub retrofit at Ft. Bragg, and procure two tactical gateways.

11. USSOCOM COMMAND LAN: This program continues the evolution of automatic data processing (ADP) throughout USSOCOM headquarters and extension to the component commands. As established in the USSOCOM approved Local Area Network (LAN/WAN) Architecture, users must have the capability to archive large textual data efficiently, ensuring managability and rapid retrieval of data. This will be accomplished with the acquisition and implementation of optical disk storage devices and accompanying software. Due to the multiplicity of databases and the need to share information, software to access these databases and summarize pertinent data for critical decision making must be acquired. The employment of such analysis is possible through the Executive Information System (EIS), also approved in the LAN/WAN architecture. As USSOCOM headquarters personnel deploy or augment deployments, deployable LAN equipment is necessary to interface with Theater CINCs and to pull data from garrison databases.

FY95 PROGRAM JUSTIFICATION: Continue to procure three (3) multi-level security devices; a computer capable of robust graphic/multi-media functionalities that will operate over a dedicated LAN backbone as part of the command EIS; multi-media software; connectivity of Army Aviation Support Element (AASE), D-Cell, and the Army Library once multi-level security has been established; migration to the Government Open System Interconnect Protocol (GOSIP) mandated universal mail (x.400); and the purchase and installation of routers and bridges to extend the data exchange capabilities and alternate routing provided by SCAMPI.

12. GARRISON C3I: This program extends USSOCOM communications to forward deployed SOF elements beyond the SOCs to provide the SOF unique C3I to support mission planning and execution. This extends the Special Operations Command Research, Analysis and Threat Evaluation System (SOCRATES) to the locations identified in the SOF Planning and Rehearsal System (SOFPARS) Operational Requirements Document and it will support the SOF Intelligence Van. It provides SCAMPI connectivity to the centralized SOFPARS that will be used to train personnel in SOF mission planning. It funds the preplanned product improvement of the tactical gateways to provide a full T1 bandwidth.

FY95 PROGRAM JUSTIFICATION: Funds procure two sets of statistical multi-plexers that deploying communications units can use to interface with SCAMPI and will provide communications support to JSOTFs, SFOBs, etc. It procures two suites of SCAMPI equipment, one to support the SOFPARS facility and the second to provide full SCAMPI connectivity to a site that has only a limited capacity. It also procures equipment to extend SOCRATES to five (5) forward deployed SOF sites.

13. AN/PRC-137 RADIO SYSTEM: The AN/PRC-137 system provides SOF an interim solution to the JASORS requirement for a lightweight, LPI/LPD manpack HF radio. The system consists of the AN/PRC-137 radio and the AN/TRQ-43 base station, and provides hardware improvements, software documentation, and initial spares.

BUDGET ITEM JUSTIFICATION SHEET	DATE: February 1994
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2	P-1 ITEM NOMENCLATURE COMM EQUIPMENT & ELECTRONICS

14. VIDEO TELECONFERENCE FACILITY (VTC): VTC Phase I provides video teleconferencing capability linking HQ USSOCOM with AFSOC, NAVSPECWARCOM, USASOC, JSOC, and the WO. Using SCAMPI as the transmission backbone, VTC will support three, simultaneous conferences.

15. MULTI-FUNCTION RADAR TRANSPONDER BEACON (AN/PPN-19): Is a self-contained, lightweight, manportable unit, designed to respond to aircraft radar interrogations with a coded information reply, transferring ground location information to the aircraft. Its three-band capability will replace three transponders. The AN/PPN-19(V) provides the SOF and others with the capability of terminal guidance for weapons delivery and drop zone location.

16. SPECIAL COMMUNICATIONS AIRCRAFT WIRELESS INTERCOM SYSTEM (AWIS): AWIS allows reliable communications between SO aircraft crew members both external and internal to the aircraft, without the need for a physical hardwire connection between the crew member and the aircraft. AWIS is self-contained, portable, lightweight, and easily interchangeable between the various SO aircraft.

17. THEATER SOCS: Theater Special Operations Commands (SOCs) Contingency Communications Support provides a solution to the SOCs requirement for an organic, initial, rapid response and sustained contingency communications support package. This capability is required to support the deployed SOC element prior to the establishment, if required, of a Joint Special Operations Task Force (JSOTF). The goal is to provide the SOCs with communications systems that can be supported with their present manpower capability, since no additional manpower authorizations accompanied the FY93 appropriation.

FY95 PROGRAM JUSTIFICATION: Funds will continue the procurement of Theater SOCs communications systems. Theater SOCs communications will be based upon a prioritized "roadmap" of individual SOCs requirements.

18. MINIATURE MULTIBAND BEACON (MMB): The MMB provides a man-portable radar transponder beacon operating in the Ku, Ka and I bands that responds to interrogation from aircraft/shipboard radars. It provides enroute navigation, deep zone location and point designation for accurate delivery of ordnance.

19. AN/PRC-117D: The AN/PRC-117D is a multi-band radio operating in the VHF FM (30-90MHz), VHF AM/FM (116-174 MHz), UHF FM/AM (225-420 MHz) and SATCOM (243-319MHz) bands. Compatible with virtually all currently deployed VHF/UHF radios, the AN/PRC-117D features built-in ECCM frequency hopping and NSA-endorsed KY-57/KY-58 compatible COMSEC in all bands. The FY95 requirement was not funded in response to PBD#623.

20. TACSAT SATELLITE MANPACK UHF TERMINAL (TACSAT): The TACSAT is a lightweight, manportable, single channel ultra-high frequency (UHF) receiver/transmitter that will be used by SOF units in a variety of missions requiring line-of-sight communications and satellite communications in AM/FM modes. This terminal will be used by SOF units in a variety of mission scenarios, including operations in denied areas.

FY95 PROGRAM JUSTIFICATION: Modification to upgrade current inventory to both UHF and demand assigned multiple access (DAMA) capability. Without this upgrade, SOF cannot communicate with other SOF conventional forces.

21. SMALL DIGITAL SWITCH (SDS): Is a downsized, transportable, tactical, all digital circuit switch based on TRI-TAC technology. Due to its small size and versatility the SDS meets a wide-variety of applications including those which subscriber affiliation with the Army's Mobile Subscriber Equipment (MSE) system. The SDS is fully interoperable with all presently fielded digital switches, it is EMI/TEMPEST protected and can be installed in an S-250 shelter or configured in dual-transport cases.

22. SO POWER SUPPLY ASSEMBLEY (SOPSA) (OP-177/U): SOPSA is a family of small, lightweight durable electric power sources (solar panels, AC/DC power converters and a hand-cranked generator) with interconnecting cables and adapters to support the recharging of SOF rechargeable batteries contained in SOF outstation communications equipment (e.g. AN/PIH-1, AN/PRC-132).

23. UHF/AM RADIO AN/PRC-113: The AN/PRC-113 is a manpackable VHF/AM radio used for forward area control, air traffic control and airlift support operations. Primarily, NSW uses this radio for close air support between ground forces and rotary wing aircraft.

BUDGET ITEM JUSTIFICATION SHEET	DATE: February 1994
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2	P-1 ITEM NOMENCLATURE COMM EQUIPMENT & ELECTRONICS

24. SPECIAL OPERATIONS COMMUNICATIONS ASSEMBLAGES (SOCA): The SOCA system uses advanced technology components which can be packaged in four suitcase type containers, weighing 565 pounds (original system weighed 1247 pounds). The voice capability includes: Continued Variable Slope Delta (CVSD) wideband voice/UHF compatible with KY-57 encryption device; narrowband voice/HF compatible only with itself (will be compatible with the Automatic Network Digital Voice Terminal (ANDVT) when retrofitted with the indicated chipset). The data capabilities include wideband/UHF compatible with the KY-57, and narrowband compatible with itself.

25. ARMY SPECIAL OPERATIONS COMMAND NETWORK (ASOCNET): 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 DDN network with the ability to access other government systems. The CAC is located at Ft Bragg with connectivity to other SOF CONUS and OCONUS locations. ASOCNET combines both SOFNET and the SSNET management system.

FY95 PROGRAM JUSTIFICATION: U.S. Army Special Operations Command requires an automated information management system supported by a communication network to improve and facilitate the command and control, readiness and management of its mission responsibilities. This system will significantly improve operational capability through the necessary interchange of both classified and unclassified information designed to enhance operational readiness system reliability, maintainability, and security.

26. SURVIVAL RADIO: The AN/PRC-112 is a lightweight (28 ozs.), multi-mission, UHF transceiver. The radio acts as a transponder, supplying ranging and personnel identification information. When operated in concert with the interrogator, the user's location can accurately be determined within 100 nm.

27. AM-7175 AMPLIFIER: The AM-7175 UHF power amplifier provides NSW units with a solid-state unit providing up to 200 watts of power in the 225-400 MHz band. This unit is compatible with a variety of modulation schemes including AM, FM and CW. Designed for use in a maritime environment, the AM-7175 is sealed in a weather-resistant housing to permit continuous operation in virtually all weather conditions.

28. TASK GROUP C3 VAN UPGRADES: These vans are the "work horses" of the Naval Special Warfare (NSW) community, providing essential communications between the platoon and the Task Group. The upgrades provide improved SOF interoperability and fleet compatibility through change-out of antiquated equipment and addition of state-of-the-art C-E units.

29. TASK UNIT C3 VAN COMM SYSTEM: 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. Communications electronics will be highly modularized, internally configured suite allowing for rapid installation and/or removal of individual equipment or the entire suite in support of mission specific scenarios.

30. SOF MODULAR/MOBILE COMMUNICATIONS (MOD COMM/MOBILE COMM): These are palletizable communications suites for NSW and AFSOC operations. The NSW communications suite is broken down into two subsystems giving Task Units the ability to receive compartmented information for operations planning. The AFSOC mobile communications package will be small enough (48"x50"x48") to be transportable in the back of a vehicle or load onto a 463L aircraft pallet.

FY95 PROGRAM JUSTIFICATION: The AFSOC mobile communications package replaces the Special Communications Integrated Package (SCIP) which has become logistically unsupportable. The mobile communications package will provide a lightweight, highly transportable communications suite fielded by Special Operations Communications Flights (SOFCs).

31. NVIS OPTICS INDIVIDUAL SERVE SIGHTS: This night vision system is used to provide improved night vision using available light for observation and aimed fire of weapons. There are two system that are required: a day/night weapons scope that allows the marksman to use one sight for 24-hour operation without having to change systems, and a KN200/250-type system which provides improved night vision for observation and aimed fire of weapons. This system has been adapted by NSW for use with the 10X day scope and currently fielded rangefinders.

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32. PBR C3 UPGRADES: This upgrade replaces the old, HF only, VRC-46 (two per craft) with the URC-94 (two per craft), a VHF/HF radio.

FY95 JUSTIFICATION: Continues to upgrade PBR craft that primarily operates in South America. Current radios are limited in reliability and range.

33. NSW FIXED BASE STATION: Provides for an administrative base station at the unit and detachment level to monitor exercises, training, and requalification activities and serve as a safety net.

34. NIGHT VISION GOGGLES: NVGs provide improved night vision using available light to enable the user to operate in no light/low light tactical conditions. NVGs can also be used in conjunction with aiming devices.

35. RIB COMM BOX/TACTICAL RADIO SYSTEM: Provides NSW Rigid Inflatable Boats (RIBs) with a 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 and single multi-frequency antenna which consolidates existing antenna.

FY95 PROGRAM JUSTIFICATION: Provides environmental protection as well as integration of the radio system into an intercom system that allows for communications throughout the vessel. The helmet provides protection as well as a means to communicate with the individual.

36. PRECISION LIGHTWEIGHT GLOBAL POSITIONING SYSTEM RECEIVER (PLGR): This Precision Lightweight Global Positioning System Receiver is a space based, three-dimensional positioning system that has revolutionized worldwide navigation. Additionally, this DOD-approved system includes Selective Availability (SA) and Anti-Spoofing (AS) that gives the military pinpoint accuracy for navigation and weapons delivery.

37. I-TEAM RADIO: Provides intra/inter-team radios for SOF components. The Motorola Sabre I radio is a hand-held VHF UHF line-of-sight radio capable of carrying 12 preset frequencies for short distance, intra-team and intra-squad use. The Multi-Band Inter/Intra Team Radio (MBITR) will eliminate the need for multiple radios currently required to support Special Tactics units performing air traffic control instructions, flight data, artillery advisories, FARRP operations and liaison communications with the ground force commander.

FY95 PROGRAM JUSTIFICATION: Provides initial procurement of MBITRs for Special Tactics units.

38. VHF/FM SINCGARS UPGRADE: Integration of SINCGARS is required to meet interoperability, embedded COMSEC, and ECCM requirements as defined by MIL-STD-118-243. This upgrade will afford direct interoperability between designated SOF forces and conventional forces.

39. POCKETSCOPE: These handheld sights provide improved night vision using available light to enable the user to perform tasks such as reading and short-range observation.

40. NAVY HQ MANAGEMENT: Provides upgrades for the Naval Special Warfare Center (NSWC) Local Area Network (LAN).

FY95 PROGRAM JUSTIFICATION: This program funds upgrades to the NSWC LAN capability which will permit integration of elements of current and future automated data processing equipment required to support the efficient interchange of information at COMNAVSPECWARCOM and subordinate commands.

41. SOF LASER MARKER (SOFLAM): SOFLAM is a small, lightweight target marker capable of marking area targets to 5 km and rangefinding to 10 km. The system is capable of remote or manual operation and is battery powered. SOFLAM will weigh approximately 9 lbs and have a volume of less than 450 cubic inches, reflecting considerable reductions in weight and size from the current marker.

42. SOF TACTICAL ASSURED CONNECTIVITY SYSTEMS (SOFTACS) 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,

BUDGET ITEM JUSTIFICATION SHEET	DATE: February 1994
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2	P-1 ITEM NOMENCLATURE COMM EQUIPMENT & ELECTRONICS

communications, computer, and intelligence systems.

FY95 PROGRAM JUSTIFICATION: The fielding of command, control, computer and intelligence systems currently under development will render the existing SOF tactical communications infrastructure incapable of supporting deployed SOF. These systems include the SOF Intelligence Van, Man-Transportable SOCRATES, the Joint Worldwide Intelligence Communicaitons System, the Psychological Operations Analysis System, the Psychological Operations Automated Data System, and the Special Operations Forces Planning and Rehearsal System. The SOFTACS program will procure the initial elements of a theater set of equipment to support these and other systems. These systems will also assist in making the most efficient use of the limited transmission capacity available between the JSTOF and subordinate echelons.

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B.APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE COMM EQUIPMENT & ELECTRONICS					
ELEMENT OF COST	IDENT CODE			TOTAL COST IN THOUSANDS OF DOLLARS					
				FY 93		FY 94		FY 95	
(1)	(2)			QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)
1. HF MANPACK RADIOS (ISHFMR)	A								
A. HARDWARE				535	13,299	365	5,777	207	3,922
2. SATCOM PREAMPS	A								
A. HARDWARE				30	180				
3. GPS MODS	A								
A. HARDWARE				25	24				
4. AFSOC LAN UPGRADE	A								
A. HARDWARE						VAR	397		
5. LMR CONTROLLER	A								
A. HARDWARE						1	73		
6. TACTICAL SWITCHBOARDS	A								
A. HARDWARE						10	522		
7. INMARSAT	A								
A. HARDWARE				VAR	1,543	VAR	857	VAR	546
8. DATA BURS' DEVICES (HTU)	A								
A. HARDWARE				18	431	17	387		

PROGRAM COST BREAKDOWN | A. DATE: February 1994

B. APPROPRIATION/BUDGET ACTIVITY
PROCUREMENT, DEFENSE AGENCIES/2

C. P-1 ITEM NOMENCLATURE
COMM EQUIPMENT & ELECTRONICS

ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
				Y 93		FY 94		FY 95	
(1)	(2)			QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)
9. TACTICAL FACSIMLE	A								
A. HARDWARE				65	525				
10. SCAMPI	N/A								
A. HARDWARE				VAR	2,966	VAR	903	VAR	568
11. USSOCOM COMMAND LAN	N/A								
A. HARDWARE				VAR	875	VAR	959	VAR	305
12. GARRISON C31	N/A								
A. HARDWARE						VAR	1,027	VAR	490
13. AN/PRC-137	N/A								
A. HARDWARE						VAR	10,436		
14. VIDEO TELECONFERENCE FACILITY (VTC)	N/A								
A. HARDWARE						VAR	3,535		
15. MULTI FUNCTION TRANSP. BEACONS AN/PPN-19	A								
A. PRODUCTION SUPPORT					100				
16. AIRCRAFT WIRELESS INTERCOM SYSTEM (AWIS)	B								
A. HARDWARE						150	3,356		
B. PRODUCTION SUPPORT							100		

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B.APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE COMM EQUIPMENT & ELECTRONICS					
ELEMENT OF COST	IDENT CODE			TOTAL COST IN THOUSANDS OF DOLLARS					
				FY 93		FY 94		FY 95	
(1)	(2)			QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)
17. THEATER SOCS	N/A								
A. HARDWARE				VAR	6,500	VAR	7,406	VAR	2,031
18. MINIATURE MULTIBAND BEACON (MMB)	B								
A. HARDWARE						VAR	2,469		
19. AN/PRC-117D	A								
A. HARDWARE						477	4,317		
20. TAC SAT MNPK UHF TERMINAL (TACSAT)	B								
A. HARDWARE (MST-20)				272	3,924			7	139
B. PRODUCTION SUPPORT					150				
21. SMALL DIGITAL SWITCH (SDS)	N/A								
A. PRODUCTION SUPPORT					2,000				
22. SO POWER SUPPLY ASSEMBLEYS (SOPSA)	B								
A. OP-177U COMPONENTS				311	1,937				
B. OP-177U RETROFIT KITS				25	68				
C. 667/BG GENERATORS				311	1,468				
D. PRODUCTION SUPPORT					465				
23. UHF/AM RADIO (AN/PRC-113)	A								
A. HARDWARE				747	6,243	180	1,500		

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE COMM EQUIPMENT & ELECTRONICS					
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
				FY 93		FY 94		FY 95	
(1)	(2)			QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)
24. SO COMMUNICATIONS ASSEMBLAGES (SOCA)	A								
A. PRODUCTION SUPPORT					466				
25. ARMY SOC NETWORK (ASOCNET)	B								
A. HARDWARE				VAR	1,405	VAR	571	VAR	1,644
26. SURVIVAL RADIO (AN/PRC 112)	A								
A. HARDWARE				94	584				
27. AM-7175 AMPLIFIER	A								
A. HARDWARE						20	360		
28. TASK GROUP C3 VAN UPGRADES	B								
A. HARDWARE						1	581		
29. TASK UNIT C3 VAN COMM SYSTEM	B								
A. HARDWARE				4	4,800				
30. MODULAR COMM	A								
A. HARDWARE				VAR	165			VAR	900
31. NVIS OPTICS INDIVIDUAL SERVE SIGHTS	B								
A. HARDWARE				100	800				

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2		C. P-1 ITEM NOMENCLATURE COMM EQUIPMENT & ELECTRONICS							
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
				FY 93		FY 94		FY 95	
(1)	(2)			QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)
32. PBR C3 UPGRADE	A								
A. HARDWARE				1	65	2	130	2	130
B. INSTALLATION					25		39		26
33. NSW FIXED BASE STATION	A								
A. HARDWARE				4	720	1	190		
34. NIGHT VISION GOGGLES	B								
A. HARDWARE				110	1,230				
35. RIB COMM BOX/TACTICAL RADIO SYSTEM	A								
A. HARDWARE				18	360			31	635
36. PREC LTWT GLOBAL POS SYS RECEIVER (PLGR)	A								
A. HARDWARE				907	1,361				
37. I-TEAM RADIO (MB/MM RADIO TEAM RADIO)	B								
A. HARDWARE				185	925			100	725
38. AN/PRC-117B/C SINCGARS UPGRADE	N/A								
A. HARDWARE				25	125	458	2,422		
B. PRODUCTION SUPPORT					80				
C. TESTING					195				

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE COMM EQUIPMENT & ELECTRONICS					
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
				FY 93		FY 94		FY 95	
(1)	(2)			QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)
39. POCKETSCOPE	A								
A. HARDWARE				150	600				
40. NAVY HQ MANAGEMENT	N/A								
A. NAVY LAN UPGRADES						VAR	296	VAR	278
41. SOF LASER MARKER (SOFLAM)	B								
A. PRODUCTION SUPPORT					1,500		1,575		
42. SOFTACS									
A. HARDWARE								VAR	3,556
43. OSD REDUCTION									
A. REDUCTION	N/A				443				
LINE ITEM TOTAL					58,547		50,185		15,895

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE COMM 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 (ISHFMR)										
A. HARDWARE										
FY 93	UNKNOWN	C/FP	NESEA	JUN 94	DEC 94	535	24.858	YES	NO	
FY 94	UNKNOWN	OPTION	NESEA	MAR 95	JUN 95	365	15.827	YES	NO	
FY 95	UNKNOWN	OPTION	NESEA	MAR 95	JUN 95	207	18.947	YES	NO	
2. SATCOM PREAMPS										
A. HARDWARE										
FY 93	MOTORALA SCOTTSDALE AZ	C/FP	NESEA	JUN 93	SEP 93	30	6.000			
3. GPS MODS										
A. HARDWARE										
FY 93	SM-ALC SACRAMENTO CA	C/FP	SM-ALC	MAR 93	AUG 93	25	0.960			
5. LMR CONTROLLER										
A. HARDWARE										
FY 94	UNKNOWN	C/FP	NESEA	MAY 94	NOV 94	1	73.000	YES	NO	
6. TACTICAL SWITCHBOARDS										
A. HARDWARE										
FY 94	UNKNOWN	C/FP	NESEA	DEC 93	JUN 94	10	52.200			

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE COMM 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
8. DATA BURST DEVICES (HTU)										
A. HARDWARE										
FY 93	LITTON VAN NEYS CA	C/FP	NESEA	APR 93	DEC 93	18	23.944			
FY 94	LITTON VAN NEYS CA	OPTION	NESEA	JAN 94	OCT 94	17	22.765	YES	NO	
9. TACTICAL FACSIMLE										
A. HARDWARE										
FY 93	CRYPTEX PHOENIX AZ	C/FP	NESEA	APR 93	OCT 93	65	8.077			
16. AIRCRAFT WIRELESS INTERCOM SYSTEM (AWIS)										
A. HARDWARE										
FY 94	UNKNOWN	C/FP	USSOCOM	MAY 94	AUG 94	150	22.373	NO	NO	
19. AN/PRC-117D										
A. HARDWARE										
FY 94	HARRIS ROCHESTER, NY	C/FP	USSOCOM	MAY 94	NOV 94	477	9.050	YES	NO	
20. TAC SAT MNPK UHF TERMINAL (TACSAT)										
A. HARDWARE (MST-20)										
FY 93	CINCINNATI ELEC CINCINATTI OH	C/OPTION	PEO COMMS	DEC 92	JUN 93	272	14.426			
FY 95	UNKNOWN	C/FP	PEO COMMS	DEC 94	JUN 95	7	19.857	YES	NO	

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE COMM 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
22. SO POWER SUPPLY ASSEMBLEYS (SOPSA)										
A. OP-177U COMPONENTS FY 93	FREZZOLINI ELEC HAWTHORNE NJ	C/FP	CECOM	MAY 93	SEP 94	311	6.228			
B. OP-177U RETROFIT KITS FY 93	FREZZOLINI	OPTION	CECOM	NOV 94	APR 94	25	2.720	YES	NO	
C. 667/BG GENERATORS FY 93	US ARMY RES LAB ADELFIA, MD	MIPR	CECOM	MAY 93	APR 94	311	4.720			
23. UHF/AM RADIO (AN/PRC-113)										
A. HARDWARE FY 93	MOTOROLA SCOTTSDALE AZ	SS/FP	NESEA	FEB 94	NOV 94	747	8.357	YES	NO	
FY 94	MOTOROLA SCOTTSDALE AZ	OPTION	NESEA	MAY 94	JAN 95	180	8.333	YES	NO	
26. SURVIVAL RADIO (AN/PRC 112)										
A. HARDWARE FY 93	MOTOROLA SCOTTSDALE AZ	C/OPTION	CECOM	MAY 93	JAN 94	94	6.213			
27. AM-7175 AMPLIFIER										
A. HARDWARE FY 94	CINCINATTI ELEC CINCINATTI, OH	C/FP	NESEA	APR 94	OCT 94	20	18.000	YES	NO	

BUDGET PROCUREMENT HISTORY AND PLANNING

A. DATE: February 1994

B. APPROPRIATION/BUDGET ACTIVITY
PROCUREMENT, DEFENSE AGENCIES/2

C. P-1 ITEM NOMENCLATURE
COMM 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
28. TASK GROUP C3 VAN UPGRADES										
A. HARDWARE										
FY 94	TRACOR ST INIGOES MD	C/FP	NESEA	MAY 94	MAY 95	1	581.000	YES	NO	
29. TASK UNIT C3 VAN COMM SYSTEM										
A. HARDWARE										
FY 93	TRACOR ST INIGOES MD	C/FP	NESEA	MAR 93	OCT 94	4	1,200.000			
31. NVIS OPTICS INDIVIDUAL SERVE SIGHTS										
A. HARDWARE										
FY 93	KIGRE HILTON HD SC	SS/FP	NWSCC	APR 93	SEP 93	100	8.000			
32. PBR C3 UPGRADE										
A. HARDWARE										
FY 93	HARRIS ROCHESTER NY	C/OPTION	SPAWAR	APR 93	AUG 93	1	65.000			
FY 94	HARRIS ROCHESTER NY	C/OPTION	SPAWAR	JAN 94	JUL 94	2	65.000	YES	NO	
FY 95	HARRIS ROCHESTER NY	C/OPTION	SPAWAR	JAN 95	JUL 95	2	65.000	YES	NO	
33. NSW FIXED BASE STATION										
A. HARDWARE										
FY 93	TRACOR ST INIGOES MD	C/FP	NESEA	MAR 93	DEC 93	4	180.000			
FY 94	TRACOR ST INIGOES MD	OPTION	NESEA	DEC 93	SEP 94	1	190.000	YES	NO	

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE COMM 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
34. NIGHT VISION GOGGLES										
A. HARDWARE FY 93	LATHON	C/FP	NSWCC	MAR 93	NOV 93	110	11.182			
35. RIB COMM BOX/TACTICAL RADIO SYSTEM										
A. HARDWARE FY 93	VARIOUS	C/FP	NESEA	SEP 93	JAN 94	18	20.000			
FY 95	VARIOUS	C/FP	NESEA	DEC 94	APR 95	31	20.484	YES	NO	
36. PREC LTWT GLOBAL POS SYS RECEIVER (PLGR)										
A. HARDWARE FY 93	ROCKWEL COLLINS	C/FP	GPS JPO	MAR 93	SEP 93	907	1.501			
37. I-TEAM RADIO (MB/MM RADIO TEAM RADIO)										
A. HARDWARE FY 93	MOTOROLA	C/FP	CRANE	JUN 93	OCT 93	185	5.000			
FY 95	UNKNOWN	C/FP	SOKO	APR 95	OCT 95	100	7.250	NO	NO	
38. AN/PRC-117B/C SINCGARS UPGRADE										
A. HARDWARE FY 93	HARRIS ROCHESTER NY	SS/FP	NAVSEA	MAY 93	SEP 93	25	5.000			
FY 94	HARRIS ROCHESTER NY	OPTION	NAVSEA	JAN 94	MAR 94	458	5.288	YES	NO	

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE COMM 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
39. POCKETSCOPE A. HARDWARE FY 93	VARO, Inc. DALLAS TX	C/FP	NAVSEA	APR 93	SEP 93	150	4.000			
D. REMARKS										

BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
COMMUNICATIONS EQUIPMENT AND ELECTRONICS

DATE FEBRUARY 1994

ITEM / MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FY92 CY92 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY93 CY92 OCT	NOV	DEC	CY93 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY94 CY93 OCT	NOV	DEC	CY94 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY95 CY94 OCT	NOV	DEC	CY95 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1 HF MANPACK RADIO (ISHFMRS)																																																					
FY94	J	365		365																																																		
FY95	J	207		207																																																	
16 AWIS																																																					
FY94	AF	150	30	120																																	A				15	15	15	15	15	15	15	15	15						
19 AN/PRC-117D																																																					
FY94	N	477		477																																	A						40	40	40	40	40	40	40	40	40	37			
38 AN/PRC-117B/C																																																					
FY94	J	458	280	178																															A		40	40	40	40	40	40	40	40	40	40	40	40	40	18					

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MIN SUST	1-8-5	MAX	RCH'D D +

PROCUREMENT LEAD TIME

INITIAL REORDER (Prev Source)	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MFNG TIME	TOTAL AFTER 1 OCT

REMARKS

A = CONTRACT AWARD

P 1 SHOPPING LIST, ITEM NO 59

PAGE 1 OF 1 PAGE

EXHIBIT P 21

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1994	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)		39.796	26.665	13.619	29.214	24.872	26.972	26.829

MISSION AND DESCRIPTION: This SOF budget line item consolidates all SOF intelligence requirements under one budget line item. It was created to better group similar SOF assets and respond to Tactical Intelligence and Related Activities (TIARA) reporting requirements. This program provides for various types of equipment to support Special Operations Forces Intelligence Systems. Funding for these types of systems prior to FY93 were contained in the Miscellaneous Equipment budget line item Special Operations Command, Research, Analysis and Threat Evaluation System (SOCRATES), SOF Intelligence Vehicle (SOF IV), Improved Remotely Monitored Battlefield Sensor System (IREMBASS) and Other Aircraft Modifications budget line item (Constant Source). The following information provides a more detailed description and justification of the various requirements. Due to the reduced obligation authority in FY95, several intelligence programs have been reduced, downscoped or deferred from the FY94 President's Budget.

A. ACQUISITION PROGRAMS

1. USSOCOM SOCRATES: Provides a wide range of mission-directed automated intelligence and imagery support to HQ USSOCOM and components and extension to USSOCOM mission support units, theater SOCs, and forward-deployed SOF. SOCRATES is comprised of several mainframe and mini computers internetted with a Sensitive Compartmented Information (SCI) Local Area Network 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 Defense Secure Network (DSNET)-3 gateways. Much of the data is acquired from national intelligence assets/databases and tailored to SOF needs. USSOCOM SOCRATES provides near-real-time intelligence to the SOF community. SOCRATES capabilities include data processing, secure voice/video conferencing, news and message traffic, video mapping, soft copy imagery processing and secondary imagery dissemination (SID). The five regional Unified Command SOF intelligence architectures prescribe SOCRATES capabilities. Without SOCRATES, the requesting, gathering, comparing, analyzing, and disseminating of intelligence data would continue to be a manpower intensive process that is not responsive to SOF mission planning and execution.

FY95 PROGRAM JUSTIFICATION: FY95 continues the procurement of workstations, fileservers, and network upgrades required to implement the DoD Integrated Intelligence System mandated transition to a Unix based, client-server environment.

2. SOF IV: Provides for the procurement of a mobile, tactical all-source intelligence processing and dissemination system. Provides the intelligence analyst with automated tools to support indications and warning, situation assessment, target analysis, mission planning, collection requirements management and imagery analysis. The SOF IV will receive, process, and manipulate near-real-time intelligence information, which will be combined with information resident in a variety of national/theater databases to produce a highly tailored, accurate, and timely intelligence product to support deployed SOF.

FY95 PROGRAM JUSTIFICATION: FY95 continues the procurement of SOF-IV systems. The proposed buy of 1 system in FY95 and the 2 systems purchased in FY94 are part of the current effort to procure 10 systems; however the total acquisition objective remains 27 systems.

3. IREMBASS: IREMBASS is an unattended sensor system monitored by SOF which will detect and classify intruding personnel and vehicles. It provides capability for SOF to monitor movement and information on activities in denied areas. It is light weight, has multi-sensor (magnetic, seismic/acoustic, infrared) capability, and consists of sensors, relays, and monitors. IREMBASS is an improved version of the REMBASS which was fielded in the early 1980s. The systems sensors, repeaters, and monitors are smaller and lighter than the original REMBASS by using state-of-the-art technology to meet SOF requirements. Because SOF units operate in denied areas, such as ahead of the Forward Line of Troops, SOF must be able to monitor opposing force movements on a 24 hour basis without unnecessary exposure to observation. These sensors monitor from a secure vantage point

BUDGET ITEM JUSTIFICATION SHEET	DATE: February 1994
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS

to provide SOF with the capability to safely observe opposing force movement and to provide early notification. Requirement is for sufficient systems to support nine SOF Groups.

4. SOF Imagery Receiver and Intelligence System (SOF IRIS): SOF IRIS is a man-portable, "S" band receive-only terminal that will provide a method of receiving near-real-time imagery, via established intelligence communications, at field location. The system will receive either SCI or collateral imagery products.

5. Multi-Mission Advanced Tactical Terminal (MATT): MATT enables combat forces to directly receive near-real-time operational intelligence products and threat information to support mission planning, updates, and execution. This information enables SOF to effectively avoid, defeat, or target enemy threat systems. The program develops a miniaturized multi-channel airborne qualified receiver/processing system (MATT) capable of incorporating both national and tactical data, and procures and integrates the receiver suite with aircraft avionics. Procurement and fielding of MATT will address the primary requirement for undetected infiltration and exit from operating areas and over the horizon threat warning.

FY95 PROGRAM JUSTIFICATION: FY95 continues the procurement of the MATT system. The total procurement objective is 274 units. Twenty five systems are included in FY95.

B. SUSTAINMENT PROGRAMS

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.

FY95 PROGRAM JUSTIFICATION: This program will ensure that national systems capabilities are continued to the SOC; that collection, processing and dissemination systems are procured by USSOCOM to satisfy SOC requirements; that inter-operability with existing and planned USSOCOM intelligence systems is accomplished; and that SOF training and life-cycle support requirements are incorporated in program execution plans. A congressional plus-up in FY94/95 provides for the initial baseline capabilities to be acquired on behalf of each Theater SOC. Equipment will be segregated into distinct classes of utility (i.e., contingency support equipment, intelligence communications equipment and imagery processing/production equipment) and procured in consolidated lots to minimize end item and installation/training costs.

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS					
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
				FY 93		FY 94		FY 95	
(1)	(2)			QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)
1. USSOCOM SOCRATES - ACQUISITION PROGRAM	N/A								
A. INTEGRATED WORKSTATIONS/PERIPHERALS	N/A			16	392	44	1,105	121	3,146
B. SYSTEM ENHANCEMENTS	N/A			VAR	368				
C. IMAGERY UPGRADES	N/A			VAR	121				
D. MTS	N/A					9	487	8	304
E. JWICS VIDEO TELECOM HARDWARE	N/A					VAR	412		
F. FILESERVER/NETWORK UPGRADES	N/A					VAR	598	VAR	1,617
G. FULCRUM	N/A					VAR	825		
2. SOF IV - ACQUISITION PROGRAM	N/A								
A. PRIME MISSION EQUIPMENT	N/A					2	2,966	1	1,484
B. PRODUCTION AND OTHER SUPPORT COSTS	N/A				361		530		437
3. IREMBASS - ACQUISITION PROGRAM	A								
A. HARDWARE	A			157	17,285				
B. ENGINEERING CHANGE ORDERS	A				40				
C. PRODUCTION AND OTHER SUPPORT COSTS	A				3,722				
4. SOF IRIS - ACQUISITION PROGRAM	N/A								
A. PRIME MISSION EQUIPMENT	N/A					12	2,355		
B. PRODUCTION AND OTHER SUPPORT COSTS	N/A						232		
5. MATT - ACQUISITION PROGRAM	A								
A. PRIME MISSION EQUIPMENT	A					16	3,306	16	1,806
B. PRODUCTION AND OTHER SUPPORT COSTS	A						1,704		1,815
C. MODIFICATION COSTS (See atch P3a)	A				9,800		9,183		2,500
D. PLATFORM INTEGRATION	A				4,707				

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS					
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
				FY 93		FY 94		FY 95	
				QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
(1)	(2)			(5)	(6)	(7)	(8)	(9)	(10)
6. THEATER SOC's - SUSTAINMENT PROGRAM	N/A								
A. PRIME MISSION EQUIPMENT	N/A				3,000		2,962		510
LINE ITEM TOTAL					39,796		26,665		13,619

P-1 SHOPPING LIST, ITEM NO. 60

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE SOF 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. USSOCOM SOCRATES - ACQUISITION PROGRAM										
A. INTEGRATED WORKSTATIONS/PERIPHERALS										
FY 93	ITC	SS/FP	USSOCOM	NOV 92	JAN 93	16	24.500			
FY 94	ITC	OPTION	USSOCOM	OCT 93	DEC 93	44	25.114			
FY 95	ITC	OPTION	USSOCOM	OCT 94	NOV 94	121	26.000	YES	NO	
D. MTS										
FY 94	UNKNOWN	C/FP	USSOCOM	MAR 94	MAR 95	9	54.111	NO		
FY 95	UNKNOWN	OPTION	USSOCOM	OCT 94	APR 95	8	38.000	NO		
2. SOF IV - ACQUISITION PROGRAM										
A. PRIME MISSION EQUIPMENT										
FY 94	UNKNOWN	C/FP	USSOCOM	MAY 94	MAY 95	2	1,483.000	NO		
FY 95	UNKNOWN	OPTION	USSOCOM	OCT 94	AUG 95	1	1,484.000	NO		
3. IREMBASS - ACQUISITION PROGRAM										
A. HARDWARE										
FY 93	MARTIN MARIETTA	SS/FP	CECOM	SEP 93	SEP 94	157	110.095			
4. SOF IRIS - ACQUISITION PROGRAM										
A. PRIME MISSION EQUIPMENT										
FY 94	HARRIS	SS/FP	USSOCOM	JUN 94	AUG 95	12	196.250	NO	NO	

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE SOF 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
5. MATT - ACQUISITION PROGRAM										
A. PRIME MISSION EQUIPMENT										
FY 94	ALLIEDSIGNAL	C/FFP	USSOCOM	OCT 93	OCT 94	16	206.625			
FY 95	ALLIEDSIGNAL	OPTION	USSOCOM	OCT 94	OCT 95	16	112.875	YES	NO	
D. REMARKS										

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: MATT, PHASE I

DATE: FEBRUARY 1994

MODELS OF SYSTEMS AFFECTED: MH-53J

DESCRIPTION/JUSTIFICATION:

This effort integrates the prototype MATT onto the existing Enhanced Navigation System (ENS) MIL-STD 1553 data bus to provide electronic order of battle information to the crew. The integration also adds a digital map system and multifuction color display. The program modifies the existing ENS computer, controls, and display systems and replaces the projected map and data transfer systems. The system architecture is designed to allow integration of other systems in the future, identified as a result of the Quiet Knight study effort.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

SOW: Jul 92; CCB: May 92; CMRB: Jul 92. (Aircraft Breakout: 0 ANG; 0 AFRES; 41 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY94		FY95		FY96		FY97		FY98		FY99		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E		2.9																2.9
PROCUREMENT																		
Installation Kits	1				1												2	
Installation Kit Nonrecurring		0.6				0.2												0.8
Equipment						0.4												0.4
Equipment Nonrecurring		1.8																1.8
Engineering Change Orders						1.3												1.3
Data		2.7		3.7														6.4
Test Article				1.0														1.0
Support Equipment																		
Software		4.7		4.5														9.2
Interim Contractor Support																		
Installation of Hardware																		
PYs																		
FY94																		
FY95																		
FY96						0.6												0.6
FY97																		
FY98																		
FY99																		
To Complete																		
Total Installation Cost						0.6												0.6
Total Procurement Cost		9.8		9.2		2.5												21.5

METHOD OF IMPLEMENTATION: DEPOT/DEPOT FIELD TEAM ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEADTIME: 10 MONTHS

CONTRACT DATE: Current Year: 1/94 Budget Year 1: N/A Budget Year 2: N/A

DELIVERY DATE: Current Year: 4/95 Budget Year 1: N/A Budget Year 2: N/A

BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
SOF INTELLIGENCE SYSTEMS

DATE FEBRUARY 1994

ITEM / MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	ASL	FY 92 CY 92 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 93 CY 93 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 94 CY 94 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 95 CY 95 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1 A SOCRATES INTEGRATED WORK STATION/ITC																																																							
FY95	DA	121	121	0																																								A	21	20	20	20	20	20							0
2 SOF IV																																																							
FY94	DA	2	0	2																						A													1																1
FY95	DA	1	1	0																																								A										1			0
3 IREMBASS/GE																																																						
FY93	A	157	0	157																	A									A																	44		18			65			30					0
4 SOF IRIS																																																						
FY94	DA	12	0	12																																																		12			0
5 MATT																																																						
FY94	DA	16	0	16																												A																	2	2		2	2		2	2	2	2			0
FY95	DA	16	0	16																																													A											16

TOTAL

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MIN SUST	1-8-5	MAX	RCH'D D +
VARIOUS				

PROCUREMENT LEAD TIME

INITIAL REORDER (Prev Source)	ADMIN LEAD TIME PRIOR 1 OCT VARIOUS	ADMIN LEAD TIME AFTER 1 OCT	MFNG TIME	TOTAL AFTER 1 OCT

REMARKS

A = Contract Award
# = Delivery
Two contract awards for FY93 IREMBASS

P 1 SHOPPING LIST, ITEM NO 80

BUDGET ITEM JUSTIFICATION SHEET						DATE: February 1994		
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE SOF SMALL ARMS & WEAPONS			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)		4.634	3.188	8.530	7.844	8.547	4.873	2.946

MISSION AND DESCRIPTION: This program provides small arms and weapons in support of Army and Navy components for Special Operations Forces (SOF). These forces include Rangers, 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; Naval Small Arms and Weapons; Weapons and Support Equipment; SOF Weapons MODs and Support Equipment; and SOF Offensive Handgun.

1. SOF FOREIGN WEAPONS: SOF Foreign Weapons provide a pool of foreign weapons for SOF training, including rifles, assault rifles machine and submachine guns, automatic rifles, pistols, sniper weapons, and mortars.

2. RANGER ANTI-ARMOR/ANTI-PERSONNEL WEAPONS SYSTEM (RAAWS): RAAWS provides increased fire support to Army Ranger teams encountering close-in threats from enemy armor and personnel. RAAWS procurement is completed in FY93.

3. SEAL WEAPONS SYSTEMS ORDNANCE/EQUIPMENT: Provides a variety of items and engineering support for training and combat exercises.

FY95 PROGRAM JUSTIFICATION: Funds are required for minor equipment (special tools such as wrenches, handling gear and waterproof specialty items); remote firing devices (MK 486 MOD 0) to replace older (MK 30/MK 100) remote firing systems being removed from the inventory; production engineering procurement of technical data and documentation for the Standoff Weapon Assembly (SWA) MK 32 MOD 0, the Limpets MK 4, MK 4 Trainer, MK 5 and Practice Limpet Assembly Modular (PLAM) MK 6; production improvement funding for initial design development, test certification and initial level 3 drawings for MK 32 MOD 0, LAM MK 5 and PLAM MK 6; the MK 31 heavy weight torpedo for the MK 32 MOD 0 SWA; MK 32 MOD 0 SWA support equipment; acceptance and proofing for the MK 32 MOD 1 torpedoes; and LAM MK 5 ECPs for hardware production associated with LAM MK5/PLAM MK 6.

4. SEAL WEAPONS/SUPPORT EQUIPMENT: Program provides a variety of support equipment, replacement weapons, mobile repair capability, machine guns and sniper rifles.

FY95 PROGRAM JUSTIFICATION: Funds are required to procure support equipment which includes gun mounts and/or stands and installation kits for boat backfit or modification; purpose code replacement weapons for the replenishment and/or follow-on procurement of unique weapons to maintain inventory at approved levels; mobile repair van provides for the procurement of spare and repair parts (slides, barrels, magazines, triggers, springs, maintenance tools, gauges and supplies, etc.) to accomplish weapons maintenance; and sniper rifles which provide for a standoff point target capability.

5. OFFENSIVE HANDGUN SYSTEM: The Offensive Handgun System consists of a .45 caliber handgun, noise suppressor, and laser aiming module. The system improves upon currently available handguns by providing increased reliability and the greatest single-shot incapacitation available.

FY95 PROGRAM JUSTIFICATION: Funds are required to provide SOF forces a handgun that is more reliable and has greater incapacitation capability than that of the current DOD personal defense weapon. Offensive Handgun will have an extended life of 30,000 rounds, greater reliability (10,000 rounds between stoppage), and will eliminate the need for operators to re-familiiarize themselves with the weapon which occurs after parts replacement.

6. SOF WEAPONS MODS AND SUPPORT EQUIPMENT: SOF Mission requires weapons and associated equipment with a variety of enhanced capabilities including

BUDGET ITEM JUSTIFICATION SHEET	DATE: February 1994
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2	P-1 ITEM NOMENCLATURE SOF SMALL ARMS & WEAPONS

modification of existing weapons to accomodate items such as night vision devices and procurement of spotting scopes. The SOPMOD for the M-4 Carbine consists of a kit of accessories to adapt the M-4 to missions across the operational spectrum of SOF. This kit will consist of day scopes, night scopes, optional integrated day/night scopes, an active aiming laser module, suppressors, optional grenade launchers, optional shotguns, and lightweight grips. Lights and accessories give the user of the weapon the dexterity to accomplish a variety of missions.

FY95 PROGRAM JUSTIFICATION: Funding provides for initial modifications to the M-4 carbine for SOF use, including modifications of the rail attachment for additional equipment such as night vision devices and grenade launchers. Funding is also provided for Non-Development Item procurement of support equipment such as spotting scopes. The SOPMOD to the M-4 Carbine will provide a single multi-purpose weapon to meet the needs of SOF basic missions. This kit will create the flexibility needed to use one weapon in several mission configurations at a lesser expense than currently available.

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2		C. P-1 ITEM NOMENCLATURE SOF SMALL ARMS & WEAPONS							
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
				FY 93		FY 94		FY 95	
(1)	(2)			QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)
1. SOF FOREIGN WEAPONS (See P22a Remarks)	B								
A. ANTI-TANK WEAPONS	B			106	615				
B. ASSAULT RIFLES	B			53	26				
C. AUTOMATIC RIFLES	B			108	108				
D. MACHINE GUNS	B			105	378				
E. MORTARS	B			23	117				
F. PISTOLS	B			206	120				
G. RIFLES	B			259	125				
H. SUB-MACHINE GUNS	B			523	224				
I. SNIPER WEAPONS	B			16	17				
2. RANGER ANTI-ARMOR/PERSONNEL SYS. (RAAWS)	A								
A. RAAWS - HARDWARE	A			16	325				
3. SEAL WPN SYSTEMS ORDNANCE/EQUIPMENTS	A								
A. DE049 MINOR SWS EQUIPMENT	A				8		10		13
B. DE060 REMOTE FIRING DEVICE	A			10	369	8	300	8	360
C. DE830 PRODUCTION ENG	N/A				601		100		
D. DE850 PRODUCT IMPROVEMENT	N/A				275		185		159
E. VQ001 STANDOFF WPN MK 31	A			10	559				
F. VQ009 SW SUPPT EQUIP (SET)	A			1	75				
G. VQ860 SW ACCEPT/PROOFING	N/A				247				
H. LAM MK 5 ECP's	A						400		500
4. SEAL WEAPONS/SPT EQUIP.	A								
A. SUPPORT EQUIPMENT	A				217		230		176
B. PURPOSE CODE REPLACEMENT WPNS	A						201		771
C. MOBILE REPAIR VAN	A				78		82		86
D. 9MM SUB-MACHINE GUNS	A					200	177		
E. SNIPER RIFLES	A			72	150	182	482	98	262

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE SOF SMALL ARMS & WEAPONS					
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
				FY 93		FY 94		FY 95	
(1)	(2)			QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)
5. OFFENSIVE HANDGUN SYSTEM	A								
A. OFFENSIVE HANDGUN (All-Up Weapon)	A							1,950	2,328
B. ILS DATA: FIRST ARTICLE	N/A								2,338
C. PRODUCTION SUPPORT	N/A								343
6. SOF WEAPONS MODS AND SUPPORT EQUIPMENT	A								
A. M4 CARBINE - MODIFIED	A					7,000	455		
B. M203 HEAT SHIELD	A					600	30		
C. M4 CARBINE FOR GRENADE LAUNCHER	A					542	301		
D. REPAIR KITS	A					73	34		
E. PRODUCTION SUPPORT	N/A						180		
F. M4 CARBINE SOFMOD KITS	A							1,700	1,193
G. SPOTTING SCOPE	A					60	21		
LINE ITEM TOTAL					4,634		3,188		8,530

P-1 SHOPPING LIST, ITEM NO. 61

BUDGET PROCUREMENT HISTORY AND PLANNING											A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE SOF SMALL ARMS & WEAPONS							
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 FOREIGN WEAPONS (See P22a Remarks)											
A. ANTI-TANK WEAPONS FY 93						106	5.802	NO			
B. ASSAULT RIFLES FY 93						53	0.491	NO			
C. AUTOMATIC RIFLES FY 93						108	1.000	NO			
D. MACHINE GUNS FY 93						105	3.600	NO			
E. MORTARS FY 93						23	5.087	NO			
F. PISTOLS FY 93						206	0.583	NO			
G. RIFLES FY 93						259	0.483	NO			
H. SUB-MACHINE GUNS FY 93						523	0.428	NO			
I. SNIPER WEAPONS FY 93						16	1.063	NO			

BUDGET PROCUREMENT HISTORY AND PLANNING | A. DATE: February 1994

B. APPROPRIATION/BUDGET ACTIVITY
PROCUREMENT, DEFENSE AGENCIES/2

C. P-1 ITEM NOMENCLATURE
SOF SMALL ARMS & WEAPONS

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. RANGER ANTI-ARMOR/PERSONNEL SYS. (RAAWS)										
A. RAAWS - HARDWARE										
FY 93	SWEDISH ORD	SS/FP	AMC	DEC 92	NOV 93	16	20.312			
3. SEAL WPN SYSTEMS ORDNANCE/EQUIPMENTS										
B. DE060 REMOTE FIRING DEVICE										
FY 93	NSWC CRANE DIV	MIPR	NAVSEA	OCT 92	MAY 93	10	36.900			
FY 94	NSWC CRANE DIV	MIPR	NAVSEA	OCT 93	MAY 94	8	37.500			
FY 95	NSWC CRANE DIV	MIPR	NAVSEA	OCT 94	MAY 95	8	45.000	NO		
E. VQ001 STANDOFF WPN MK 31										
FY 93	NUWC KEYPRT DIV	PO	NAVSEA	NOV 92	DEC 93	10	55.900			
F. VQ009 SW SUPPT EQUIP (SET)										
FY 93	NUWC KEYPRT DIV	PO	NAVSEA	NOV 92	AUG 93	1	75.000			
4. SEAL WEAPONS/SPT EQUIP.										
D. 9MM SUB-MACHINE GUNS										
FY 94	H&K	C	NSWC CRANE	MAR 94	SEP 94	200	0.887	YES	NO	
E. SNIPER RIFLES										
FY 93	NSWC CRANE	C	NSWC CRANE	MAR 93	SEP 93	72	2.083			
FY 94	NSWC CRANE	C	NSWC CRANE	MAR 94	SEP 94	182	2.648	YES	NO	
FY 95	NSWC CRANE	C	NSWC CRANE	MAR 95	SEP 95	98	2.673	NO		

BUDGET PROCUREMENT HISTORY AND PLANNING											A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE SOF SMALL ARMS & WEAPONS							
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. OFFENSIVE HANDGUN SYSTEM											
A. OFFENSIVE HANDGUN (All-Up Weapon) FY 95	UNKNOWN	C	NSWC CRANE	FEB 95	DEC 95	1,950	1.194	NO			
6. SOF WEAPONS MODS AND SUPPORT EQUIPMENT											
A. M4 CARBINE - MODIFIED FY 94	COLT MFG. HARTFORD, CT	FP	HQS AMCCOM	JAN 94	JUN 94	7,000	0.065	YES	NO		
B. M203 HEAT SHIELD FY 94	COLT MFG. HARTFORD, CT	FP	HQS AMCCOM	JAN 94	JUN 94	600	0.050	YES	NO		
C. M4 CARBINE FOR GRENADE LAUNCHER FY 94	COLT MFG. HARTFORD, CT	FP	HQS AMCCOM	JAN 94	JUN 94	542	0.555	YES	NO		
D. REPAIR KITS FY 94	COLT MFG. HARTFORD, CT	FP	HQS AMCCOM	JAN 94	JUN 94	73	0.465	YES	NO		
F. M4 CARBINE SOFMOD KITS FY 95	COLT MFG. HARTFORD, CT	FP	HQS AMCCOM	JAN 94	JUN 94	1,700	0.702	NO			
G. SPOTTING SCOPE FY 94	UNKNOWN	FP	NSWC CRANE	JUL 94	DEC 94	60	0.350	YES	NO		

D. REMARKS

1. A variety of contractor and contracting methods will be used on foreign weapons being purchased. Award and delivery dates will depend on availability of various weapons. Unit costs include test data and production data.

BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: SOF SMALL ARMS & WEAPONS

DATE FEBRUARY 1994

ITEM / MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FY 92 OCT	FY 92 NOV	FY 92 DEC	FY 93 JAN	FY 93 FEB	FY 93 MAR	FY 93 APR	FY 93 MAY	FY 93 JUN	FY 93 JUL	FY 93 AUG	FY 93 SEP	FY 93 OCT	FY 93 NOV	FY 93 DEC	FY 94 JAN	FY 94 FEB	FY 94 MAR	FY 94 APR	FY 94 MAY	FY 94 JUN	FY 94 JUL	FY 94 AUG	FY 94 SEP	FY 94 OCT	FY 94 NOV	FY 94 DEC	FY 95 JAN	FY 95 FEB	FY 95 MAR	FY 95 APR	FY 95 MAY	FY 95 JUN	FY 95 JUL	FY 95 AUG	FY 95 SEP	LATER
5. OFFENSIVE HANDGUN FY 95	NY	1950	0	1950																													A									1950
TOTAL																																									

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MIN SUST	1-8-5	MAX	RCH'D D +
VARIOUS				

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MFNG TIME	TOTAL AFTER 1 OCT
INITIAL	VARIOUS			
REORDER (Prev Source)				

REMARKS

A = CONTRACT AWARD
D = DELIVERY

P-1 SHOPPING LIST, ITEM NO. 61

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1994	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE SPECIAL WARFARE EQUIPMENT			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)		18.576	17.743	14.987	7.760	9.565	19.446	22.347

MISSION AND DESCRIPTION: This program provides necessary equipment to enable the Naval Special Warfare Command (NSWC) 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. SPECIAL WARFARE EQUIPMENT - COMBATANT CRAFT SUBSYSTEMS: The Rigid Inflatable Boat (RIB) program provides a medium range surface mobility platform for SEAL/SOF insertion and extraction and replaces the Special Warfare Craft Light (SWCL), or SEAFOX, which has ended its service life. The RIB combines the sea keeping capability of a hardened V-hull craft with that of the rubber boat for an incressed seaworthy craft with enhanced operational capability in a maritime environment.

FY95 PROGRAM JUSTIFICATION: Naval Special Warfare (NSW) RIB program management will provide technical support and full rate production contract monitoring. Alterations/material/installation will provide material and labor for alterations to craft in the NSW inventory.

2. SPECIAL WARFARE EQUIPMENT - UNDERSEA SUBSYSTEMS: Undersea subsystems consist of three programs: (1) Very Shallow Water Mine Countermeasures (VSW MCM), Diver Active Thermal Protection System (DATPS), and the Global Positioning System (GPS). The VSW MCM program is an improvement of the low magnetic and acoustic signature equipment to support the combat swimmer in the VSW MCM operational environment. DATPS is a self-contained active thermal protection system which allows combat swimmers to conduct missions in extreme cold water environments. The GPS is a waterproof, miniaturized unit for combat swimmers. The program transitioned from special operations/special technology.

FY95 PROGRAM JUSTIFICATION: FY95 funds support the award of a full production contract for the DATPS and production contracts award for the waterproof, miniaturized GPS.

3. SPECIAL WARFARE EQUIPMENT - SUBMARINE CONVERSION: Conversion of SSN 688 class submarines as replacements for SSN 637 long hull dry deck shelter (DDS) host and Advanced SEAL Delivery System (ASDS) host submarines.

FY95 PROGRAM JUSTIFICATION: The FY95 program is unchanged from the FY94 President's Budget Submission. (see also item No. 50)

4. SPECIAL WARFARE EQUIPMENT - OTHER ACQUISITION SUPPORT: Field changes, acceptance tests, etc.

FY95 PROGRAM JUSTIFICATION: DDS field change proposals will provide system improvements to enhance mission success and diver/submarine safety.

5. SPECIAL WARFARE EQUIPMENT - SUSTAINMENT PROGRAMS: Group and center equipment.

FY95 PROGRAM JUSTIFICATION: Resources are required to fully equip the NSW component to meet current joint and fleet operational commitments while attaining required force levels. Major categories of procurement include mobility, life, and mission support equipment. The NSW Groups and subordinate units require outfitting funds to maintain their operational capability and to acquire new state-of the-art equipment as it becomes available.

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B.APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2		C. P-1 ITEM NOMENCLATURE SPECIAL WARFARE EQUIPMENT							
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
				FY 93		FY 94		FY 95	
(1)	(2)			QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)
1. S W EQUIPMENT - COMBATANT CRAFT SUBSYSTEMS									
A. NSW RIB (LRIP)	A			8	4,907				
B. NSW RIB (FRP)	A			14	6,617	26	11,091		
C. NSW RIB (MGT/ENGR)	N/A								665
D. ALT/MAT/INSTL	A			VAR	523	VAR	405	VAR	473
2. S W EQUIPMENT - UNDERSEA SUBSYSTEMS									
A. VERY SHALLOW WATER MINE COUNTERMEASURES	A			VAR	523				
B. DIVER ACTIVE THERMAL PROTECTION SYSTEM	A							18	6,764
C. WATERPROOF GPS	A							VAR	1,236
3. S W EQUIPMENT - SUBMARINE CONVERSION									
A. DESIGN	N/A			VAR	322				
4. S W EQUIPMENT - OTHER ACQUISITION PROGRAMS									
A. SDV SUPPORT EQUIPMENT	N/A			VAR	412				
B. DDS EQUIPMENT/FIELD CHANGES	N/A			VAR	364	VAR	534	VAR	684
C. ACCEPTANCE TEST AND EVALUATION	n/a				216				
5. S W EQUIPMENT - SUSTAINMENT									
A. NSW GROUPS AND NSW UNITS - WEST	N/A			VAR	3,222	VAR	1,805	VAR	2,037
B. NSW GROUPS AND NSW UNITS - EAST	N/A			VAR	1,470	VAR	1,509	VAR	1,454
C. NAVSPECWARCEN	N/A					VAR	2,399	VAR	1,288
D. UTILITY BOATS	N/A							VAR	386
LINE ITEM TOTAL					18,576		17,743		14,987

P-1 SHOPPING LIST, ITEM NO. 62

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE SPECIAL WARFARE 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. S W EQUIPMENT - COMBATANT CRAFT SUBSYSTEMS										
A. NSW RIB (LRIP) FY 93	BOLLINGER LOCKPORT, LA.	C/FP	NAVSEA	DEC 92	MAR 95	8	613.375			
B. NSW RIB (FRP) FY 93	UNKNOWN	C/FP	NAVSEA	JUN 94	APR 95	14	472.643	YES	NO	
FY 94	UNKNOWN	C/FP	NAVSEA	JUN 94	AUG 95	26	426.577	YES	NO	
2. S W EQUIPMENT - UNDERSEA SUBSYSTEMS										
B. DIVER ACTIVE THERMAL PROTECTION SYSTEM FY 95	UNKNOWN	C/FP	NAVSEA	DEC 94	JUL 95	18	375.778	YES	NO	
D. REMARKS										

BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
SPECIAL WARFARE EQUIPMENT

DATE FEBRUARY 1994

ITEM / MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 92 CALENDAR YEAR OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 93 CALENDAR YEAR OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 94 CALENDAR YEAR OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 95 CALENDAR YEAR OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1 E NSW RIB (LRIP)																																																				
FY 93		8	0	8															A																																				
1 F NSW RIB (FRP)																																																						
FY 93		14	0	14																																					A														
FY 94		28	0	28																																					A											2	4	20
1 I DATPS																																																				
FY 95		18	18	0																																																18			
TOTAL					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

PROCUREMENT LEAD TIME

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MIN SUST	1 B S	MAX	RCH'D D +	ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	MFNG TIME	TOTAL AFTER 1 OCT
VARIOUS					VARIOUS			
INITIAL REORDER (Prev Source)								

REMARKS

A = CONTRACT AWARD

P 1 SHOPPING LIST, ITEM NO. 82

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1994	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (In millions $)		7.428	4.232	4.153	3.873	2.150	2.214	16.124

MISSION AND DESCRIPTION: The Miscellaneous Equipment budget line provides for various types of equipment required to support Special Operations Forces (SOF). The following information provides a more detailed description of the various requirements. Due to reduced TOA in FY95, several Miscellaneous Equipment Programs have been reduced, downscoped or deferred from the FY94 President's Budget.

A. ACQUISITION PROGRAMS

1. SOF PLANNING AND REHEARSAL SYSTEM (SOFPARS): Program provides for the development and procurement of an integrated family of mission planning systems, supported by extensive knowledge bases and imagery, that will be used by planners with the 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 rehearsal (preview). SOFPARS focuses on the joint requirements to ensure interoperability and standardization of the SOF mission planning process. SOFPARS develops and procures aviation mission planners. SOFPARS develops and fields mission planners for Special Forces, SEALS, Rangers, Civil Affairs (CA), and PSYOPS. Unit level and portable capabilities will be delivered. In FY94, this program moves from the Miscellaneous P-1 line to the new SOFPARS P-1 line.

2. AUTOMATIC BUILDING MACHINES SYSTEM (ABMS): This self-contained system can act as a mobile mini-factory by manufacturing steel buildings - all without support columns and beams, bolts, screws, or other fasteners. These machines can be easily mounted on a trailer and towed to construction sites. During Operation Desert Storm, these machines scored great success by constructing steel buildings almost overnight. This is a congressionally directed program, added for FY93 only.

3. ACTIVE NOISE REDUCTION (ANR): Active noise reduction will be built into the headsets and helmets used by the crew members and use electronic noise cancelling to reduce the noise level heard by the crew. 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.

FY95 PROGRAM JUSTIFICATION: The noise levels on AFSOC aircraft have been measured at much higher levels than is authorized by Air Force safety standards. The health hazard to the ground and air crews has been known for years and many millions of dollars have been paid for hearing disabilities. Now we understand that not only can we reduce the health hazard, but greatly increase the effectiveness of the crew by increasing their ability to understand the communications coming over their intercom. This increases safety and mission accomplishment by increasing communications intelligibility, and by reducing noise induced fatigue.

4. SECURITY DETECTION DEVICES: Program procures an intrusive detection system for Naval Special Warfare Group Two, Little Creek, Va. This system provides a complete interconnected security protection capability for Naval Special Warfare Group Two and its subordinate commands. Program also funds a visitor control and badge issue system for COMNAVSPECWARCOM.

FY95 PROGRAM JUSTIFICATION: Current systems are not interconnected; do not provide required compound security protection; and will no longer be repairable and/or capable of being maintained. The visitor control and badge issue system will provide an efficient, standardized computer security system for visitor/personnel control.

B. SUSTAINMENT PROGRAMS

BUDGET ITEM JUSTIFICATION SHEET	DATE: February 1994
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2	P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT

5. USSOCOM HQ MANAGEMENT: Program provides for purchase of base procured investment equipment with unit cost less than $15K and total buy of less than $1.0 million.

FY95 PROGRAM JUSTIFICATION: These funds support purchase of essential equipment items to support vital functions in the headquarters such as reprographics machinery, and other direct support system needs.

6. SPECIAL OPERATIONS JOINT OPERATIONAL STOCKS (SOJOS): The Joint Operational Stocks is a centrally managed, maintained and stored repository of immediately available and technically available Special Operations peculiar equipment. SOJOS is designed to provide an enhanced operational mission capability to deployed SOF in support of world-wide contingency operations and other directed missions as determined by USSOCOM. SOJOS operations are provided by SOF Support Activity (SOFSA) located at Lexington Bluegrass Army Depot, Lexington, KY.

FY95 PROGRAM JUSTIFICATION: These funds provide ongoing unit access to SO-unique/low density supplies and equipment. Offsets critical supply requirements, and eliminates redundant unit expenditures by maintaining "off the shelf" leading edge mission capability on an on call basis. Facilitates training and combat tactics development to maximize mission capability and readiness at minimum equipment costs.

7. SO COMBAT SUPPORT/CSS UNITS: Program provides for Lightweight Computer Units Version 2 (LCU.V2) and Briefcase Communications Terminals (LSSC 300). LCU.V2s are ruggedized, portable 25MHz 486 laptops which provide expandable, flexible hardware for support of battlefield automated systems. With Tactical Communication Interface Modules (TICMs) and selected ancillary boards, the LCU.V2 will support a wide range of C3, intelligence and logistics requirements. LCCS 300 systems consist of high-quality, hard-shell briefcase communications terminals with built in interconnect wiring, power supply, COMSEC ancillaries. These systems will allow for rapidly deployable, low profile, interoperability systems control and liaison C4 for both wideband and narrowband TACSAT.

FY95 PROGRAM JUSTIFICATION: The LCU.V2 allows units to provide tactical automation support to SOF. LCU.V2s will begin to replace the LDC 1s as these devices reach the end of their life cycle. With the LCU.V2s' greater capabilities, this replacement will enhance the tactical automation architecture.

8. MANAGEMENT HQ ELECTRONICS AND TELECOM SYSTEMS: Program provides for vital data and voice management information communication systems supporting AFSOC command and management functions.

9. SPECIAL TACTICS SQUADRON VEHICLES (STSV): Funding 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 SPECAT activities in which military vehicles would not be useable.

FY95 PROGRAM JUSTIFICATION: FY95 funds for 4 Bronco 4X4's. These vehicles are required to ensure low visibility transportation during training and contingency operations. Military vehicles would not be useable due to the sensitivity of the training, exercises, and contingencies which are mission requirements.

10. UNIT LEVEL LOGISTICS SYSTEM (ULLS): The Unit Level Logistics System (ULLS) for material management activity is required for USASOC units to order essential supplies and equipment through the Army's automated supply ordering system and to complete the systems for the maintenance that is required.

11. SOF MEDICAL TRAINING FACILITIES EQUIPMENT: Funds provide needed equipment for the JFKSWC medical facility. Included are X-ray, pharmacy, library, classroom, audio visual, teletraining systems and other required equipment.

FY95 PROGRAM JUSTIFICATION: This equipment is essential to equip new facilities which have been designed and built for the SOF Medical Training program at JFKSWC. Facilities will be unuseable without this basic equipment.

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT					
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
				FY 93		FY 94		FY 95	
(1)	(2)			QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)
1. SOFPARS	A								
A. TRANSPORTABLE FLYOFF					285				
B. TRANSPORTABLE SYSTEMS				22	2,420				
C. DATA PREPARATION SYSTEMS				1	108				
D. INTERIM CONTRACTOR SUPPORT					100				
E. PRODUCTION SUPPORT					465				
F. ENGINEERING CHG. ORDERS					557				
G. SYSTEM ACQUISITION ENGINEERING					376				
2. AUTOMATIC BUILDING MACHINES									
A. HARDWARE	A			VAR	2,500				
3. ACTIVE NOISE REDUCTION									
A. HARDWARE	A							1,124	1,496
4. SECURITY DETECTION DEVICES									
A. HARDWARE	A							1	299
5. USSOCOM HQ MANAGEMENT									
A. BPIE	A			VAR	351	VAR	377	VAR	389
6. SO JOINT OPERATIONAL STOCKS									
A. HARDWARE	A					VAR	2,962	VAR	799
7. SO COMBAT SUPPORT/CSS UNITS									
A. LCU.V2	A					VAR	98	VAR	208
B. LSSC 300	A					1	62		

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT					
ELEMENT OF COST	IDENT CODE			TOTAL COST IN THOUSANDS OF DOLLARS					
				FY 93		FY 94		FY 95	
(1)	(2)			QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)
8. MGT HQ ELECT AND TELE SYS									
A. WING C2 UPGRADE	A			VAR	85				
9. SPECIAL TACTICS SQUADRON VEHICLES									
A. HARDWARE	A			2	35	6	281	4	140
10. ULLS FOR MATERIAL MANAGEMENT									
A. HARDWARE	A			VAR	146	VAR	452		
11. SOF MEDICAL TRAINING FACILITIES EQUIPMENT									
A. HARDWARE	A							VAR	822
LINE ITEM TOTAL					7,428		4,232		4,153

P-1 SHOPPING LIST, ITEM NO. 64

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/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
1. SOFPARS										
B. TRANSPORTABLE SYSTEMS FY 93	LOCKHEED SANDER NASHUA, NH	C/FP	USAF/ESC/YV	MAR 93	DEC 93	22	110.000			
C. DATA PREPARATION SYSTEMS FY 93	LOCKHEED SANDER NASHUA, NH	C/FP	USAF/ESC/YV	JUN 93	DEC 93	1	108.000			
3. ACTIVE NOISE REDUCTION										
A. HARDWARE FY 95	BOSE FRAMINGHAM, MA	SS/FP	NSC/YAS	AUG 95	MAY 96	1,124	1.331	NO		
4. SECURITY DETECTION DEVICES										
A. HARDWARE FY 95	TBD	C/FP	CNSWC	JAN 95	FEB 95	1	299.000	YES	NO	
7. SO COMBAT SUPPORT/CSS UNITS										
B. LSSC 300 FY 94	MOTOROLA	SS/FPI	NESEA	MAY 94	SEP 94	1	62.000	NO		
9. SPECIAL TACTICS SQUADRON VEHICLES										
A. HARDWARE FY 93	REED-LALLIER FAYETTEVILLE, N	C/FP	AFMC	JAN 94	MAR 94	2	17.500	YES	NO	
FY 94	REED-LALLIER FAYETTEVILLE, N	C/FP	AFMC	MAR 94	JUL 94	6	46.833	YES	NO	
FY 95	REED-LALLIER FAYETTEVILLE, N	C/FP	AFMC	JUN 95	AUG 95	4	35.000	YES	NO	

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1994	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE OPERATIONAL FORCE ENHANCEMENTS			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)		103.767	95.593	86.761	83.532	103.353	95.277	138.062

MISSION AND DESCRIPTION: Provides funding for Special Classified SOF projects as directed by the Secretary of Defense and/or the Joint Chiefs of Staff.

FY95 PROGRAM JUSTIFICATION: Specific program justification is provided under separate cover.

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1994	
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)			6.368	7.878	28.244	5.300	2.080	2.075

MISSION AND DESCRIPTION: This program provides for the development and acquisition of 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 fanatacism have increased threats of terrorism, insurgency, instability, and subversion. A successful operation will result in a reduction in casualties and actions favorable to the supported host nation U.S. national objectives. Due to increased command priorities and mission requirements, additional TOA has been allocated to this critical program.

1. SPECIAL OPERATIONS MEDIA SYSTEM B (SOMS B): The SOMS B consists of a family of broadcast transmission and communication equipment arranged both as a mobile radio broadcast subsystem (MRBS) and a mobile television broadcast system (MTBS) supported by an electronic news gathering subsystem (ENGS). The MRBS has the capability to broadcast and monitor PSYOP products over both tactical and commercial frequencies from fixed locations or while mobile, using broadband, directional, and omni-directional antenna systems. The SOMS-B has the capability to broadcast, record, and transmit programming material to existing Media Production Center and the A F Commando Solo using a microwave communications system or a satellite up/down link.

FY95 PROGRAM JUSTIFICATION: This program will procure six SOMS-B: 1, FY94; 1, FY95; 4, FY96. FY95 request will procure the second SOMS B. The second system will provide PSYOP initial operational capability for tactical/commercial radio and television broadcast in support of the National Mission. The SOMS B is replacing systems and components of systems which are obsolete, technologically outdated, and unsupportable. SOMS B will result in quicker reaction times, increased system reliability, availability and maintainability.

2. PSYCHOLOGICAL OPERATIONS AUTOMATED SYSTEM (POAS): Under the authority of the Joint Chiefs of Staff, the Psychological Operations Automated System (POAS) objective is to provide automated capability to furnish state-of-the-art planning, implementation, and evaluation of U.S. Psychological Operations (PSYOP). Another basis objective of POAS is to facilitate military psychological operations in support of national objectives and to provide accurate, timely PSYOP information of force/resource capabilities. In addition POAS is an analytical tool that is required in the development of PSYOP studies. POAS operates at a security level of SECRET high; and therefore, any workstations connected to it or establishing connection via remote dial-up must also be operated at that level of security.

FY95 PROGRAM JUSTIFICATION: POAS is the key automation support system for PSYOP as identified in the PSYOP Master Plan and the Joint Strategic Capabilities Plan (JSCP) Annex D. The requirement for the automated support to PSYOP (including tactical Automated Data Processing support) is further documented in the Joint Mission Analysis, Global Analysis Report. In addition, POAS supports the Overt Peacetime PSYOP Program (OP3) as directed in DOD Directive 3321.1. POAS is essential to the accomplishment of critical NSDD and CINC crisis/conventional actions in support of identified NSDD and DOD Directives. Funds will provide the outstations/workstations for increased user access to the mainframe. Deployed forces require access which is currently extremely limited. System workstations and peripherals are required to increase access information to support the mission.

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT					
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
				FY 93		FY 94		FY 95	
				QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
(1)	(2)			(5)	(6)	(7)	(8)	(9)	(10)
1. SPECIAL OPERATIONS MEDIA SYSTEM - B	A								
A. SOMS-B						1	4,443	1	6,631
2. PSYOP AUTOMATED SYSTEM	A								
A. HARDWARE						1	1,925		
B. COMPONENTS						.		VAR	1,247
LINE ITEM TOTAL							6,368		7,878

P-1 SHOPPING LIST, ITEM NO. 66

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/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. SOMS-B										
FY 94	DOE	MIPR/FP	DOE	MAR 94	MAR 95	1	4,443.000	YES	NO	
FY 95	TBD	C/FP	TBD	MAY 95	FEB 96	1	6,631.000	YES	NO	
2. PSYOP AUTOMATED SYSTEM										
A. HARDWARE										
FY 94	TBD	C/FP	TBD	MAR 94	DEC 95	1	1,925.000	NO	NO	

D. REMARKS
1.A. FY94 funds for low rate initial production (LRIP).

BUDGET PRODUCTION SCHEDULE — **P-1 ITEM NOMENCLATURE:** PSYOP EQUIPMENT — **DATE** FEBRUARY 1994

ITEM / MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FY 92 CY 92 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 93 CY 93 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 94 CY 94 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 95 CY 95 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1 SOMS-B																																																			
FY94	A	1		1																		A																						1									
FY95	A	1		1																																																1
TOTAL																																																			

PRODUCTION RATES

MANUFACTURER'S NAME AND LOCATION	MIN SUST	1-6-5	MAX	RCH'D D +
DEPT OF ENERGY				
IDAHO FALLS, ID				

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MFNG TIME	TOTAL AFTER 1 OCT
INITIAL			9 MOS	5
REORDER (Prev Source)				

REMARKS:

A = CONTRACT AWARD

P-1 SHOPPING LIST, ITEM NO 66

BUDGET ITEM JUSTIFICATION SHEET					DATE: February 1994			
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2					P-1 ITEM NOMENCLATURE SOF PLANNING AND REHEARSAL SYSTEM (SOFPARS)			
		FY93	FY94	FY95	FY96	FY97	FY98	FY99
QUANTITY								
COST (in millions $)			10.491	2.958	1.963	1.988	2.014	2.042

MISSION AND DESCRIPTION: 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 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. SOFPARS focuses on the joint requirements to ensure interoperability and standardization of the SOF mission planning process. SOFPARS develops and procures aviation mission planners and consists of unit/force level systems (transportable) capable of utilizing data transfer modules for avionics initialization and element systems (portable). SOFPARS ground/maritime phase has been eliminated and all associated funding realigned to the aviation mission planners which reduces the outyear requirements. The FY92-93 SOFPARS program, as represented in the Miscellaneous Equipment P-1 line, transitioned to this line in FY94.

FY95 PROGRAM JUSTIFICATION: The FY94PB for FY95 included a ground/maritime requirement for 10 transportable systems and 230 portable systems. With the elimination of the ground/maritime program, the FY95 request has been adjusted accordingly. The current request will provide for the procurement of 21 portable systems, logistics support and hardware upgrades for aviation mission planners.

PROGRAM COST BREAKDOWN									A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/2				C. P-1 ITEM NOMENCLATURE SOF PLANNING AND REHEARSAL SYSTEM (SOFPARS)					
ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
				FY 93		FY 94		FY 95	
				QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
(1)	(2)			(5)	(6)	(7)	(8)	(9)	(10)
1. SOFPARS	A								
A. TRANSPORTABLE SYSTEMS						43	5,289		
B. PORTABLE SYSTEMS								21	630
C. INTERIM CONTRACTOR SUPPORT							100		100
D. ENGINEERING CHG. ORDERS							369		137
E. SPARES							825		420
F. COMMON MAPPING STANDARD							300		300
G. BLOCK UPGRADES							1,508		113
H. SYSTEM ACQUISITION ENGINEERING							2,100		1,258
LINE ITEM TOTAL							10,491		2,958

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1994
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE AGENCIES/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
1. SOFPARS										
A. TRANSPORTABLE SYSTEMS FY 94	LOCKHEED SANDER NASHUA, NH.	C/FP	ESC/YV	OCT 93	JAN 94	43	123.000			
B. PORTABLE SYSTEMS FY 95	LOCKHEED SANDER NASHUA, NH.	C/FP	ESC/YV	APR 95	JUL 95	21	30.000	NO		
D. REMARKS										

BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: SOFPARS

DATE: FEBRUARY 1994

ITEM / MANUFACTURER/ PROCUREMENT YEAR	B E R V	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 92 CALENDAR YEAR 92 OCT	NOV	DEC	FISCAL YEAR 92 CALENDAR YEAR 93 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 93 CALENDAR YEAR 93 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 94 CALENDAR YEAR 94 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 95 CALENDAR YEAR 94 OCT	NOV	DEC	FISCAL YEAR 95 CALENDAR YEAR 95 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
PHASE I: AVIATION/ Lockheed Sanders FY94 1 A. TRANSPORTABLE SYSTEMS	AF	43	43	0																									A			5	5	5	5	5	5	5	5	3												
TOTAL					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MIN SUST	1-8-5	MAX	RCH'D D +

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MFNG TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER (Prev Source)				

REMARKS

A = CONTRACT AWARD

P 1 SHOPPING LIST, ITEM NO. 88

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