

							DATE					
							February 2011					
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE										
WPN - BA-2 OTHER MISSILES		2433 Fleet Satellite Communications Follow-On										
	PY	FY 2010	FY 2011	FY 2012	FY 2012 OCO	FY 2012 TOTAL	FY 2013	FY 2014	FY 2015	FY 2016	TO COMP	TOTAL
QUANTITY	2	2	2	1	0	1	1	0	0	0	2	10
MUOS Satellites	1	1	1	0	0	0	0	0	0	0	1	4
MUOS Launch Vehicles	1	1	1	1	0	1	1	0	0	0	1	6
COST												
(in millions)	\$ 544.782	\$ 509.862	\$ 505.734	\$ 238.215	\$ -	\$ 238.215	\$ 204.957	\$ 22.870	\$ 8.894	\$ 9.219	Cont	Cont

PROGRAM COVERAGE:

This Budget Line funds one major component:
The Mobile User Objective System (MUOS) satellites and launch vehicles

MUOS:

MUOS will provide a worldwide, multi-service population of mobile and fixed-site terminal users with narrowband beyond line of sight satellite communications (SATCOM) services. Capabilities will include a considerable increase to current narrowband SATCOM capacity as well as a significant improvement in availability for small terminals.

Using Research Development Test & Evaluation, Navy (RD TEN) funds, Concept Exploration contracts were awarded in early FY 2000 and completed in late FY 2001. Two RD TEN-funded Component Advancement Development (CAD) contracts were awarded in Q4 FY 2002. RD TEN-funded Risk Reduction and Design Development (RRDD) contract was awarded in September 2004 for the first two satellites, system engineering and associated ground infrastructure. Weapons Procurement, Navy (WPN) funds will be used to procure the remaining four satellites and launch vehicles and services for all six satellites. Note, satellite 6 is planned in 2020.

MUOS WPN funding for FY 2010 supported the following:

- Advance Procurement required for the fifth (#5) MUOS satellite.
- Procurement of the fourth (#4) MUOS satellite.
- Evolved Expendable Launch Vehicle (EELV) costs for the second (#2) MUOS satellite.
- Production engineering, product improvement and quality assurance support.

MUOS WPN funding for FY 2011 supports the following:

- Procurement of the fifth (#5) MUOS satellite.
- Evolved Expendable Launch Vehicle (EELV) costs for the third (#3) MUOS satellite.
- Production engineering, product improvement and quality assurance support.

MUOS WPN funding for FY 2012 will support the following:

- Evolved Expendable Launch Vehicle (EELV) costs for the fourth (#4) MUOS satellite.
- Production engineering, product improvement and quality assurance support.

Ground Systems

- Tech refresh equipment for the ground sites.

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COST ANALYSIS										DATE			
										February 2011			
APPROPRIATION ACTIVITY					P-1 ITEM NOMENCLATURE								
WPN - BA-2 OTHER MISSILES					2433 Fleet Satellite Communications Follow-On								
TOTAL COST IN THOUSANDS OF DOLLARS													
COST CODE	ELEMENT OF COST	ID CODE	PY		FY 2010			FY 2011			FY 2012		
			TOTAL COST	QTY	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
EU208	Advance Procurement - FY 2008 (MUOS) (Note 1)	A	52,452										
AP209	Advance Procurement - FY 2009 (MUOS) (Note 2)	A	27,776										
AP210	Advance Procurement - FY 2010 (MUOS) (Note 3)	A				28,846							
EU510	Satellite Procurement (MUOS) (Notes 2, 3, and 4)	A	285,927	1	1	296,972	296,972	1	315,822	315,822			
EU520	EELV Launch Vehicles (MUOS) (Notes 3, 4, 5, and 6)	A	129,700		1	154,144	154,144	1	176,800	176,800	1	205,200	205,200
EU530	Production Support (PS) (MUOS)												
	Advance Procurement items		7,622			2,093							
	Satellite Production		27,282			17,941			8,581			5,474	
	EELV Launch Vehicle Production		12,321			9,867			4,530			4,530	
	Ground System Updates											396	
EU540	Ground System Upgrades (quantity represents number of ground stations supported.)										4		22,616
DHXXX	Acquisition Workforce Fund - 2009		1,702										
	PB12 Total Control		544,782			509,862			505,734			238,215	

NOTES:

- As a result of National Security Agency requirements, the MUOS program is required to procure long lead material for Radio Access Facility (RAF) to support Satellite #3.
- MUOS Key Decision Point - Build Approval (KDP-BA) Acquisition Decision Memorandum (ADM) signed on 15 Mar 2008. Milestone Decision Authority (MDA) authorized program to enter Build and Operations phase, initiate FY09 procurement of Satellite #3 and Long Lead Material for Satellite #4.
- MUOS Acquisition Decision Memorandum (ADM) signed on 22 Dec 2009, resulting from Defense Acquisition Executive (DAE) review. Milestone Decision Authority (MDA) authorized program to initiate FY10 procurement of Satellite 4, Long Lead Material for Satellite 5, and the Launch Vehicle for Satellite #2.
- MUOS Acquisition Decision Memorandum (ADM) signed on 18 Jan 2011, resulting from Defense Acquisition Executive (DAE) review. Milestone Decision Authority (MDA) authorized program to initiate FY11 procurement of Satellite #5; the Launch Vehicle for Satellite #4 in FY12 and Satellite #5 in FY13.
- Code A items in Satellite and Launch Vehicle line represents hardware authorized by MDA.
- Each EELV buy for the MUOS Satellites 1 through 5 "EELV Launch Service (ELS)" are separate buys that are individually negotiated separate from other DoD missions in that year and from other MUOS missions in follow-on years. The Launch and Range Systems Wing (LRSW), at Space and Missile Systems Center (SMC), provides the Navy with the estimated prices/costs for the ELS contract, Mission Unique Costs, and Launch Campaign support. Note, FY11 and FY12 reflects latest estimates from the US Air Force.

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PROCUREMENT HISTORY AND PLANNING											A. DATE	
B. APPROPRIATION/BUDGET ACTIVITY											February 2011	
WPN - BA-2 OTHER MISSILES											C. P-1 ITEM NOMENCLATURE	
											2433 Fleet Satellite Communications Follow-On	
COST CODE	ELEMENT OF COST	FY	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	LOCATION OF PCO	RFP ISSUE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
EU208	Advance Procurement - FY 2008 (MUOS) (Note 1)	FY08	Lockheed Martin / Sunnyvale, CA	C/FPIF/AF	SPAWAR	N/A	Nov-07	Sep-13	0	52,452	YES	
AP209	Advance Procurement - FY 2009 (MUOS) (Note 2)	FY09	Lockheed Martin / Sunnyvale, CA	C/FPIF/AF	SPAWAR	N/A	Nov-08	Sep-14	0	27,776	YES	
AP210	Advance Procurement - FY 2010 (MUOS) (Note 3)	FY10	Lockheed Martin / Sunnyvale, CA	C/FPIF/AF	SPAWAR	N/A	Jan-10	Sep-15	0	0	YES	
EU510	Satellite Procurement (MUOS) (Note 4)	FY09	Lockheed Martin / Sunnyvale, CA	C/FPIF/AF	SPAWAR	N/A	Nov-08	Sep-13	1	285,927	YES	
EU510	Satellite Procurement (MUOS) (Note 5)	FY10	Lockheed Martin / Sunnyvale, CA	C/FPIF/AF	SPAWAR	N/A	Jan-10	Sep-14	1	296,972	YES	
EU510	Satellite Procurement (MUOS) (Note 6)	FY11	Lockheed Martin / Sunnyvale, CA	C/FPIF/AF	SPAWAR	N/A	Jan-11	Sep-15	1	315,822	YES	
EU520	EELV Launch Vehicles (MUOS) (Note 7)	FY08	United Launch Alliance / Denver, CO	SS/FFP/CPAF	EELV, SMC	N/A	Mar-08	Sep-11	1	129,700	YES	
EU520	EELV Launch Vehicles (MUOS) (Note 8)	FY10	United Launch Alliance / Denver, CO	SS/FFP/CPAF	EELV, SMC	N/A	Mar-11	Jun-12	1	154,144	YES	
EU520	EELV Launch Vehicles (MUOS) (Note 9)	FY11	United Launch Alliance / Denver, CO	SS/FFP/CPAF	EELV, SMC	N/A	Aug-11	Jun-13	1	176,800	YES	
EU520	EELV Launch Vehicles (MUOS) (Note 10)	FY12	United Launch Alliance / Denver, CO	SS/FFP/CPAF	EELV, SMC	N/A	Jun-12	Jun-14	1	205,200	YES	

D. REMARKS
 Note 1: FY08 Advance Procurement for Satellite #3. Reflects delivery date of completed satellite.
 Note 2: FY09 Advance Procurement for Satellite #4. Reflects delivery date of completed satellite.
 Note 3: FY10 Advance Procurement for Satellite #5. Reflects delivery date of completed satellite.
 Note 4: FY09 Procurement of Satellite #3.
 Note 5: FY10 Procurement of Satellite #4.
 Note 6: FY11 Procurement of Satellite #5.
 Note 7: FY08 Procurement of Launch Vehicle for Satellite #1. Delivery reflects MUOS launch schedule for Satellite #1.
 Note 8: FY10 Procurement of Launch Vehicle for Satellite #2. Delivery reflects MUOS launch schedule for Satellite #2.
 Note 9: FY11 Procurement of Launch Vehicle for Satellite #3. Delivery reflects MUOS launch schedule for Satellite #3.
 Note 10: FY12 Procurement of Launch Vehicle for Satellite #4. Delivery reflects MUOS launch schedule for Satellite #4.

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							DATE					
							February 2011					
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE										
WPN - BA-2 OTHER MISSILES		2433 Fleet Satellite Communications Follow-On Advance Procurement (AP)										
	PY	FY 2010	FY 2011	FY 2012	FY 2012 OCO	FY 2012 TOTAL	FY 2013	FY 2014	FY 2015	FY 2016	TO COMP	TOTAL
COST (in millions)	\$ 80.228	\$ 28.847	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Mission and Description:

This Budget Line funds Advance Procurement for :
The Mobile User Objective System (MUOS) satellites

MUOS:

MUOS will provide a worldwide, multi-service population of mobile and fixed-site terminal users with narrowband beyond line of sight satellite communications (SATCOM) services. Capabilities will include a considerable increase to current narrowband SATCOM capacity as well as a significant improvement in availability for small terminals.

Using Research Development Test & Evaluation, Navy (RD TEN) funds, Concept Exploration contracts were awarded in early FY 2000 and completed in late FY 2001. Two RD TEN-funded Component Advancement Development (CAD) contracts were awarded in Q4 FY 2002. An RD TEN-funded Risk Reduction and Design Development (RRDD) contract was awarded in September 2004 for the first two satellites, system engineering and associated ground infrastructure. Weapons Procurement, Navy (WPN) funds will be used to procure the remaining four satellites and launch services for all six satellites. Note, satellite 6 is planned in 2020.

MUOS AP WPN funding for FY 2010 supported the following:

- Advance Procurement required for the fifth (#5) MUOS satellite.

Exhibit P-40, Budget Item Justification