

# APPENDIX C

## MANPOWER AND BUDGET

### Special Operations Forces (SOF)

The FY 1999 budget request for SOF is approximately \$3.4 billion. The SOF budget request by appropriation is shown in Table C-1.

**Table C-1**  
**SOF Budget (\$ Millions)**

Appropriation	FY 98	FY 99
MILPERS*	\$1,376.0	\$1,426.6
O&M	1,182.5	1,238.9
Procurement	637.1	506.3
RDT&E	152.9	155.9
MILCON	62.9	46.9
<b>Totals</b>	<b>\$3,411.4</b>	<b>\$3,374.6</b>

\* Funded in the MILPERS accounts of the military departments

### Personnel

Funding for military personnel is included in the military personnel accounts of the military departments. Table C-2 depicts the manpower end strength data for FY 1999.

### Operation and Maintenance

The operation & maintenance (O&M) appropriation covers the costs of operating and maintaining SOF and related support activities. This includes civilian pay, services for maintenance of equipment, real property and facilities, fuel, consumable supplies, spares, and repair parts for weapons and equipment.

**Table C-2**  
**Manpower End Strength**

Categories	FY 98	FY 99
<b>Active Military</b>		
Officer	5,371	5,383
Enlisted	24,137	24,150
<b>Total Active</b>	<b>29,508</b>	<b>29,533</b>
<b>National Guard</b>		
Officer	705	705
Enlisted	2,990	2,990
<b>Total National Guard</b>	<b>3,695</b>	<b>3,695</b>
<b>Reserve</b>		
Officer	2,714	2,714
Enlisted	7,414	7,414
<b>Total Reserve</b>	<b>10,128</b>	<b>10,128</b>
<b>Civilian</b>		
U.S. Direct Hire	2,776	2,778
<b>Total Civilian</b>	<b>2,776</b>	<b>2,778</b>

Table C-3 details the FY 1999 funding for O&M budget activity (BA) areas.

**Table C-3**  
**O&M Budget (\$ Millions)**

Budget Activity	FY 98	FY 99
Operating Forces	\$1,100.2	\$1,149.4
Training	40.3	42.4
Administrative	42.0	47.1
<b>Totals</b>	<b>\$1,182.5</b>	<b>\$1,238.9</b>

- **Operating Forces** — BA 1 includes necessary resources for SOF tactical units and organizations, including costs directly associated with unit training, deployments, and participation in contingency operations. Resources support civilian and military manpower, SOF peculiar and support equipment, fielding of SOF equipment, routine operating expenses, and necessary facilities. BA 1 is divided into two activity groups: special operations operational forces and special operations operational support.

- **Training** — BA 3 Includes resources for operation and maintenance costs directly attributable to supporting the component special operations schools. USSOCOM operates the John F. Kennedy Special Warfare Center and School at Fort Bragg, North Carolina; the Naval Special Warfare Center at Coronado, California; and the Air Force Special Operations School at Hurlburt Field, Florida. Also included are training development and support activities. The schools and centers provide mobile training teams to support the operational forces as required. SOF aircrew training and training at the joint readiness training center (JRTC) are directly related to SOF Operational Forces. The SOF medical training center at Fort Bragg, North Carolina provides modularized qualification, advanced enhancement, and limited sustainment medical training for joint SOF. The facility's first class began on July 1, 1996.

- **Administrative** — BA 4 Provides resources for operation and maintenance costs supporting SOF peculiar acquisition programs being developed or procured. Funding is executed by the Special Operations Acquisition Center (SOAC). Funds acquisition program management, engineering, and logistical support for SOF tactical acquisition programs. Support includes funding for travel, operational testing and evaluation support, and related supplies and equipment. Funds civilian program

management and general contractor support for SOAC to include support equipment, necessary facilities, SOAC civilians, and costs associated with the management of SOAC.

## Procurement

The FY 1999 Procurement budget allocates funds for mobility, ammunition, communications, intelligence, and miscellaneous programs as shown in Table C-4.

**Table C-4**  
**Procurement (\$ Millions)**

<b>Program</b>	<b>FY 98</b>	<b>FY 99</b>
Mobility	314.7	196.7
Ammunition	49.9	44.5
Communications	58.6	68.1
Intelligence	23.8	19.1
Miscellaneous	190.1	177.9
<b>Totals</b>	<b>637.1</b>	<b>506.3</b>

- **Mobility** programs, the largest mission area in procurement, includes funds for completion of major aircraft and maritime procurement programs.
- The **Ammunition** budget will be used primarily to procure munitions for training, operations, and war reserve stocks.
- **Communications** programs will continue to procure lighter, more reliable communications equipment that will be an improvement over current systems.
- **Intelligence** programs are consolidated into one SOF budget line item. This consolidation emphasizes the importance of effective management in an area that is critical and essential to special operations.

## Mobility Programs

Table C-5 depicts the FY 1999 budget for Mobility programs.

**Table C-5**  
**Mobility Programs (\$ Millions)**

Program	FY 98	FY 99
MC-130H	30.3	19.0
Rotary Wing Upgrades	34.8	47.0
AC-130U Acquisition	58.1	28.6
C-130 Mods	96.2	58.4
SOF Training Systems	3.3	6.1
Aircraft Support	3.0	0.9
CV-22 SOF Mods	0.0	4.0
MK 8 Mod 1 SDV	2.1	0.6
OH-6 Acquisition/Mods	7.7	0.0
Submarine Conversion	16.5	6.0
Mark V Special Operations Craft	35.1	0.0
ASDS	4.7	10.5
NSW RIB	12.6	15.6
PC-14	10.3	0.0
<b>Totals</b>	<b>314.7</b>	<b>196.7</b>

- The **MC-130H Combat Talon II** budget provides for interim contractor support (ICS); resolution of vital safety related system deficiencies; continues procurement, repair, and replacement of government furnished equipment; completes establishment of an organic, depot-level software development, maintenance, and repair facility; sustainment of aircraft operational flight program software; and acquisition of APQ-170 radar test program sets for organic depot support at the shop replaceable unit level.
- **Rotary-Wing Upgrades and Sustainment** funding provides for a variety of critical improvements to the A/MH-6, MH-60G/L/K, MH-53J, TH-53A and MH-47D/E aircraft.

These include aircraft survivability equipment upgrades; the interactive defensive avionics system; and the mission enhancement Little Bird program providing structural and drive systems upgrades.

- The FY 1999 **AC-130U Gunship** program provides continued ICS for hardware and software; post production support efforts and tech order maintenance and printing; system integration lab support; procurement of intermediate level peculiar support equipment test program sets; and the integration of derivative F-15 fire control radar reliability and maintainability.
- The **C-130 Modification** program provides for the installation of ALQ-172 low band jammers on one AC-130H aircraft; procurement and installation of the last four light weight ammunition racks for the AC-130H; procurement of four kits for the AC-130H low-light level TV reliability and maintainability program; beginning of APQ-180 Radar upgrades as part of the pre-planned product improvement to AC-130U electronic warfare and navigation systems; procurement of 24 directional infrared countermeasures (DIRCM) systems; completion of procurement of MC-130H communications/navigation kits and the installation of two kits; and completion of ground testing on the ALQ-172 Low Band Jammer/ECP-93 modification on AC-130U and AC-130H aircraft.
- Funds for the **SOF Training Systems** will be used to procure ground based trainers to support initial, refresher, and continuation training and mission rehearsal; and data base generating equipment required for building and maintaining real-world training and mission rehearsal scenarios.
- The **Aircraft Support** program provides funds for acquiring initial avionics to enhance baseline C-17 capabilities for

USSOCOM special operations low-level missions and the continuation of communications upgrades.

- The **CV-22 SOF Modification** program funding procures a full fidelity weapon system trainer (WST) for special operations mission qualification training. The WST is being procured with 15 percent USSOCOM and 85 percent Air Force funding.
- **MK 8 MOD 1 SEAL Delivery Vehicle (SDV)** is a service-life extension program on the in-service MK 8 MOD 0SDV that focuses on correcting identified and projected sustainability and maintainability problems within selected subsystems. The FY 1999 program completes logistics, and provides remaining technical training equipment.
- The **Submarine Conversion** program modifies SSN 688 class submarines to host dry deck shelters (DDS) and ASDS. FY 1999 funding modifies and installs special systems on one SSN-688 enabling it to host a single DDS and updates logistics support.
- Funding for the **Advanced SEAL Delivery System (ASDS)** provides for the conversion of one submarine host ship, host support equipment and orders mission batteries for ASDS number two.
- The **Naval Special Warfare Rigid Inflatable Boat (RIB)** program provides a short range surface mobility platform for SOF insertion and extraction. The program supports the procurement of RIBs, trailers, deployment packages, on-board spares, and provides engineering support.

## Ammunition Programs

Table C-6 presents the FY 1999 Ammunition budget request.

**Table C-6  
Ammunition (\$ Millions)**

Program	FY 98	FY 99
Ordnance Acquisition	25.2	15.7
Ordnance Replenishment	24.7	28.8
<b>Totals</b>	<b>49.9</b>	<b>44.5</b>

- The **Ordnance Acquisition** program includes funds for procuring pyrotechnics, demolition materials, and various munitions, ammunition, related subsystems, and equipment in support of SOF.
- Funding for **Ordnance Replenishment** includes individual weapons ammunition in support of Rangers, special boat units, naval special warfare groups and teams, SEAL teams, special boat squadrons, and SEAL delivery vehicle teams and for Air Force Special Operations Command training munitions for AC-130 Gunship crew training.

## Communications Programs

For FY 1999, the budget for Communications programs will continue efforts to develop and procure unique SOF command, control, and communications (C3) equipment that will improve SOF units' warfighting capability without degrading their mobility. Table C-7 shows the allocation of these funds. Funds for communications programs will be used to procure various radio systems such as the special mission radio system and tactical radio system for NSW units. The SOF tactical assured connectivity systems (SOFTACS) will provide significantly-increased information transfer capability to deployed SOF. The joint base station provides continuous, reliable, long-range communication between SOF component commands.

**Table C-7  
Communications (\$ Millions)**

Program	FY 98	FY 99
SMRS Upgrades	4.5	7.3
NSW Tactical Radio	0.1	0.0
MBMMR	7.3	9.0
MBITR	4.5	2.2
CONDOR	2.1	1.5
VTC	0.0	0.5
SOFTACS	14.5	13.9
Joint Base Station	16.6	27.6
HQ C4/LAN	0.9	0.3
SOF C4 AIS	2.4	1.3
SCAMPI	5.7	4.5
<b>Totals</b>	<b>58.6</b>	<b>68.1</b>

**Table C-8  
Intelligence (\$ Millions)**

Program	FY 98	FY 99
SOCRATES	3.0	4.4
MATT	5.9	2.4
SSMS	4.4	3.0
Integrated Survey Program	1.2	0.4
PRIVATEER	9.3	6.4
SOF IV	0.0	2.5
Joint Threat Warning System	0.0	0.0
<b>Totals</b>	<b>23.8</b>	<b>19.1</b>

## Miscellaneous Programs

The FY 1999 budget for Miscellaneous programs is displayed in Table C-9.

## Intelligence Programs

Intelligence programs are consolidated into one SOF budget line item. This consolidation emphasizes the importance of effective management in an area that is critical and essential to special operations. Table C-8 shows the distribution of funds for these programs. Funds will continue enhancements to the SOCRATES intelligence data handling system and procurement of the SOF Intelligence Vehicle Block Upgrades. Procurement will also continue for the multi-mission advanced tactical terminal (MATT) to be installed on the MH-53J rotary-wing aircraft. These systems will ensure effective, timely processing and distribution of intelligence data to deployed SOF. The integrated survey program procures commercial/government off-the-shelf equipment to support theater CINC regional survey teams. Funding for PRIVATEER will procure electronic surveillance systems for the cyclone-class patrol coastal craft and electronic surveillance and attack systems for the Mark V special operations craft. SOF signal intelligence manpack systems (SSMS) will be upgraded to improve its ability to provide full spectrum communications early warning capability to ground, maritime, and air components of SOF.

**Table C-9  
Miscellaneous (\$ Millions)**

Program	FY 98	FY 99
Small Arms/Weapons	12.6	15.4
Misc Equipment	5.7	9.7
Op Force Enhancements	112.1	74.0
PSYOP Equipment	10.1	9.5
Maritime Equipment	0.6	2.1
Maritime Equipment MODS	9.5	26.0
Spares/Repair Parts	38.9	40.2
SOFPARS	0.6	1.0
Soldier Enhancement	0.0	0.0
<b>Totals</b>	<b>190.1</b>	<b>177.9</b>

- **Small Arms and Weapons** funds will be used to procure weapons and ammunitions for training and operations. Funds procure .50 caliber sniper rifle retrofit kits, boat gun mounts, laser aiming modules for the SOF offensive handgun, and M4A1 carbine and accessory kits.

- **Miscellaneous Equipment** funds procure a variety of support equipment for SOF. For example, the joint operational stock is a centrally-managed and maintained repository of special operations-peculiar equipment. In addition, funds are budgeted for active noise reduction technology to reduce residual noise inside flight headsets or helmets.
- The **PSYOP Equipment** budget provides for a variety of equipment such as the deployable print production center and manpack and vehicle/watercraft-mounted systems as part of the family of loudspeakers.
- The **SOF Planning and Rehearsal System (SOFPARS)** provides extensive data and imagery to mission planners and allows operators to rehearse sensitive operational missions. The funds requested will be used to procure five portable and 23 flight planning systems.
- The **Technology Base Development** program targets initiatives designed to advance technologies that meet critical SOF needs. These include reduced electronic signature of SOF aircraft, light-weight power sources, and innovative weapons. Technology programs of other DoD and non-DoD organizations are reviewed to identify opportunities to cooperatively exploit emerging technologies and avoid duplication of effort. This approach of leveraging SOF funds maximizes the return on investment of SOF technology base dollars.
- The **Advanced Technology Development** program adapts available technology to rapidly develop prototype equipment to fulfill key SOF and low intensity conflict (LIC) requirements. In FY 1999, the program consists of the special operations and special technology (SOST) project. The SOST project focuses on meeting requirements that are special mission, time-sensitive, and SOF-peculiar
- The **Intelligence Systems Development** program funds are used to develop and test selected SO equipment that provides timely intelligence support to deployed forces.
- The **SOF Enhancements** program provides funding for classified SOF projects as directed by the secretary of defense and/or the Joint Staff.
- The **Medical Technology** program provides basic and exploratory research and development funds for SOF-unique medical requirements. Funds will be used in the seven following areas of investigation: combat casualty management; decompression procedures for SOF diving operations; exercise-related injuries; inhaled gas toxicology; medical sustainment training techniques; mission-related physiology; and thermal protection.

## Research, Development, Testing & Evaluation (RDT&E)

Modern technology provides the essential advantage for many special operations. Consequently, resources are requested for SOF RDT&E each year. Most funds requested for FY 1999 will be used to improve current systems, components, and subsystems. Table C-10 shows how RDT&E funds will be budgeted for FY 1999.

**Table C-10**  
**RDT&E (\$ Millions)**

Program	FY 98	FY 99
Sml Bus Innovative R&D	3.1	0.0
Tech Base Development	3.9	4.0
Adv Tech Development	8.1	8.0
Intelligence Systems	10.3	1.8
Medical Technology	1.9	2.1
SOF Enhancements	25.9	33.7
Tactical Sys Development	99.7	106.3
<b>Totals</b>	<b>152.9</b>	<b>155.9</b>

**Table C-11**  
**Tactical Systems (\$ Millions)**

Project	FY 98	FY 99
Comm Adv Devel	1.2	2.7
PSYOP	0.6	1.5
Munitions Adv Devel	3.4	4.5
SOF Aviation	5.5	7.9
Aviation Sys Adv Devel	1.7	6.6
Underwater Sys Adv Devel	56.2	43.7
Aircraft Defensive System	9.0	7.7
AC-130U	5.3	3.1
SOFPARS	5.2	3.6
SOF Training System	7.8	23.8
Wpns/Spt Syst Adv Devel	3.8	1.2
<b>Totals</b>	<b>99.7</b>	<b>106.3</b>

- The **Tactical Systems Development** program develops and tests selected specialized equipment to meet SOF-unique requirements. Projects under this program normally apply available technologies. Table C-11 details use of funds for the program.
- The **Communications Advanced Development** project includes several important communications items such as improved message entry devices and improved antennas. FY 1999 funds will be used to continue systems engineering, finalize selected design, and conduct operational evaluations for the SF small, transportable, highburst rate, deployable base station.
- The **PSYOP** project funds the operational testing of the PYSOP Dissemination System, Theater Media Production System, and flyaway broadcast capabilities.
- **Munitions Advanced Development** projects provide specialized munitions for unique SOF requirements. These include the improved limpet mine, remote activated munitions system, and the SOF demolition kit. Funds

will provide for the continued design, fabrication, user testing, and type classification of these items.

- **SOF Aviation** covers the funds for MH-47/MH-60 and A/MH-6 projects including development of the onboard inert gas generation system, aircraft survivability equipment controller, integration and testing of an infrared jammer on the MH-47; live fire testing on MH-47E/MH60K components and integration.
- The **Aviation Advanced Systems Development** project is a technology development effort that provides specialized equipment to reduce aircraft electronic signatures, warn of detection, and improve threat countermeasures. Funds will be used for development of new, lighter weight armor panels, upgrades of the gunship mission computer, study of improvements to situation awareness for the gunship, and engineering analysis of SOF fixed-wing aircraft avionics and sensors.
- **Underwater Systems Advanced Development** projects include development of the ASDS and naval special warfare mine countermeasures and operational testing of the non-gasoline burning outboard engine.
- The **Aircraft Defensive Systems** project provides for the continued development of directional infrared countermeasures; testing of ALQ-172 electronic countermeasures; and C-130 engine infrared suppression efforts; and efforts to update the ALQ-196 integrated support station.
- **AC-130U Gunship Development** activities include the development of prototypes and risk reduction efforts for control and display subsystem improvements; and, continued efforts on technical order verification/validation, software flight test operations and support, and reliability and maintainability technical studies and analysis.

■ **Special Operations Forces Planning and Rehearsal System (SOFPARS)** is an automated mission planning capability to support SOF and consists of the SOF version of the Air Force mission support system (AFMSS) and the SOF portable computer flight planning system (PFPS). Funding covers AFMSS aircraft, weapons, and electronics interface software module development for all SOF aircraft and PFPS interface.

■ **SOF Training Systems** funds analysis, development, test, and integration of SOF aviation-related training and mission rehearsal systems and upgrades. Funding is provided for the AC-130U gunship aircrew/maintenance training system and program management office support.

■ **Weapons and Support Systems Advanced Development** funds development and testing of specialized, lightweight individual weapons, fire control, and tactical surveillance equipment to meet the unique requirements of SOF. Continuing projects include the improved night/day observation/fire control device and the evaluation of NBC protection and optical protection modules.

## Military Construction

Table C-12 details funding for the SOF Military Construction program.

**Table C-12  
MILCON (\$ Millions)**

State–Project	FY 98	FY 99
NAS NORTH ISLAND, CA		
Waterfront Operations Support Facility	7.112	
NAB CORONADO, CA		
Amphibious Operations Facility		3.600
HURLBURT FIELD, FL		
Squadron Operations/AMU	6.100	
Perimeter Fence/Vehicle Barrier System	2.450	
General Purpose Aircraft Maintenance Shop		2.210
Clear Water Aircraft Rinse		2.400
MacDILL AFB, FL		
Renovate Command and Control Facility		8.400
FORT BENNING, GA		
Battalion & Company Operations Facility	9.814	
HUNTER ARMY AIRFIELD, GA		
Company Operations Facility	2.500	
PEARL HARBOR NS, HI		
Advanced SEAL Delivery System Facility (PH II)	7.400	
FORT CAMPBELL, KY		
Aircraft Maintenance Hangar		15.000
MS ARMY AMMUNITION PLANT, MS		
O&M Facility	9.900	
FT BRAGG, NC		
Electronics Maintenance Facility	1.000	
Security Upgrades	0.500	
Medical Training Barracks	8.300	
NAVAL STATION ROOSEVELT ROADS, PR		
Operations Facility		9.600
PLANNING AND DESIGN	3.710	1.450
MINOR CONSTRUCTION	4.100	4.200
<b>Totals</b>	<b>62.886</b>	<b>46.860</b>