

COMMITTEE LANGUAGE FOR FISCAL YEAR 2001

**SH-60 SERIES
ACCOUNT: APN**

PRESBUD	HASC	SASC	CASC	HAC	SAC	CAC
21,088	29,088	21,088	21,088	39,088	23,888	37,188

**SH-60R
ACCOUNT: APN**

PRESBUD	HASC	SASC	CASC	HAC	SAC	CAC
(4) 162,327	(4) 162,327	(7)258,327	(6)209,657	(4)152,327	(7)249,027	(6)211,357

**CH-60S (MYP)
ACCOUNT: APN**

PRESBUD	HASC	SASC	CASC	HAC	SAC	CAC
(15)165,071	(17)206,971	(18)218,071	(17)280,307	(15)165,131	(18)227,846	(17)206,921

**CH-60S (ADVANCE PROCUREMENT (CY))
ACCOUNT: APN**

PRESBUD	HASC	SASC	CASC	HAC	SAC	CAC
80,411	80,411	80,411	80,411	80,411	80,411	80,411

HASC LANGUAGE (Rpt. 106-616)

Page 67, Aircraft Procurement, Navy

007	AD-17 (AERIAL) EARLY WARNING	-	2,452	-	2,452
008	SH-60R	4	162,327	4	162,327
008	E-2C (EARLY WARNING) HAWKEYE (MYP)	5	364,889	5	364,889

Page 67, Aircraft Procurement, Navy

011	CH-60S (MYP)	15	236,457	2	41,900	17	280,357
011	LESS: ADVANCE PROCUREMENT (PY)	-	(73,386)	-	-	-	(73,386)
012	ADVANCE PROCUREMENT (CY)	-	80,411	-	-	-	80,411
013	UC-35 NAVY	-	-	2	15,200	2	15,200

Page 69, Aircraft Procurement, Navy

028	SH-60 SERIES ADHEELS	-	21,088	[+2,600]	8,000	-	[+2,600]
029	H-1 SERIES	-	-	[+8,000]	-	-	[+8,000]
030	H-3 SERIES	-	2,642	-	-	-	2,642

Page 71, Items of Special Interest

Advanced helicopter emergency egress lighting system (ADHEELS) The budget request contained \$21.1 million for SH-60 series modifications but included no funds for the ADHEELS. The ADHEELS provides crew escape lighting for H-60 series helicopters in the event of water impact. The committee understands that the Department of the Navy has selected ADHEELS as its future helicopter escape lighting system due to its superior performance, significantly increased operational reliability, and lower life-cycle costs. The committee strongly supports this choice and recommends \$29.1 million, an increase of \$8.0 million for accelerated ADHEELS procurement and installation in both new production and existing H-60 series helicopters.

Page 72, Items of Special Interest

CH-60S

The budget request contained \$165.1 million for 15 CH-60S helicopters and \$80.4 million for advance procurement of 16 CH-60Ss in fiscal year 2002. The CH-60S replaces the H-46D for the Navy's helicopter combat support missions including vertical replenishment, cargo and personnel transfer, and search and rescue. The committee understands that the aging H-46D is increasingly expensive to operate and that its replacement with a fleet of H-60 series helicopters will avoid an estimated \$22.0 billion of support costs over the next 20 years. The committee also notes that the Chief of Naval Operations has identified additional CH-60S helicopters among his top unfunded requirements in fiscal year 2001. The committee believes that the aging H-46D fleet should be retired as soon as practical and, therefore, recommends \$207.0 million, an increase of \$41.9 million for two additional CH-60S helicopters.

Page 82, Items of Special Interest

Hellfire II missile

The budget request contained no funds for Hellfire II missiles. The Hellfire II missile is a laser-guided, anti-armor and anti-ship weapon used by the Marine Corps on the AH-1W helicopter and by the Navy on the SH-60B helicopter. The committee notes that, despite increased funding provided by Congress in fiscal years 1998 and 2000, the Department of the Navy has not met its inventory requirement for these missiles. The committee further notes that, as a result of this situation, the Chief of Naval Operations has identified procurement of Hellfire II missiles among his top unfunded readiness requirements in fiscal year 2001. Therefore, consistent with its prior actions, the committee recommends an increase of \$55.0 million to procure additional Hellfire II missiles.

Page 155, Legislative Provisions – Subtitle B - Army Programs

Section 111—Multiyear Procurement Authority

This section would authorize the Secretary of the Army to enter into multiyear procurement (MYP) contracts for the M2A3 Bradley Fighting Vehicle in fiscal year 2001 and the UH-60 Knighthawk utility helicopters, as the Department of the Navy's executive agent, in fiscal year 2002. This section would also prohibit the Secretary of the Army from executing a M2A3 Bradley MYP contract until a successful completion of the vehicle's initial operational test and evaluation and certification by the Secretary to the congressional defense committees that the vehicle met all of its required test parameters.

Page 196, Items of Interest, Aviation modernization plan

The committee notes recent reports that the Office of the Chief of Naval Operations is considering a major revision of naval aviation plans which would remove aircraft from inventory, cancel future aircraft systems concepts, and reconfigure the carrier air wing in order to develop an affordable modernization plan for naval aviation. The reports indicate that the recommendations contained in the "Common Vision for Naval Aviation" would be implemented

Grayhound Tracker carrier onboard delivery aircraft;

- (4) Retirement of the S-3B Viking antisubmarine warfare aircraft by 2008 and its mission replacement by a combination of P-3C Orion maritime patrol aircraft and SH-60R Seahawk multi-mission helicopter;
- (5) Replacement of the S-3B Viking in its tanker role by F/A-18E/F fighter aircraft with a aircraft refueling capability;
- (6) Service life extension of the P-3C Orion maritime patrol aircraft;
- (7) Service life extension of the EP-3E Aries electronic surveillance aircraft;
- (8) Cancellation of the concept of a common support aircraft that would combine the mission of the E-2C Hawkeye airborne early warning aircraft with the missions of the S-3 Viking and C-2 Greyhound aircraft;
- (9) Delay introduction of a multi-mission maritime aircraft to replace the P-3C Orion and EP-3E Aries to no later than 2015; and
- (10) Reduction of the number of strike aircraft in a carrier air wing from 56 to 50.

The committee commends the Navy for its initiative in developing a long-term plan for naval aviation that attempts to meet the challenges of affordability and effectiveness in a budget constrained environment. The committee recognizes the issues of current and future operational requirements, current force capabilities, per-sonnel, training, research and development, procurement, logistics, and estimated funding available that must be considered in developing such a plan. The committee notes that the Navy's plan is not complete and was not available during the committee's review of the budget request.

The committee urges the Secretary of the Navy to provide information on the Navy's revised aviation modernization plan to the congressional defense committees at the earliest opportunity to ensure adequate opportunity for oversight review of this important initiative prior to receipt of the budget request for fiscal year 2002.

Page 216, Items of Special Interest

AN/AQS-20/X mine hunting sonar

The budget request contained \$47.3 million in PE 64373N for airborne mine countermeasures engineering and manufacturing development, including \$14.9 million to continue development of the AN/AQS-20/X helicopter-towed, mine hunting sonar system. The AN/AQS-20/X will be the common mine hunting sonar system for the submersible Minehunting System (RMS) and the CH-60S airborne mine countermeasures (AMCM) helicopter that will provide the primary organic mine counter-measures capabilities for the fleet. The committee notes the progress that has been made in the development of the AN/AQS-20/X mine hunting sonar and the Navy's decision in fiscal year 1999 to add an electro-optical sensor to the system's mine detection, localization and classification capabilities. The committee also notes that incorporating current state-of-the-art, commercial-off-the-shelf (COTS) processor technology in the AN/AQS-20/X would significantly improve system performance, eliminate obsolescent components dating from the early 1990s, permit any system to operate from either the AMCM helicopter or the RMS, and significantly upgrade computer-aided detection and classification of mines and mine-like objects. Accordingly, the committee recommends \$64.3 million in PE 64373N, an increase of \$17.0 million for incorporation of COTS processor technology in the AN/AQS-20/X mine hunting sonar.

Page 227 and 228, Items of Interest

Vectored thrust ducted propeller compound helicopter demonstration

The budget request contained \$76.3 million in PE 63792N for advanced technology transition, including the vectored thrust ducted propeller (VTDP) compound helicopter advanced technology demonstration project, and \$13.2 million in PE 64212N for development of the CH-60S airborne mine counter measures helicopter. The committee notes that the Navy has placed a high priority on the development of an organic airborne mine countermeasures capability and the demonstration of a variant of the CH-60 helicopter for the towed airborne mine counter measures (AMCM) missions. As a back-up technology, the Navy plans an advanced technology demonstration (ATD) of the VTDP compound

helicopter to demonstrate and assess the helicopter's towed AMCM capability, other multi-mission capabilities, and life cycle cost effectiveness. The committee notes reports by Navy officials that early results from CH-60 land- and sea-based tow tests indicate that the helicopter should be able to perform the towed AMCM mission and that the final phase of the tow test will begin in late fiscal year 2000. Following integration of AMCM systems and sensors on the CH-60S helicopter, the Navy plans initial operational capability of the helicopter in its organic AMCM role in fiscal year 2005. The committee report on H.R. 1401 (H. Rept. 106-162) directed the Secretary of the Navy to assess the requirements, schedule, and cost of conducting the ATD for the VTDP compound helicopter. The Secretary's report, dated March 2000, states that the requirement to demonstrate the potential value of this back-up technology for the AMCM mission and other multi-mission applications remains unchanged, and that the Navy has programmed the funds required through fiscal year 2002 to complete the demonstration, including \$11.3 million in fiscal year 2001. The Department plans to begin a two-phased ATD in the third quarter of fiscal year 2000, contingent upon successful completion of VTDP ground test, and to complete flight testing in fiscal year 2004. The report also indicated delays in completion of the ground test are being assessed for their effect on project cost, schedule, and risk. The Secretary's report concludes that the Department will proceed with the ATD as planned and will advise the Congressional defense committees regarding any significant information that would affect the project's progress. The committee intends to monitor closely the Navy's progress in development of the CH-60S helicopter for the AMCM mission and progress in the VTDP compound helicopter ATD. The committee recommends \$11.3 million, the requested amount, in PE 63792N for continuation of the VTDP compound helicopter demonstration project.

Page 523, Authorization of Appropriations

H.R. 4205 would authorize DoD to enter into new multiyear contracts for three weapons systems: Blackhawk (UH-60L) helicopters, Knighthawk (CH-60S) helicopters, and Bradley fighting vehicles. The Blackhawk and Knighthawk helicopters would be purchased under one contract administered by the Army and covering five years of production beginning in 2002. The contract for the Bradley fighting vehicles would cover three years starting in 2001. H.R. 4205 would also extend the authorization of multiyear procurement of the Arleigh Burke class destroyer by two years through 2005.

SASC LANGUAGE (Rpt. 106-292)

Page 59, Aircraft Procurement, Navy

7 AH-1W (HELICOPTER) SEA COBRA	-	2,452	-	-	-	2,452
8 SH-60R	4	162,327	3	96,000	7	258,327
0 B-20 (EARLY WARNING) HAWKEYE (MID)	5	164,883	-	-	5	164,883

Page 59, Aircraft Procurement, Navy

AIRLIFT AIRCRAFT						
11 CH-60S (MYP)	15	238,457	3	63,000	18	301,457
11 LESS: ADVANCE PROCUREMENT (PY)	-	(73,386)	-	-	-	(73,386)
12 ADVANCE PROCUREMENT (CY)	-	80,411	-	-	-	80,411
13 UC-35	-	-	6	48,600	6	48,600

Page 60, Aircraft Procurement, Navy

27 SH-60 SERIES	-	21,088	-	-	-	21,088
28 SH-60 SERIES	-	21,088	-	-	-	21,088
29 H-1 SERIES	-	2,642	-	27,500	-	30,142

Multiyear procurement authority for certain Army and Navy programs (sec. 111)

The committee recommends a provision that would authorize the Army to enter into multiyear procurement contracts for the Bradley A3 Infantry Fighting Vehicle, the UH-60L Blackhawk heli-copter, and the CH-60S Seahawk helicopter. For the Bradley A3 Infantry Fighting Vehicle, the multiyear procurement authority is for a period not to exceed three years, beginning in fiscal year 2001. The committee notes the Army is scheduled to complete the initial operational test and evaluation (IOT&E) of the Bradley A3, and a subsequent milestone III review in the fourth quarter of fiscal year 2000. The committee expects the Secretary of the Army to ensure that the Army successfully completes the IOT&E and milestone III review prior to awarding the multiyear contract.

Page 86, Other Navy Programs, Navy Aircraft

Airborne low frequency sonar

The budget request included \$162.3 million for the procurement of four remanufactured SH-60R helicopters. The airborne low frequency sonar (ALFS) is a subsystem of the SH-60R. ALFS is a helicopter borne low frequency dipping sonar system that can be rapidly deployed from aircraft carriers and surface combatants to detect and track submarines both in blue water and the littorals. The committee recommends an increase of \$6.0 million for the procurement, installation, and spare parts for the ALFS resulting in a more efficient low rate initial production.

SH60 helicopters

The budget request included \$162.3 million for the procurement of four remanufactured SH-60R helicopters. The remanufacturing scope includes the airframe, an avionics upgrade, service life extension and incorporation of engineering change proposals. It represents a significant improvement, providing the battle group with added protection in the coastal littorals and in regional conflicts. The Navy included the procurement of additional SH-60R helicopters on its unfunded requirements list. The committee recommends an increase of \$90.0 million for the procurement of three SH-60R helicopters.

CH60 helicopters

The budget request included \$238.5 million for the procurement of 15 CH-60S helicopters, less \$73.4 million in advanced procurement from prior years. The primary roles of the CH-60S are to conduct vertical replenishment with external transfer of cargo and internal transfer of passengers ship-to-ship, ship-to-shore, and shore-to-ship, and to conduct day and night search and rescue. The Navy has included the procurement of additional CH-60S helicopters on its unfunded requirements list. The committee recommends an increase of \$63.0 million for the procurement of three CH-60S helicopters.

Page 179 and 180, RDT&E, Navy

Parametric airborne dipping sonar

The budget request included no funds for the parametric airborne dipping sonar (PADS). The PADS program is the continuation of a small business innovative research project that is de-signed to develop, demonstrate, and evaluate the three dimensional, stabilized steerable acoustic beams for mine avoidance and submarine detection in shallow water. It is the only system that has the potential to provide airborne active dipping sonars with antisubmarine and anti-mine capabilities for shallow water littoral operations. The committee is encouraged with test results that demonstrated anti-mine detection capability superior to present and other planned systems. In addition, Navy analysis and present plans include the possibility of PADS being a shallow water adjunct to the Airborne Low Frequency sonar (ALFS) system deployed on H-60 helicopters. Demonstrations of its capability with the H-60 aircraft have thus far been successful. The dual mine and submarine warfare potential of PADS makes it a flexible and cost effective war fighting enhancement for two deficient missions: mine location and diesel submarine detection. The Navy is encouraged to continue the present testing and development of PADS. The committee recommends an increase of \$10.0 million in PE 64212N for the continued development of PADS.

Multi-mission helicopter upgrade development

The budget request included \$69.9 million for the continued development of the multi-mission helicopter upgrade. Although the Navy had planned to integrate the advance threat infrared counter-measure (ATIRCM) on the SH-60R, a fiscal year 1999 program and schedule restructure has resulted in a funding shortfall to complete this integration on time. The committee recommends an increase of \$8.0 million in PE 64216N to continue to develop the integrated self-defense suite for the SH-60R, a total authorization of \$77.9 million.

CASC LANGUAGE (Rpt. 106-945)

Page 578, Aircraft Procurement, Navy

7 AH-1W (HELICOPTER) SEA COBRA	-	2,452	-	2,452	-	2,452	-	-	-	2,452
8 SH-60R	4	162,327	4	162,327	7	250,427	2	47,330	6	209,657

Page 578, Aircraft Procurement, Navy

AIRLIFT AIRCRAFT										
11 CH-60S (MYP)	15	238,457	17	280,357	18	301,457	2	41,850	17	280,307
11 LESS: ADVANCE PROCUREMENT (PY)	-	(73,386)	-	(73,386)	-	(73,386)	-	-	-	(73,386)
12 ADVANCE PROCUREMENT (CY)	-	80,411	-	80,411	-	80,411	-	-	-	80,411
13 HC-35	-	-	2	15,200	2	15,200	1	7,600	1	7,600

Page 578, Aircraft Procurement, Navy

27 H-53 SERIES	-	19,919	-	19,919	-	19,919	-	1,800	-	21,719
28 SH-60 SERIES	-	21,088	-	29,088	-	21,088	-	-	-	21,088
29 H-1 SERIES	-	2,642	-	2,642	-	21,142	-	13,000	-	15,642

Page 581, Aircraft Procurement, Navy

SH-60R helicopter

The budget request included \$162.3 million for the procurement of four remanufactured SH-60R helicopters, including the airborne low frequency sonar system (ALFS).

The House bill would authorize the budget request.

The Senate amendment would authorize an increase of \$82.1 million for the procurement of three additional remanufactured SH-60R helicopters and an increase of \$6.0 million for ALFS, a total increase of \$88.1 million.

The conferees agree to authorize an increase of \$47.3 million, as follows:

- (1) an increase of \$52.4 million for the procurement of two additional remanufactured SH-60R helicopters;
- (2) an increase of \$4.9 million for ALFS;
- (3) a decrease of \$5.0 million due to cost growth in non-recurring items; and
- (4) a decrease of \$5.0 million due to avionics support equipment that can be deferred.

HAC LANGUAGE (Rpt. 106-644)

Page 107, Aircraft Procurement, Navy

	request	recommended	request
SH-60R	162,327	152,327	- 10,000
Non-recurring cost growth			- 5,000
Avionics support equipment deferment			- 5,000

Page 107, Aircraft Procurement, Navy

	request	recommended	request
SH-60 SERIES	21,088	39,088	+18,000
AN/AQS-13F			+8,000
Specific Emitter Identification (procurement/installation)			+10,000
H-1 SERIES	2,642	16,642	+14,000

Page 109, Aircraft Procurement, Navy

AH-1W (HELICOPTER) SEA COBRA	--	2,452	--	2,452	--	---
SH-60R	4	162,327	4	152,327	--	-10,000
E-2C (EARLY WARNING) HAWKEYE (MYP)	5	252,790	5	252,790	--	---

Page 109, Aircraft Procurement, Navy

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AIRLIFT AIRCRAFT						
CH-60S (MYP)	15	165,071	15	165,077	--	+6
CH-60S (MYP) (AP-CY)	--	80,411	--	80,411	--	---
UC-35	--	---	2	15,200	+2	+15,200
VP-3 REPLACEMENT AIRCRAFT	1	50,274	1	50,274	--	---

* Misprint – CH-60S (MYP) should read +60 versus +6

Page 109, Aircraft Procurement, Navy

H-53 SERIES	--	7,120	--	13,120	--	+6,000
H-53 SERIES	--	19,919	--	22,519	--	+2,600
SH-60 SERIES	--	21,088	--	39,088	--	+18,000
H-1 SERIES	--	2,642	--	16,642	--	+14,000

Page 163, RDT&E, Navy

OTHER HELO DEVELOPMENT	24,393	38,393	+14,000
Upgrade ship ground station at NAWCAD to a ship and air integration facility			+4,000
CH-60S airborne mine countermeasures [Note: Only for continued systems engineering development of the CH-60S carriage, stream, tow, and recovery system.]			+10,000
STANDARDS DEVELOPMENT	95,214	102,214	+7,000

Calibration and measurement technology for reduced crew size						+3,000
MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT		69,946		79,946		+10,000
ATIRCM/CMWS integration on the SH-60R						+5,000
TADIRCM						+5,000
P-3 MODERNIZATION PROGRAM		2,906		8,906		+6,000

Contains no language.

SAC LANGUAGE (Rpt. 106-298)

AH-1W (HELICOPTER) SEA COBRA		2,452		2,452		
SH-60R	4	162,327	7	249,027	+3	+86,700
E-2C (EARLY WARNING) HAWKEYE (MYP)	5	252,790	4	192,232	-1	-60,558

AIRLIFT AIRCRAFT:						
CH-60S (MYP)	15	165,071	18	227,846	+3	+62,775
CH-60S (MYP) (AP-CY)		80,411		80,411		

H-33 SERIES		19,919		23,119		+3,200
SH-60 SERIES		21,088		23,888		+2,800
H-1 SERIES		2,642		21,202		+18,750

Premature IDECM RFCM Production Quantities				-29,600		-29,600
SH-60R		162,327		249,027		+86,700
Three (3) Additional SH-60R Modifications				78,600		+78,600
AQS-22 Airborne Low Frequency Sonar (ALFS)				6,000		+6,000
Integrated Mechanical Diagnostic System (IMDS)				2,100		+2,100
E-2C (EARLY WARNING) HAWKEYE (MYP)		252,790		192,232		-60,558

GFE ELECTRONICS COST GROWTH				-10,000		-10,000
CH-60S (MYP)		165,071		227,846		+62,775
Three (3) Additional CH-60 Helicopters				62,775		+62,775

Integrated Mechanical Diagnostic System (IMDS)				2,800		+2,800
SH-60 SERIES		21,088		23,888		+2,800
Integrated Mechanical Diagnostic System (IMDS)				2,800		+2,800

H-60	23,648	23,648		
OTHER AIRCRAFT	29,214	29,214		

Contains no language.

CAC LANGUAGE (Rpt. 106-754)

AH-1W (HELICOPTER) SEA GUNRA	2,452	2,452	2,452	2,452
SH-60R	162,327	152,327	249,027	211,357
ELC-25 (ELC-25) (HELICOPTER)				
AIRLIFT AIRCRAFT				
CH-60S (MYP)	165,071	165,077	227,846	206,921
CH-60S (MYP) (AP-CY)	80,411	80,411	80,411	80,411
UC-35				

SR-60 SERIES	21,088	39,088	23,888	37,188
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Premature IDECM RFCM Production Quantities			-29,600	-29,600
SH-60R	162,327	152,327	249,027	211,357
Non-recurring cost growth		-5,000		-5,000
Avionics support equipment deforment		-5,000		-5,000
Two (2) Additional SH-60R Modifications			78,800	52,400
AQS-22 Airborne Low Frequency Sonar (ALFS)			6,000	4,930
Integrated Mechanical Diagnostic System (IMDS)			2,100	1,700

GFE Electronics Cost Growth			-10,000	-5,000
CH-60S (MYP)	165,071	165,071	227,846	206,921
Two (2) Additional CH-60 Helicopters			62,775	41,850
UC-35		15,200		7,800

Contains no language.