COMMITTEE LANGUAGE FOR FISCAL YEAR 2004
TACTICAL UAVs

TACTICAL UAV - Pioneer
ACCOUNT: WPN

PRESBUD	HASC	SASC	CASC	HAC	SAC	CAC
13,622	13,622	13,622	13,622	13,622	7,822	10,122

TACTICAL UAV
ACCOUNT: RDT&E, Navy

PRESBUD	HASC	SASC	CASC	HAC	SAC	CAC
56,521	74,021	102,921	106,921	48,321	102,921	86,721

ENDURANCE UAV
GLOBAL HAWK UAV
ACCOUNT: RDT&E, Navy

PRESBUD	HASC	SASC	CASC	HAC	SAC	CAC
101,448	93,048	101,448	101,448	68,048	101,448	101,448

HASC LANGUAGE (Rpt. 108-106)

Page 61, Weapons Procurement, Navy

Line	PROGRAM TITLE	Authorization Request		Change		Increase		Decrease		Committee Authorization	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
35	PIONEER	-	13,622							-	13,622

Page 165, RDT&E, Navy

0305204N	206	Tactical Unmanned Aerial Vehicles	56,521	17,500			74,021
		Airborne Buried Mine Detection			2,000		
		Shadow 200 System Components for USMC			8,500		
		Unmanned Aerial Vehicle Joint Operational Test Bed System			7,000		
0305205N	207	Endurance Unmanned Aerial Vehicles	101,448	(8,400)			93,048
		Global Hawk Maritime Demonstration				(8,400)	

Page 197, RDT&E, Navy

Unmanned aerial vehicle joint operational test bed system
The budget request contained $56.5 million in PE 35204N for tactical unmanned aerial vehicles, but included no funding for the Joint Forces Command (JFCOM) unmanned aerial vehicle (UAV) joint operational test bed system (JOTBS).

The committee is aware that UAV interoperability is fundamental to optimal joint operations. The Joint Forces Command UAV JOTBS was established to further development of various service UAV's to ensure interoperability under realistic conditions, and the committee strongly supports this mission.
The committee recommends an increase of $7.0 million in PE 35204N for the JFCOM JOTBS.

Page 197, RD&TE, Navy

Unmanned aerial vehicles concept of operations
The budget request contained $7.1 million in PE 63261N for tactical airborne reconnaissance unmanned aerial vehicle (UAV) concept of operations studies for the Navy.
The committee notes that both the Navy's broad area maritime surveillance (BAMS) and Global Hawk maritime demonstration system (GHMD) programs contain funding for concept of operations and interoperability studies. The Navy has covered the course for UAV concept of operations through the years, and naval UAV integration has shown scant benefit from such efforts. The committee believes that the funding is better applied within the UAV programs themselves.
The committee supports the requirement for UAV integration into the naval environment but believes that this program is duplicative of other Navy efforts.
The committee recommends no funds in PE 63261N, a decrease of $7.1 million.

SASC LANGUAGE (Rpt. 108-46)

Page 53, Weapons Procurement, Navy

35	PIONEER	13,622			13,622

Page 169, RDT&E, Navy

0305204N	206	TACTICAL UNMANNED AERIAL VEHICLES Fire Scout UAV	56,521	46,400 [46,400]	102,921
0305205N	207	ENDURANCE UNMANNED AERIAL VEHICLES	101,448		101,448

Page 186, RDT&E, Navy

Fire Scout RQ–84
The budget request included $56.5 million in PE 35204N for Tactical Unmanned Aerial Vehicles. The committee recommends an increase of $46.4 million for the continuation of the Fire Scout RQ–8A program. Although the Navy has recently expressed renewed interest in the Fire Scout program as a key unmanned component for the Littoral Combat Ship, the committee is concerned by last year's cancellation by the Navy of this important vertical tactical unmanned platform. The committee expects the Navy to restore full funding for this platform in fiscal year 2005.

CASC LANGUAGE (Rpt. 108-354)

Page 487, Weapons Procurement, Navy

	Other					
35	PIONEER	13,622	13,622	13,622		13,622

Page 576, RDT&E, Navy

0305204N	206	TACTICAL UNMANNED AERIAL VEHICLES	56,521	74,021	102,921	50,400	106,921
		Fire Scout UAV			[46,400]	[46,400]	
		Airborne buried mine detection		[2,000]			
		Shadow 200 system components for USMC		[8,500]			
		UAV Joint Operational Test Bed System		[7,000]		[4,000]	

Page576, RDT&E, Navy

0305205N	207	ENDURANCE UNMANNED AERIAL VEHICLES	101,448	93,048	101,448		101,448
		Global Hawk maritime demonstration		[-8,400]			

Contains no language.

HAC LANGUAGE, (Rpt. 108-187)

Page 141, Weapons Procurement, Navy

OTHER					
TACTICAL UAV - PIONEER	---	13,622	---	13,622	---

Page 247, RDT&E, Navy

	enhancement and upgrade to existing TACSI project		
206	**TACTICAL UNMANNED AERIAL VEHICLES**	**56,521**	**48,321**	**-8,200**
	Miniature detection devices for Navy UAV payload			+1,000
	FIRESCOUT RQ-8A			+15,000
	Precision Re-Supply Vehicle			+5,000
	Joint Operational Test Bed (JOTBS) for UAVs			+4,000
	Coastline Security Technology Initiative			+3,500
	Tactical Control System			-36,700
207	**ENDURANCE UNMANNED AERIAL VEHICLES**	**101,448**	**68,048**	**-33,400**
	Global Hawk maritime demonstration- survivability package			-8,400
	Global Hawk maritime demonstration- slow obligations/expenditures of 2003 funds			-25,000

Pages 252 and 253, RDT&E, Navy

TACTICAL UNMANNED AERIAL VEHICLES
The Committee recommends an increase of $1,000,000 only to continue the development of lightweight, low power nuclear, chemical, and biological sensors and isotope identification techniques utilizing MEMS technology and innovative detection devices to identify airborne chemical/biological threats and hazardous material.

The Committee recommends an increase of $4,000,000 for the Joint Operational Test Bed that is only for the use of the Commander, U.S. Joint Forces Command for the JOTBS. These funds may be used to obtain unmanned aerial vehicle systems and subsystems for interoperability experimentation. The DD 1414 shall
identify JOTBS as a special Congressional interest item.

The Committee recommends an increase of $3,500,000 for the Coastline Security Technology Initiative that is only for continuation of work with the Institute for Ocean and Systems Engineering to develop surface and airborne autonomous and remotely operated platform surveillance systems for deployment along U.S. coastlines.

The Committee recommends a reduction of $36,700,000 for the Tactical Control System (TCS) and terminates the program. The Committee's recommendation is based on the failure of TCS, after an investment of six years and almost $200,000,000, to produce a multi-Service interoperable UAV control system. The Committee supports UAV interoperability, however desired interoperability should focus on the development of standards of operation, not forcing the Services to be interoperable with a particular system and various levels of control.

The fiscal year 2004 request for TCS is focused on a single Service, Navy, and a single platform, the Broad Area Maritime Surveillance (BAMS) platform, which to date has not been determined.

Another platform under consideration for TCS interoperability is the Navy's Pioneer, which is being transferred to the Marine Corps.

This system, first deployed in 1996, is to be upgraded to provide the Marines with a limited level of medium altitude UAV coverage until 2010. The Navy's plan to invest over $6,000,000 in the Pioneer UAV appropriation to make it interoperable with TCS is not cost effective. The Marines Corps could instead pursue interoperability with the Army's Shadow 200 ground station.

SAC LANGUAGE (Rpt. 108-87)

Page 85, Weapons Procurement, Navy

35	OTHER: TACTICAL UAV—PIONEER	.....	13,622	.....	7,822	.....	−5,800

Page 86, Weapons Procurement, Navy

	MK–38 Gun	.....	.....	−10,000
35	PIONEER	13,622	7,822	−5,800
	Insufficient Acquisition Strategy	.....	.....	−5,800

Page 148, RDT&E, Navy

205	JOINT MILITARY INTELLIGENCE PROGRAMS	5,314	5,314	.....
206	TACTICAL UNMANNED AERIAL VEHICLES	56,521	102,921	+46,400
207	ENDURANCE UNMANNED AERIAL VEHICLES	101,448	101,448	.....
208	AIRBORNE RECONNAISSANCE SYSTEMS	13,345	28,445	+15,100

Page 154, RDT&E, Navy

	Insufficient Justification	.....	.....	−13,900
206	TACTICAL UNMANNED AERIAL VEHICLES	56,521	102,921	+46,400
	Fire Scout UAV	.....	.....	+46,400
208	AIRBORNE RECONNAISSANCE SYSTEMS	13,345	28,445	+15,100

Page 157, RDT&E, Navy

*FireScout Unmanned Aerial Vehicl*e.—The Committee has included an additional $46,400,000 for the FireScout unmanned aerial vehicle program. The Committee directs that the eight FireScouts procured be available for Naval concept of operations studies (to include those for the Littoral Combat Ship) and that, from remaining funds, the Navy shall develop and implement a complete operational testing plan for this system.

CAC LANGUAGE (Rpt. 108-283)

Page 176, Weapons Procurement, Navy

OTHER				
TACTICAL UAV - PIONEER.....	13,622	13,622	7,822	10,122

Page 177, Weapons Procurement, Navy

35 TACTICAL UAV - PIONEER	**13,622**	**13,622**	**7,822**	**10,122**
Insufficient improvement strategy			-5,800	-3,500

Page 267, RDT&E, Navy

TACTICAL UNMANNED AERIAL VEHICLES.....	56,521	48,321	102,921	86,721

Page 267, RDT&E, Navy

ENDURANCE UNMANNED AERIAL VEHICLES.....	101,448	68,048	101,448	101,448

Page 289, RDT&E, Navy

206 TACTICAL UNMANNED AERIAL VEHICLES	**56,521**	**48,321**	**102,921**	**86,721**
Miniature detection devices for Navy UAV payload		+1,000		+1,000
FIRESCOUT UAV		+15,000	+46,400	+32,500
Precision Re-Supply Vehicle		+5,000		+4,250
Joint Operational Test Bed (JOTBS) for UAVs		+4,000		+2,400
Coastline Security Technology Initiative		+3,500		+1,750
Tactical Control System		-36,700		-11,700

Page 289, RDT&E, Navy

207 ENDURANCE UNMANNED AERIAL VEHICLES	**101,448**	**68,048**	**101,448**	**101,448**
Global Hawk maritime demonstration- survivability package		-8,400		0
Global Hawk maritime demonstration- slow obligations/expenditures of 2003 funds		-25,000		0

Pages 291 and 292, RDT&E, Navy

TACTICAL CONTROL SYSTEM FOR UNMANNED AERIAL VEHICLES

The conferees agree with the House position that the fiscal year 2004 request for the multi-Service Tactical Control System (TCS) for multi-Service UAV control, is focused on Navy-centric UAV systems that are neither multi-Service nor interoperable with other UAV programs. The conferees also agree the Navy has a requirement for a single system that will support the operation of multiple UAVs from both fixed and moving platforms and understand that the

FireScout and Global Hawk Maritime Demonstration platforms, the focus of the 2004 TCS efforts, meet current Navy needs.

Therefore, the conferees direct the Navy to restructure the existing TCS program to focus on its requirements. The conferees agree to provide $25,000,000 to support the continued development of the Navy's TCS program required to achieve this critical capability. The conferees direct that no fiscal year 2004 funds may be obligated or expended for TCS until the Navy submits a report to the House and Senate Committees on Appropriations, which details its plan for this restructured program. At a minimum, the report shall include the Navy's requirement for the TCS system, a plan to meet standards based on interoperability, and the Navy's UAV roadmap that justifies the requirement for TCS.