COMMITTEE STAFF PROCUREMENT BACKUP BOOK

FY 2001 BUDGET SUBMISSION

February 2000

BALLISTIC MISSILE DEFENSE ORGANIZATION

Ballistic Missile Defense Organization

FY 2001 PRESIDENT S BUDGET SUBMISSION

Exhibit P-1

APPROPRIATION: 0300 PROCUREMENT, DEFENSE-WIDE February 2000

Millions of Dollars

Line No.	Nomenclature	Ident Code	FY 1999 Qty	FY 1999 Cost	FY 2000 Qty	FY 2000 Cost	FY 2001 Qty	FY 2001 Cost
BUDGET ACTIVITY 1: MAJOR EQUIPMENT								
28	National Missile Defense	A	0	0.000	0	0.000	0	74.530
27	PATRIOT PAC-3	A	0	187.400	32	343.773	40	365.457
30	Navy Area TBMD Program	A	0	42.700	0	18.143	0	0.000
29	TMD-BM/C^3I	A	0	22.500	0	0.000	0	3.975
	TOTAL			252.600		355.900		1,210.200

PROCUREMENT, DEFENSEWIDE
Justification

($ s in Thousands)

FY 1999 Actual	252,601
FY 2000 Estimate	361,916
FY 2001 Estimate	443,962
FY 2002 Estimate	1,881,140

Ballistic Missile Defense Organization

Purpose and Scope of Work

These funds provide for the purchase of the latest technologically advanced systems necessary for locating, identifying, tracking and destroying ground launched ballistic missiles.

Justification of Funds

National Missile Defense: The NMD Program was designated a Major Defense Acquisition Program (MDAP) in April 1996. The technological maturity of the system will be accessed at a Deployment Readiness Review (DRR) in 3Q/00. Following this review a decision may be made to complete system development and field an initial C1 capability system in Alaska by the end of the FY 2005 and an expanded capability, C1 Prime, by the end of FY 2007.

The NMD system consists of a weapon system, ground based sensors, and a Battle Management Command, Control, and Communications (BMC3) system. The interceptor consists of an Exoatmospheric Kill Vehicle (EKV) atop a Commercial Off-The-Shelf (COTS) booster stack. The ground-based sensors include the development of an X-band radar (XBR) and the upgrade of existing early warning radars (UEWR). The BMC3 system includes integration with

existing national command and control systems, a ground communication network, and a communication system to transmit data to and from the interceptor while in flight. The NMD system will also use space-based assets for threat launch detection and tracking. The Air Force Space Based Infrared System — Low-Earth Orbit (SBIRS Low) is an integral part of enhancing future NMD capabilities.

The reduction is due to a realignment within the National Missile Defense program acquisition strategy to support FY05 program C1 and C1 Prime. Funds were realigned to the RDT&E appropriation.

PATRIOT Advanced Capability 3(PAC-3: The PAC-3 provides a significant increase in firepower, lethality, and defended battlespace through a series of integrated, phased improvements to the ground radar, communications, and command and control system, and introduces the new PAC-3 missile. The PAC-3 missile is a high velocity, hit-to-kill, surface-to-air missile with the range, accuracy and lethality necessary to effectively intercept and destroy tactical missiles to include those armed with Weapons of Mass Destruction. The reduction of missiles in FY01 is due to the updated cost position which identified potential cost risk to the FY00/FY01 missile procurement.

Navy Area Theater Ballistic Missile Defense (TBMD): The Navy Area TBMD provides for modification to the AEGIS Combat System (ACS) to include AWS modifications to the command and decision system, the Radar System (AN/SPY-1B/D) and the AEGIS Display Systems, as well as the production of the Theater Ballistic Missile Defense version of the SM-2, the Block IVA, and production transition efforts required for production. The reduction of missile quantities in FY00/FY01 is due to Congressional reprogramming of $38M from procurement to RDT&E in FY00 and reprogramming of FY01 procurement funds to RDT&E to cover the rebaseline effort.

TMD-BM/C^3I: Procurement provides for management, software support, and upgrade requirements for JTIDS/MIDS terminals via various TMD platforms.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2000

Appropriation / Budget Activity/Serial No: Procurement, Defense-wide / 1 / Major Equipment

P-1 Item Nomenclature: NATIONAL MISSILE DEFENSE INTEGRATION (C02400)

Program Elements for Code B Items: 0208871C

Code: B

Other Related Program Elements: 0603871C

	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete
Proc Qty								29	60	58	
Gross Cost	0.0	0.0	0.0	0.0	0.0	74.5	1,536.5	1,221.5	1,238.2	1,078.6	1,655.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	0.0	0.0	0.0	0.0	0.0	74.5	1,536.5	1,221.5	1,238.2	1,078.6	1,655.8
Initial Spares											
Total Proc Cost	0.0	0.0	0.0	0.0	0.0	74.5	1,536.5	1,221.5	1,238.2	1,078.6	1,655.8
Flyaway U/C											
Wpn Sys Proc U/C											

DESCRIPTION: The National Missile Defense (NMD) Program was designated a Major Defense Acquisition Program (MDAP) in April 1996. The goal of the NMD program develop, demonstrate and maintain an option to deploy a national missile defense system to defend the United States against a limited strategic ballistic missile threat by a nation. The technological maturity of the system will be accessed at a Deployment Readiness Review (DRR) in 3Q/00. Following this review a decision may be made to c system development and field an initial C1 capability system in Alaska by the end of FY2005 and an expanded capability by the end of FY2007.

The NMD system consists of a weapon system, ground based sensors, and a Battle Management Command, Control, and Communications (BMC3) system. The intercep consists of an Exoatmospheric Kill Vehicle (EKV) atop a Commercial Off-The-Shelf (COTS) booster stack. The ground-based sensors include the development of an X-ba (XBR) and the upgrade of existing early warning radars (UEWR). The BMC3 system includes integration with existing national command and control systems, a ground communication network, and a communication system to transmit data to and from the interceptor while in flight. The NMD system will also use space-based assets for thre detection and tracking. The Air Force Space Based Infrared System is an integral part of enhancing future NMD capabilities.

Total Prog
147
6,805.2
6,805.2
6,805.2

efense Acquisition Program (MDAP) in April 1996. The goal of the NMD program is to
to defend the United States against a limited strategic ballistic missile threat by a rogue
ness Review (DRR) in 3Q/00. Following this review a decision may be made to complete
05 and an expanded capability by the end of FY2007.

agement Command, Control, and Communications (BMC3) system. The interceptor
3) booster stack. The ground-based sensors include the development of an X-band radar
ides integration with existing national command and control systems, a ground
erceptor while in flight. The NMD system will also use space-based assets for threat launch
enhancing future NMD capabilities.

Exhibit P5E, Weapon System Cost Analysis (Extended)		Appropriation/ Budget Activity/Serial No: Procurement, Defense-wide / 1 / Major Equipment			P-1 Line Item Nomenclature: NATIONAL MISSILE DEFENSE INTEGRATION (C02400)			Weapon System Type:			
Weapon System Cost Elements	ID CD	**Prior Years** TotalCost	Qty	UnitCost	**FY 97** TotalCost	Qty	UnitCost	**FY 98** TotalCost	Qty	UnitCost	TotalCost
		$OOO	Each	$OOO	$OOO	Each	$OOO	$OOO	Each	$OOO	$OOO
Non-Recurring											
Support											
Element Test & Evaluation											
Operational Site Activation											
SE/PM											
Spares											
SUBTOTAL											
Weapon System Prime Mission Hardware											
XBR Prime Mission Hardware											
BMC3 Prime Mission Hardware											
UEWR Prime Mission Hardware											
TOTAL											

Date: February 2000	
FY 99	
Qty	UnitCost
Each	$OOO

Exhibit P5E, Weapon System Cost Analysis (Extended)		Appropriation/ Budget Activity/Serial No: Procurement, Defense-wide / 1 / Major Equipment			P-1 Line Item Nomenclature: NATIONAL MISSILE DEFENSE INTEGRATION (C02400)				Weapon System Type:		
Weapon System Cost Elements	ID CD	**FY 00**			**FY 01**			**FY 02**			
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost
		$OOO	Each	$OOO	$OOO	Each	$OOO	$OOO	Each	$OOO	$OOO
Non-Recurring								59475			83173
Support					1830			184613			187582
Element Test & Evaluation								49634			60135
Operational Site Activation								31156			60668
SE/PM								282567			229469
Spares								4931			30114
SUBTOTAL					**1830**			**612376**			**651141**
Weapon System Prime Mission Hardware								140117			226513
XBR Prime Mission Hardware					8700			345276	1	345276	
BMC3 Prime Mission Hardware					58700			357457			205373
UEWR Prime Mission Hardware					5300			81257	1	81257	138522
TOTAL					**74530**			**1536483**			**1221549**

Date: February 2000	
FY 03	
Qty	UnitCost
Each	$OOO
29	7811
3	46174

Exhibit P5E, Weapon System Cost Analysis (Extended)		Appropriation/ Budget Activity/Serial No: Procurement, Defense-wide / 1 / Major Equipment			P-1 Line Item Nomenclature: NATIONAL MISSILE DEFENSE INTEGRATION (C02400)			Weapon System Type:			
Weapon System Cost Elements	ID CD	**FY 04**			**FY 05**			**Cost to Complete**			
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost
		$OOO	Each	$OOO	$OOO	Each	$OOO	$OOO	Each	$OOO	$OOO
Non-Recurring											**142648**
Support		205294			273798			755345			**1608462**
Element Test & Evaluation		53804			23504			11824			**198901**
Operational Site Activation		16737			29			22			**108612**
SE/PM		234065			309610			597449			**1653160**
Spares		24025			12361			38254			**109685**
SUBTOTAL		**533925**			**619302**			**1402894**			**3821468**
Weapon System Prime Mission Hardware		607037	60	10117	456560	58	7872	252928			**1683155**
XBR Prime Mission Hardware											**353976**
BMC3 Prime Mission Hardware		35225			2787						**659542**
UEWR Prime Mission Hardware		62020	1	62020							**287099**
TOTAL		**1238207**			**1078649**			**1655822**			**6805240**

Date:
February 2000

Total	
Qty	UnitCost
Each	$OOO
147	11450
1	353976
5	57420

Exhibit P-40, Budget Item Justification Sheet

Date: February 2000

Appropriation / Budget Activity/Serial No: Procurement / 3

P-1 Item Nomenclature: PATRIOT ADV CAPABILITY-3 (PAC-3) (C02257)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete
Proc Qty		20		32	40	28	44	76	52	720
Gross Cost	975.4	316.8	187.4	343.8	365.5	337.7	346.3	406.4	307.6	2382.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	975.4	277.5	156.4	323.8	338.3	321.4	329.9	391.3	300.3	2,382.0
Initial Spares		39.3	31.0	20.0	27.2	16.3	16.4	15.1	7.3	
Total Proc Cost	975.4	316.8	187.4	343.8	365.5	337.7	346.3	406.4	307.6	2382.0
Flyaway U/C										
Wpn Sys Proc U/C										

DESCRIPTION: PATRIOT is an advanced Surface-to-Air guided missile system with a high single shot kill probability capable of operation in the presence of Electronic Countermeasures (ECM) and able to conduct multiple simultaneous engagements against high performance air breathing targets and ballistic missiles likely to be encount US Forces in the 90's and beyond. The system utilizes a multifunction Phased Array Radar, a digital computer controlling system function, a guidance system combining command and homing (track-via-missile) features, and provides the operator the ability to control operations. PATRIOT totally replaced Nike Hercules and partially replac HAWK. It has the advantage of reducing manpower and logistics costs associated with replaced systems while providing improved high and medium altitude air defense. Deployment is to the field army and the system is integrated with the U.S. Air Force and U.S. Navy in the overall air defense of theater operations. The PATRIOT Advanc Capability (PAC-3) program is a result of a series of integrated, phased system improvements in combination with the PAC-3 missile which uses hit-to-kill technology. Mo to the system, which includes radar enhancements, communications upgrades, and increased command, control, and computer capability, will increase PATRIOT's effecti survivability, flexibility of defense design, footprint, and detection of smaller low radar cross section targets.

JUSTIFICATION: The above funding is required to support the planned PAC-3 PATRIOT system through modification of existing ground support equipment and procuren the PAC-3 missiles. Quantities in the table above are for the missile procurement, while procurement costs are a combination of missile costs and ground system modifica costs. The FY 2002 quantity has been reduced due to the requirement to procure Initial Production Facilities (IPF) to achieve planned rate in FY 2004.

Total Prog
1012
5968.9
5796.3
172.6
5968.9

ıigh single shot kill probability capable of operation in the presence of Electronic
st high performance air breathing targets and ballistic missiles likely to be encountered by
dar, a digital computer controlling system function, a guidance system combining
o control operations. PATRIOT totally replaced Nike Hercules and partially replaced
replaced systems while providing improved high and medium altitude air defense.
U.S. Navy in the overall air defense of theater operations. The PATRIOT Advanced
ments in combination with the PAC-3 missile which uses hit-to-kill technology. Modification
eased command, control, and computer capability, will increase PATRIOT's effectivity,
ıss section targets.

T system through modification of existing ground support equipment and procurement of
procurement costs are a combination of missile costs and ground system modification
Production Facilities (IPF) to achieve planned rate in FY 2004.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Defense-wide / 1 / Major Equipment			P-1 Line Item Nomenclature: PATRIOT ADV CAPABILITY-3 (PAC-3) (C02257)					Weapon System Type:	
Weapon System Cost Elements	ID CD	**FY 98 and Prior**			**FY 99**			**FY 00**			
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost
		$OOO	Each	$OOO	$OOO	Each	$OOO	$OOO	Each	$OOO	$OOO
Missile Hardware -- Recurring		102489	20	5124				154000	32	4813	176000
Subtotal		102489						154000			176000
Non-Recurring Costs -- Initial Prod. Fac											
Subtotal											
Ground Support Equipment		645999									
Subtotal		645999									
Support Cost											
Contractor Engineering		27356			29740			31924			18574
Government/Software Engineering		18085			20065			22000			12717
Sys Engrg/Proj Mgmt (SEPM)		13440			16352			19168			18400
Integrated Logistics Support		11277			11817			12063			11821
Depot Maint Plant Eq (DMPE)		2281			1500			1500			1500
Fielding		8362			8362			8362			8963
Impact		15000									
Subtotal		95801			87836			95017			71975
Gross P-1 End Cost		844289			87836			249017			247975
Less: Prior Year Adv Proc											
Net P-1 Full Funding Cost											
Plus: P-1 CY Adv Proc											
Other Non P-1 Cost											
Initial Spares		39300			31000			19950			27200
Mods		408600			68608			74806			90282
Total		1292189			187444			343773			365457

Date: February 2000	
FY 01	
Qty	UnitCost
Each	$OOO
40	4400

Exhibit P-5a, Budget Procurement History and Planning

Date:

Appropriation / Budget Activity/Serial No:	Weapon System Type:	P-1 Line Item Nomenclature:
Procurement, Defense-wide / 1 / Major Equipment		PATRIOT ADV CAPABILITY-3 (PAC-3) (C0

WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost $OOO	Specs Avail Now?
PAC-3 Missile								
FY 98	LMVS, Dallas, TX	SS/CPIF	AMCOM	Dec-99	Apr-01	20	5124	NA
FY 00	LMVS, Dallas, TX	SS/CPIF	AMCOM	Apr-00	Apr-02	32	4813	NA
FY 01	LMVS, Dallas, TX	SS/CPIF	AMCOM	Apr-01	Apr-03	40	4400	NA

REMARKS: Traditional fabrication specifications were not purchased on this program (Performance specifications were procured under EMD).
Award of FY98 buy awaiting second intercept as required by FY98 legislation.

February 2000

)2257)

Date Revsn Avail	RFP Issue Date
	Jun-97
	Jun-97

s were procured under EMD).

FY 00 / 01 BUDGET PRODUCTION SCHEDULE

P-1 Item Nomenclature: PATRIOT ADV CAPABILITY-3 (PAC-3) (C02257)

Date:

COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP. PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 99 / Calendar Year 99												Fiscal Year 00 / Calendar Y				
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
PAC-3 Missile	1	FY 98	A	20	0	20															A					
PAC-3 Missile	1	FY 00	A	32	0	32																			A	
PAC-3 Missile	1	FY 01	A	40	0	40																				

MFR	NAME / LOCATION	PRODUCTION RATES MIN.	1-8-5	MAX.	REACHED D +
1	Lockheed Martin Vought Systems	20	20	40	

MFR Number		ADMIN LEAD TIME Prior 1 Oct.	After 1 Oct.	MFR After 1 Oct.	TOTAL After 1 Oct.
1	INITIAL	7	1	17	18
	REORDER	8	1	24	25
	INITIAL				
	REORDER				
	INITIAL				
	REORDER				
	INITIAL				
	REORDER				
	INITIAL				
	REORDER				

REMARK

As an LRIP
below the ec
material for
in FY98. Av
awaiting a s
required in F

February 2000

ear 00				LATER
JUN	JUL	AUG	SEP	
				20
				32
				40
JUN	JUL	AUG	SEP	

<S

As an LRIP effort, production rates are below the economic range. Long lead material for the FY98 buy was funded in FY98. Award of LRIP contracts are awaiting a second intercept as required in FY98 legislation.

FY 00 / 01 BUDGET PRODUCTION SCHEDULE

P-1 Item Nomenclature: PATRIOT ADV CAPABILITY-3 (PAC-3) (C02257)

Date:

COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP. PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 01 / Calendar Year 01												Fiscal Year 02 / Calendar Y				
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
PAC-3 Missile	1	FY 98	A	20	0	20							4	4	4	4	4									
PAC-3 Missile	1	FY 00	A	32	0	32																			4	4
PAC-3 Missile	1	FY 01	A	40	0	40							A													

MFR	NAME / LOCATION	PRODUCTION RATES MIN.	1-8-5	MAX.	REACHED D +
1	Lockheed Martin Vought Systems	20	20	40	

MFR Number		ADMIN LEAD TIME Prior 1 Oct.	After 1 Oct.	MFR After 1 Oct.	TOTAL After 1 Oct.
1	INITIAL	7	1	23	24
	REORDER	8	1	23	24
	INITIAL				
	REORDER				
	INITIAL				
	REORDER				
	INITIAL				
	REORDER				
	INITIAL				
	REORDER				

REMARK: As an LRIP e below the eco contracts are required in FY

February 2000

ear 02				LATER
JUN	JUL	AUG	SEP	
4	4	4	4	8
				40
JUN	JUL	AUG	SEP	

KS

As an LRIP effort, production rates are below the economic range. Award of LRIP contracts are awaiting a second intercept as required in FY98 legislation.

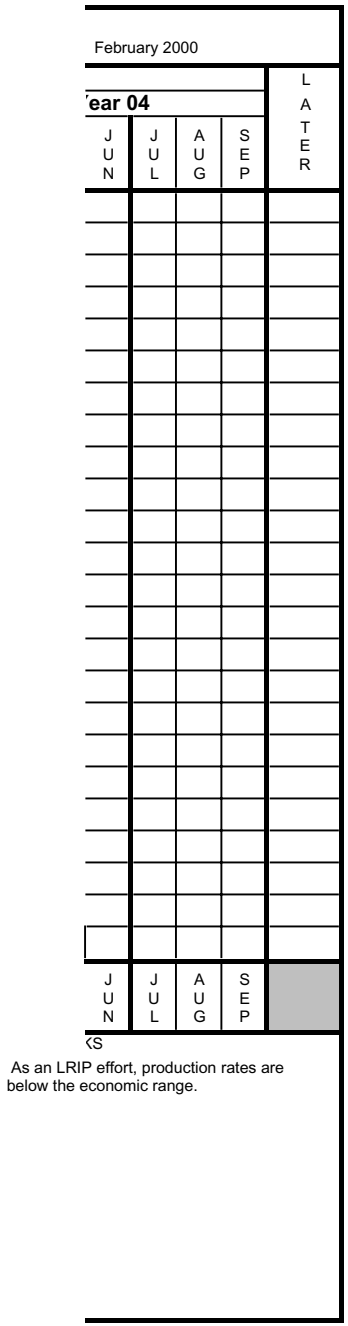
FY 00 / 01 BUDGET PRODUCTION SCHEDULE

P-1 Item Nomenclature: PATRIOT ADV CAPABILITY-3 (PAC-3) (C02257)

Date:

COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP. PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FY 03 OCT	FY 03 NOV	FY 03 DEC	CY 03 JAN	CY 03 FEB	CY 03 MAR	CY 03 APR	CY 03 MAY	CY 03 JUN	CY 03 JUL	CY 03 AUG	CY 03 SEP	FY 04 OCT	FY 04 NOV	FY 04 DEC	CY Y JAN	CY Y FEB	CY Y MAR	CY Y APR	CY Y MAY
PAC-3 Missile	1	FY 98	A	20	20																					
PAC-3 Missile	1	FY 00	A	32	24	8	4	4																		
PAC-3 Missile	1	FY 01	A	40	0	40							4	4	4	4	4	4	4	4	4	4				

MFR	NAME / LOCATION	PRODUCTION RATES MIN.	1-8-5	MAX.	REACHED D +	MFR Number		ADMIN LEAD TIME Prior 1 Oct.	After 1 Oct.	MFR After 1 Oct.	TOTAL After 1 Oct.	REMARK
1	Lockheed Martin Vought Systems	20	20	40		1	INITIAL	7	1	23	24	As an LRIP e below the eco
							REORDER	8	1	23	24	
							INITIAL					
							REORDER					
							INITIAL					
							REORDER					
							INITIAL					
							REORDER					
							INITIAL					
							REORDER					


February 2000
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KS
As an LRIP effort, production rates are below the economic range.

Exhibit P-40M Budget Item Justification Sheet

Date: February 2000

Appropriation / Budget Activity/Serial No.	P-1 Item Nomenclature
Procurement, Defense-wide / 1 / Major Equipment	PATRIOT ADV CAPABILITY-3 (PAC-3) (C02257)

Program Elements for Code B Items	Code	Other Related Program Elements

Description		Fiscal Years								
OSIP NO.	Classification	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	TC
Radar Phase III										
1-89-03-1231		213.2	35.4	34.2	33.8	33.6	33.6	0.0	0.0	0.0
Classification Discrimination Identification (CDI) Phase III										
1-92-03-1238		77.6	14.7	13.5	13.4	13.3	13.2	0.0	0.0	0.0
Remote Launch Commo Enhanced Upgrade (RLCEU)										
1-92-03-1233		49.0	18.5	5.8	5.8	5.8	0.0	0.0	0.0	0.0
Command and Launch System										
1-95-03-1245		25.4	0.0	21.3	37.3	35.2	33.8	33.1	32.7	13.3
Radar Control Unit/Signal Processing Group										
1-95-03-1244		43.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Totals		408.6	68.6	74.8	90.3	87.9	80.6	33.1	32.7	13.3

Total
383.8
145.7
84.9
232.1
43.4
889.9

INDIVIDUAL MODIFICATION Date February 2000

MODIFICATION TITLE: Radar Phase III 1-89-03-1231

MODELS OF SYSTEMS AFFECTED: Radar

DESCRIPTION / JUSTIFICATION:

The objective of this modification is to increase the average power providing greater multifunction capability and increase the reliability and maintainability of the radar. Transmitter and receiver modifications will be made to the radar.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

	Planned	Accomplished
Preliminary Design Review	2QFY92	2QFY92
Critical Design Review (CDR)	3QFY93	3QFY93
Contractor Test and Evaluation (CTE)	4QFY99	1QFY00
Development Test and Evaluation (DTE)	1QFY00	1QFY00
Initial Operational Test and Evaluation (IOTE)	2QFY00	

Installation Schedule:

	Pr Yr	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	12	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Outputs	9	3	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1

	FY 2004				FY 2005				FY 2006				FY 2007				To	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
Inputs	1	2	1	2	1	2	1	2										54
Outputs	2	1	2	1	2	1	2	1	2									54

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 5 Months PRODUCTION LEADTIME: 24 Months

Contract Dates:	FY 1999	Dec 98	FY 2000	Dec 99	FY 2001	Dec 00		
Delivery Date:	FY 1999	Nov 00	FY 2000	Nov 01	FY 2001	Nov 02		

MODIFICATION TITLE (Cont): Radar Phase III 1-89-03-1231

FINANCIAL PLAN: ($ in Millions)

	FY 1998 and Prior		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																		
PROCUREMENT																		
Kit Quantity	24	157.1	6	31.0	6	29.9	6	29.6	6	29.4	6	29.5						
Installation Kits																		
Installation Kits, Nonrecurring																		
Equipment																		
Equipment, Nonrecurring		35.7																
Engineering Change Orders																		
Data																		
Training Equipment																		
Support Equipment																		
Other																		
Interim Contractor Support																		
Installation of Hardware																		
FY 1998 & Prior Eqpt -- Kits	24	20.4																
FY 1999 Eqpt -- Kits			6	4.4														
FY 2000 Eqpt -- Kits					6	4.3												
FY 2001 Eqpt -- Kits							6	4.2										
FY 2002 Eqpt -- kits									6	4.2								
FY 2003 Eqpt -- kits											6	4.1						
FY 2004 Eqpt -- kits																		
FY 2005 Eqpt -- kits																		
TC Equip-Kits																		
Total Installment	24	20.4	6	4.4	6	4.3	6	4.2	6	4.2	6	4.1						
Total Procurement Cost		213.2		35.4		34.2		33.8		33.6		33.6						

ary 2000	
TOTAL	
Qty	$
54	306.5
	35.7
24	20.4
6	4.4
6	4.3
6	4.2
6	4.2
6	4.1
54	41.6
	383.8

INDIVIDUAL MODIFICATION | Date February 2000

MODIFICATION TITLE: Classification Discrimination Identification (CDI) Phase III 1-92-03-1238

MODELS OF SYSTEMS AFFECTED: Radar

DESCRIPTION / JUSTIFICATION:

CDI III involves the integration of state-of-the-art High Range Resolution (HRR) technology into the PATRIOT radar. This capability will provide for Tactical Ballistic Missile (TBM)/debris discrimination and catergorization of Air Breathing Targets (ABT).

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

	Planned	Accomplished
Preliminary Design Review	2QFY94	2QFY94
Critical Design Review (CDR)	2QFY94	2QFY94
Contractor Test and Evaluation (CTE)	4QFY99	1QFY00
Development Test and Evaluation (DTE)	1QFY00	1QFY00
Initial Operational Test and Evaluation (IOTE)	2QFY00	

Installation Schedule:

	Pr Yr	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	12	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Outputs	9	3	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1

	FY 2004				FY 2005				FY 2006				FY 2007				To	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
Inputs	1	2	1	2	1	2	1	2										54
Outputs	2	1	2	1	2	1	2	1	2									54

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 5 Months PRODUCTION LEADTIME: 18 Months

Contract Dates:	FY 1999	Dec 98	FY 2000	Dec 99	FY 2001	Dec 00		
Delivery Date:	FY 1999	Nov 00	FY 2000	Nov 01	FY 2001	Nov 02		

MODIFICATION TITLE (Cont): Classification Discrimination Identification (CDI) Phase III 1-92-03-1238

FINANCIAL PLAN: ($ in Millions)

	FY 1998 and Prior		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																		
PROCUREMENT																		
Kit Quantity	24	63.3	6	13.6	6	12.5	6	12.4	6	12.3	6	12.2						
Installation Kits																		
Installation Kits, Nonrecurring																		
Equipment																		
Equipment, Nonrecurring		7.6																
Engineering Change Orders																		
Data																		
Training Equipment																		
Support Equipment																		
Other																		
Interim Contractor Support																		
Installation of Hardware																		
FY 1998 & Prior Eqpt -- Kits	24	6.7																
FY 1999 Eqpt -- Kits			6	1.1														
FY 2000 Eqpt -- Kits					6	1.0												
FY 2001 Eqpt -- Kits							6	1.0										
FY 2002 Eqpt -- kits									6	1.0								
FY 2003 Eqpt -- kits											6	1.0						
FY 2004 Eqpt -- kits																		
FY 2005 Eqpt -- kits																		
TC Equip-Kits																		
Total Installment	24	6.7	6	1.1	6	1.0	6	1.0	6	1.0	6	1.0						
Total Procurement Cost		77.6		14.7		13.5		13.4		13.3		13.2						

CDI) Phase III 1-92-03-1238

ary 2000

TOTAL	
Qty	$
54	126.3
	7.6
24	6.7
6	1.1
6	1.0
6	1.0
6	1.0
6	1.0
54	11.8
	145.7

INDIVIDUAL MODIFICATION | Date: February 2000

MODIFICATION TITLE: Remote Launch Commo Enhanced Upgrade (RLCEU) 1-92-03-1233

MODELS OF SYSTEMS AFFECTED: ICC, ECS, CRG

DESCRIPTION / JUSTIFICATION:

The Remote Launch/Communication Enhancement Upgrade (RLCEU) effort focuses on improving communications at the "below" battalion level through the introduction of new switching equipment and a new communications processor at the battery level in conjunction with a conversion to Band IV UHF throughout battalion. Additionally, the project will develop and field a remote launch capability permitting emplacement of a remote launcher farm in excess of 30 Km from the parent Engagement Control System (ECS). This project is required to meet PAC-3 requirements for increased battlespace, lethality and rate of fire; additional Operational Requirement Document (ORD) requirements for interoperability and communications are satisfied by this effort.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

	Planned	Accomplished
Preliminary Design Review	2QFY96	3QFY96
Critical Design Review (CDR)	4QFY96	4QFY96
Contractor Test and Evaluation (CTE)	4QFY99	1QFY00
Development Test and Evaluation (DTE)	1QFY00	1QFY00
Initial Operational Test and Evaluation (IOTE)	2QFY00	

Installation Schedule:

	Pr Yr	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	5							8	3			4	4	6		6	4			4	3
Outputs	5								4	4	3		4	4	3	3	3	3	4		4

	FY 2004				FY 2005				FY 2006				FY 2007				To	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
Inputs			4	3														54
Outputs	3			4	3													54

METHOD OF IMPLEMENTATION: | ADMINISTRATIVE LEADTIME: 3 Months | PRODUCTION LEADTIME: 18 Months

Contract Dates:	FY 1999	Dec 98	FY 2000	Dec 99	FY 2001 Dec 00
Delivery Date:	FY 1999	Jun 00	FY 2000	Jun 01	FY 2001 Jun 02

MODIFICATION TITLE (Cont): Remote Launch Commo Enhanced Upgrade (RLCEU) 1-92-03-1233

FINANCIAL PLAN: ($ in Millions)

	FY 1998 and Prior		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																		
PROCUREMENT																		
Kit Quantity	16	45.0	14	16.9	10	5.3	7	5.3	7	5.3								
Installation Kits																		
Installation Kits, Nonrecurring																		
Equipment																		
Equipment, Nonrecurring																		
Engineering Change Orders																		
Data																		
Training Equipment																		
Support Equipment																		
Other																		
Interim Contractor Support																		
Installation of Hardware																		
FY 1998 & Prior Eqpt -- Kits	16	4.0																
FY 1999 Eqpt -- Kits			14	1.6														
FY 2000 Eqpt -- Kits					10	0.5												
FY 2001 Eqpt -- Kits							7	0.5										
FY 2002 Eqpt -- kits									7	0.5								
FY 2003 Eqpt -- kits																		
FY 2004 Eqpt -- kits																		
FY 2005 Eqpt -- kits																		
TC Equip-Kits																		
Total Installment	16	4.0	14	1.6	10	0.5	7	0.5	7	0.5								
Total Procurement Cost		49.0		18.5		5.8		5.8		5.8								

e (RLCEU) 1-92-03-1233

ary 2000

TOTAL	
Qty	$
54	77.8
16	4.0
14	1.6
10	0.5
7	0.5
7	0.5
54	7.1
	84.9

INDIVIDUAL MODIFICATION | Date: February 2000

MODIFICATION TITLE: Command and Launch System 1-95-03-1245

MODELS OF SYSTEMS AFFECTED: Launcher, ECS

DESCRIPTION / JUSTIFICATION:

The Command and Launch System modifications combined the electronics of the Launcher Electronics Module, Missile Management Station, their associated control panels and the Launcher Missile Round Distributor into a common electronics unit capable of providing launch functions for the PAC-2 and PAC-3 missiles. It also consists of the addition of the Fire Solution Computer in the ECS which interfaces with the PATRIOT Expanded Weapon Control Computer (EWCC) accepting track data and supplying target and launch data.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

Major milestones not applicable.

Installation Schedule:

	Pr Yr	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	10									3	3	2	3	5	5	6	6	6	7	6	7
Outputs	10										3	3	2	3	5	5	6	6	6	7	6

	FY 2004				FY 2005				FY 2006				FY 2007				To	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
Inputs	6	7	6	7	6	7	6	7	6	7	6	7	6	3				156
Outputs	7	6	7	6	7	6	7	6	7	6	7	6	7	6	3			156

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 5 Months PRODUCTION LEADTIME: 8 Months

Contract Dates:	FY 1999	FY 2000	Feb 00	FY 2001	Feb 01
Delivery Date:	FY 1999	FY 2000	Oct 00	FY 2001	Oct 01

MODIFICATION TITLE (Cont): Command and Launch System 1-95-03-1245

FINANCIAL PLAN: ($ in Millions)

	FY 1998 and Prior		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																		
PROCUREMENT																		
Kit Quantity	10	22.9			11	19.2	22	33.6	26	31.7	26	30.4	26	29.8	26	29.5	9	12.0
Installation Kits																		
Installation Kits, Nonrecurring																		
Equipment																		
Equipment, Nonrecurring																		
Engineering Change Orders																		
Data																		
Training Equipment																		
Support Equipment																		
Other																		
Interim Contractor Support																		
Installation of Hardware																		
FY 1998 & Prior Eqpt -- Kits	10	2.5																
FY 1999 Eqpt -- Kits																		
FY 2000 Eqpt -- Kits					11	2.1												
FY 2001 Eqpt -- Kits							22	3.7										
FY 2002 Eqpt -- kits									26	3.5								
FY 2003 Eqpt -- kits											26	3.4						
FY 2004 Eqpt -- kits													26	3.3				
FY 2005 Eqpt -- kits															26	3.2		
TC Equip-Kits																	9	1.3
Total Installment	10	2.5			11	2.1	22	3.7	26	3.5	26	3.4	26	3.3	26	3.2	9	1.3
Total Procurement Cost		25.4				21.3		37.3		35.2		33.8		33.1		32.7		13.3

ary 2000

TOTAL	
Qty	$
156	209.1
10	2.5
11	2.1
22	3.7
26	3.5
26	3.4
26	3.3
26	3.2
9	1.3
156	23.0
	232.1

INDIVIDUAL MODIFICATION Date February 2000

MODIFICATION TITLE: Radar Control Unit/Signal Processing Group 1-95-03-1244

MODELS OF SYSTEMS AFFECTED: Radar

DESCRIPTION / JUSTIFICATION:

This modfication provides upgrades to the control and signal processing groups in preparation for Post Deployment Build 5 software implementation.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

Major milestones not applicable.

Installation Schedule:

	Pr Yr	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	75																				
Outputs	75																				

	FY 2004				FY 2005				FY 2006				FY 2007				To	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
Inputs																		75
Outputs																		75

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 6 Months PRODUCTION LEADTIME: 6 Months

Contract Dates: FY 1999 FY 2000 FY 2001

Delivery Date: FY 1999 FY 2000 FY 2001

MODIFICATION TITLE (Cont): Radar Control Unit/Signal Processing Group 1-95-03-1244

FINANCIAL PLAN: ($ in Millions)

	FY 1998 and Prior		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																		
PROCUREMENT																		
Kit Quantity	75	41.7																
Installation Kits																		
Installation Kits, Nonrecurring																		
Equipment																		
Equipment, Nonrecurring																		
Engineering Change Orders																		
Data																		
Training Equipment																		
Support Equipment																		
Other																		
Interim Contractor Support																		
Installation of Hardware																		
FY 1998 & Prior Eqpt -- Kits	75	1.7																
FY 1999 Eqpt -- Kits																		
FY 2000 Eqpt -- Kits																		
FY 2001 Eqpt -- Kits																		
FY 2002 Eqpt -- kits																		
FY 2003 Eqpt -- kits																		
FY 2004 Eqpt -- kits																		
FY 2005 Eqpt -- kits																		
TC Equip-Kits																		
Total Installment	75	1.7																
Total Procurement Cost		43.4																

ɔ 1-95-03-1244

ary 2000

TOTAL	
Qty	$
75	41.7
75	1.7
75	1.7
	43.4

Exhibit P-40, Budget Item Justification Sheet

Date: February 2000

Appropriation / Budget Activity/Serial No: Procurement, Defense-wide / 1 / Major Equipment

P-1 Item Nomenclature: TBMD-AEGIS TBM Upgrades (C12263)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1997	FY1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete
QUANITY (BMDO)					2			7	6	3	14
Gross Cost	30.772	9.087	14.859	28.971	7.918	0.000	6.983	56.892	70.437	73.846	383.508
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	30.772	9.087	14.859	28.971	7.918	0.000	6.983	56.892	70.437	73.846	383.508
Initial Spares											
Total Proc Cost	30.772	9.087	14.859	28.971	7.918	0.000	6.983	56.892	70.437	73.846	383.508
Flyaway U/C											
Wpn Sys Proc U/C											

The Navy Area Theater Ballistic Missile Defense (TBMD) Project builds on the national investment in AEGIS ships, AEGIS Weapon Systems (AWS), and Navy Standard M (SM-2) Block IV missiles. Two classes of ships continue to be deployed with the AEGIS combat system: CG-47 Ticonderoga-Class Cruisers and DDG-51 Burke-Class De In addition, four shore-centers will be upgraded with funding in FYs 1999 through 2000: (1) the Combat System Engineering Development Site (CSEDS), (2) the AEGIS Co Center (ACC), (3) the AEGIS Education Center (AEC) and (4) the AEGIS Combat System Center (ACSC), to properly accommodate the CG-47 and DDG-51 combat syste ships and associated Vertical Launch System (VLS) Modifications. Funds provide for modifications to the AEGIS Combat System (ACS) to include modifications to the con and decision system, the AEGIS Display System, and the Radar System (AN/SPY-1B/D).

Total Prog
32
683.273
683.273
683.273

vestment in AEGIS ships, AEGIS Weapon Systems (AWS), and Navy Standard Missile 2
ombat system: CG-47 Ticonderoga-Class Cruisers and DDG-51 Burke-Class Destroyers.
1) the Combat System Engineering Development Site (CSEDS), (2) the AEGIS Computer
n Center (ACSC), to properly accommodate the CG-47 and DDG-51 combat system for 72
difications to the AEGIS Combat System (ACS) to include modifications to the command

Exhibit P-40, Budget Item Justification Sheet

Date: February 2000

Appropriation / Budget Activity/Serial No: Procurement, Defense-wide / 1 / Major Equipment

P-1 Item Nomenclature: Navy Area TBMD SM-2 Block IV A (C22263)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete
Proc Qty									32	43	413
Gross Cost	0.0	0.0	0.0	13.700	10.225	0.000	0.000	0.000	77.166	98.551	860.404
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	0.0	0.0	0.0	13.700	10.225	0.000	0.000	0.000	77.166	98.551	860.404
Initial Spares									3.279	4.127	34.542
Total Proc Cost	0.0	0.0	0.0	13.700	10.225	0.000	0.000	0.000	80.445	102.678	894.946
Flyaway U/C											
Wpn Sys Proc U/C									2.514	2.388	2.167

The Navy Area Theater Ballistic Missile Defense (TBMD) Project builds on the national investment in AEGIS ships, AEGIS Weapon Systems (AWS), and Navy Standard Missile 2 (SM-2) Block missiles. Missile procurement funds provide for production of the Theater Ballistic Missile Defense version of the SM-2 Block IVA, with the Ballistic Missile Defense Orgranization (BMDO) fun production deliveries beginning in FY 2006. The SM-2 Block IVA will be capable of engaging Theater Ballistic Missiles in the endoatmosphere.

SM-2 Block IVA funding in FY99/00 includes production transition efforts (e.g., re-layout of printed wiring assemblies, replacement of obsolete parts, tests equipment upgrades , tests required p loadout, etc.) required for rate production.

Additional missile procurement funding, under Weapons Procurement, Navy Appropriations is budgeted by the Navy beginning in FY 2000. The Navy WPN funding will procure the remaining Block IVA variant missiles to achieve the total TBMD/Anti-Air-Warfare inventory objective. Because the SM-2 Block IVA upgrade is based on the Block IV acquisition strategy, and are produce same production line as other SM-2 variant missiles, unit cost, total cost, and cost to complete information are influenced by the Navy procurement of those SM-2 variant missiles (primarily SM and SM-2 Block IV).

Total Prog
488
1060.046
1,060.046
41.948
1101.994
2.258

AEGIS ships, AEGIS Weapon Systems (AWS), and Navy Standard Missile 2 (SM-2) Block IV
version of the SM-2 Block IVA, with the Ballistic Missile Defense Orgranization (BMDO) funded
r Ballistic Missiles in the endoatmosphere.

ring assemblies, replacement of obsolete parts, tests equipment upgrades , tests required prior to ship

ted by the Navy beginning in FY 2000. The Navy WPN funding will procure the remaining SM-2
the SM-2 Block IVA upgrade is based on the Block IV acquisition strategy, and are produced on the
ation are influenced by the Navy procurement of those SM-2 variant missiles (primarily SM-2 Block III

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Defense-wide / 1 / Major Equipment			P-1 Line Item Nomenclature: Navy Area Procurement (C02263)					Weapon System Type:	
Weapon System Cost Elements	ID CD	**FY 98**			**FY99**			**FY 00**			
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost
		$OOO	Each	$OOO	$OOO	Each	$OOO	$OOO	Each	$OOO	$OOO
AWS MODIFICATIONS											
HARDWARE								5,218			-
PRODUCTION SUPPORT					5,171			800			
INSTALLATION/DESIGN											
SHIP QUALIFICATIONS		13,638									
DT&E		1,221			23,800			1,900			
AWS TOTAL		14,859			28,971			7,918	2		
SM-2 Block IVA											
HARDWARE											
INITIAL SPARES											
NRE					13,700			10,225			
PRODUCTION SPT											
CANNISTERS											
SM-2 BLK IVA TOTAL		0			13,700			10,225			
TOTAL PROCUREMENT		**14,859**			**42,671**			**18,143**			**-**

D. REMARKS:

AEGIS Weapon Systems (AWS) procurement funding in FY99/00 also includes upgrades to shore centers to properly accommodate TBMD combat system upg

SM-2 Block IVA funding in FY99/00 includes production transition efforts (e.g., re-layout of printed wiring assemblies, replacement of obsolete parts, test equipr upgrades, tests required prior to ship loadout, etc.) required for rate production.

Date: February 2000	
FY 01	
Qty	UnitCost
Each	$OOO

ades to shore centers to properly accommodate TBMD combat system upgrades.

out of printed wiring assemblies, replacement of obsolete parts, test equipment

Exhibit P-40, Budget Item Justification Sheet

Date: February 2000

Appropriation / Budget Activity/Serial No: Procurement, Defense-wide / 1 / Major Equipment

P-1 Item Nomenclature: Theater Missile Defense - BM/C3I (C03261)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete
Proc Qty				30							
Gross Cost	0.0	0.0	14199.0	22486.0	0.0	3975.0	0.0	0.0	0.0	0.0	0.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	0.0	0.0	14,199.0	15,786.0	0.0	3,975.0	0.0	0.0	0.0	0.0	0.0
Initial Spares				6700.0							
Total Proc Cost	0.0	0.0	14199.0	22486.0	0.0	3975.0	0.0	0.0	0.0	0.0	0.0
Flyaway U/C											
Wpn Sys Proc U/C											

DESCRIPTION: This procurement provides Joint Tactical Information Distribution System (JTIDS) and Multifunctional Information Distribution System (MIDS) Terminals wi Kits as Government Furnished Equipment for integration into various Theater Air and Missile Defense Platforms. The funding will be provided to the Services as JTIDS Joi Program Office as the procuring activity via Military Interdepartmental Purchasing Request. These funds will be combined with other Service and program funds to create a contract buy at economical production rate. Procurement from this single budget line ensures a single configuration of the terminal for all platforms. Modification kits for Ti Reallocation are planned to accommodate anticipated JTIDS network loading. JTIDS Spares Kits are the required spare parts to field and logistically support past and pres JTIDS Terminals at all operational levels.

JUSTIFICATION: The JTIDS and MIDS Terminals and the Tactical Data Link-JTIDS (TADIL-J) are the cornerstones for TAMD Interoperability. These terminals, with requi Kits, will participate in the Joint Data Network to share early warning and cueing information with multiple interservice platforms. This interoperability will allow detection an of targets at greater ranges and increase potential for multiple engagements and a higher probability of kill. FY 01 funds the program management and software support requirements.

Total Prog
30
40660.0
33960.0
6700.0
40660.0

ı (JTIDS) and Multifunctional Information Distribution System (MIDS) Terminals with Spare
sile Defense Platforms. The funding will be provided to the Services as JTIDS Joint
t. These funds will be combined with other Service and program funds to create a single
ures a single configuration of the terminal for all platforms. Modification kits for Time Slot
ares Kits are the required spare parts to field and logistically support past and present

DIL-J) are the cornerstones for TAMD Interoperability. These terminals, with required Spare
on with multiple interservice platforms. This interoperability will allow detection and tracking
probability of kill. FY 01 funds the program management and software support

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Defense-wide / 1 / Major Equipment			P-1 Line Item Nomenclature: Theater Missile Defense - BM/C3I (C03261)			Weapon System Type:			
Weapon System Cost Elements	ID CD	**FY 98**			**FY 99**			**FY 00**			
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost
		$OOO	Each	$OOO	$OOO	Each	$OOO	$OOO	Each	$OOO	$OOO
JTIDS Terminals											
JTIDS Spare Kits		14199	26	546	6700	12	558				
JTIDS Time Slot Reallocation Modification Kits											
MIDS Terminals					15786	30	526				
MIDS Spare Kits											
Program and Software Support											3975
Total for Terminals					15786	30	526				
Total for Spare Kits		14199	26	546	6700	12	558				

Date: February 2000	
FY 01	
Qty	UnitCost
Each	$OOO

Exhibit P-5a, Budget Procurement History and Planning

Date:

Appropriation / Budget Activity/Serial No:	Weapon System Type:	P-1 Line Item Nomenclature:
Procurement, Defense-wide / 1 / Major Equipment		Theater Missile Defense - BM/C31 (C032

WBS Cost Elements: / Fiscal Years		Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost $OOO	Specs Avail Now?
JTIDS Spare Kits	FY98	General Electric Cooperation Electronic Systems Corporation in Wayne, NJ	SS/FP	USAF	Sep-98	Nov-99	28	0.400	YES
JTIDS Spare Kits	FY99	General Electric Cooperation Electronic Systems Corporation in Wayne, NJ	SS/FP	USAF	Sep-99	Nov-00	12	0.400	YES
MIDS Terminals	FY99	General Electric Cooperation Electronic Systems Corporation in Wayne, NJ	SS/FP	USAF	4/1/00*	Jun-00	30	0.400	YES

REMARKS: *PBD 290C authorized the use of FY99 funds to procure MIDS Terminals and MIDS Spares in FYOO.

February 2000

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Date Revsn Avail	RFP Issue Date
NO	
NO	
NO	

FYOO.