DEPARTMENT OF THE NAVY
FY 1999 BUDGET ESTIMATES SUBMISSION

JUSTIFICATION OF ESTIMATES
SEPTEMBER 1997

OTHER PROCUREMENT, NAVY
BUDGET ACTIVITY 3

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1999 UNIT COST	TOA, $ IN MILLIONS FY 1997 QUANTITY	FY 1997 COST	FY 1998 QUANTITY	FY 1998 COST	FY 1999 QUANTITY	FY 1999 COST	SEC
	BUDGET ACTIVITY 03: Aviation Support Equipment									
	Sonobuoys									
113 4005	AN/SSQ-36 (BT)	A			.9		1.4		1.4	U
114 4025	AN/SSQ-53 (DIFAR)	A			24.5		29.1		38.2	U
115 4030	AN/SSQ-57 (Special Purpose)	A			-		-		3.0	U
116 4032	AN/SSQ-62 (DICASS)	A			31.2		24.3		21.2	U
117 4036	AN/SSQ-101 (ADAR)	B			-		-		17.0	U
118 4038	AN/SSQ-110	A			29.1		-		-	U
119 4045	Signal, Underwater Sound (SUS)	A			1.1		.*		1.3	U
	Aircraft Support Equipment									
120 4204	Weapons Range Support Equipment	A			31.2		4.9		8.3	U
121 4208	Expeditionary Airfields	A			1.5		1.3		5.1	U
122 4214	Aircraft Rearming Equipment	A			9.1		10.4		13.2	U
123 4216	Aircraft Launch & Recovery Equipment	A			28.3		29.6		40.5	U
124 4218	PREDATOR UAV (DARP)	A			7.8		-		-	U
125 4220	PIONEER UAV (DARP)	A			25.0		-		-	U
126 4226	Meteorological Equipment	A			16.4		17.8		33.7	U

UNCLASSIFIED

Department of the Navy

FY 1999 Procurement Program

Exhibit P-1

APPROPRIATION: 1810N Other Procurement, Navy

DATE: 10/03/97

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1999 UNIT COST	TOA, $ IN MILLIONS FY 1997 QUANTITY	FY 1997 COST	FY 1998 QUANTITY	FY 1998 COST	FY 1999 QUANTITY	FY 1999 COST	SEC
127 4242	Other Photographic Equipment	A			.7		.8		.6	U
128 4244	Aviation Life Support	A			8.9		15.3		22.8	U
129 4248	Airborne Mine Countermeasures	A			13.1		20.2		21.9	U
130 4255	LAMPS MK III Shipboard Equipment	A			4.0		5.8		-	U
131 4256	REWSON Photographic Equipment	A			.7		.7		.9	U
132 4259	Stock Surveillance Equipment	A			1.6		1.6		-	U
133 4265	Other Aviation Support Equipment	A			7.7		6.2		4.4	U
TOTAL	Aviation Support Equipment				242.9		169.3		233.4	

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET
P-40

DATE: **SEPTEMBER 1997**

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY | **B.A.3 - AVIATION SUPPORT EQUIPMENT**

P-1 ITEM NOMENCLATURE **AN/SSQ-36 (BT) SONOBUOY**
PEO(A) PROGRAM NARM#400500

Program Element for Code B Items:

Other Related Program Elements

	Prior Years*	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	$68.0		**$2.3**	**$0.2**	**$0.9**	**$1.4**	**$1.4**	**$1.4**	**$1.4**	**$1.4**	**$1.4**	**CONTINUING**	

The AN/SSQ-36 is an air-dropped bathythermograph transmitting set that is used to provide a vertical temperature profile of the ocean with respect to depth. The data is transmitted to the ASW aircraft to assist in the selection of hydrophone depths and tactics in the localizing and tracking of submarines. The information on ambient water conditions is also used for long-range forecasts of acoustic conditions in the ocean.

The FY 96 contract has been awarded to Sparton for a quantity of 669 AN/SSQ-36B's.

The FY 97 contracts have been awarded to Hermes (2,339) and Sparton (1,000) for a total quantity of 3,339 AN/SSQ-36B's.

The FY 98 program provides for 6,473 AN/SSQ-36B's to be competed among qualified manufacturers.

The FY 99 program provides for 6,381 AN/SSQ-36B's to be competed among qualified manufacturers.

RESERVE FUNDING INCLUDED IN TOTAL ($000)

FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
0	0	27	42	56	55	55	36	37

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System AN/SSQ-36 (BT) SONOBUOY	DATE: **SEPTEMBER 1997**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **B.A. 3 - AVIATION SUPPORT EQUIPMENT**	ID Code P-1 ITEM NOMENCLATURE/SUBHEAD **PEO(A) PROGRAM NARM #400500 SUBHEAD U3QG**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QG001	AN/SSQ-36 w/SLC*	A	$57,711	10,995	$198.47	$2,129	669	$255.26	$171	3,339	$221.72	** $803	6,473	$192.56	$1,246	6,381	$193.97	$1,238
QG830	PRODUCTION ENGINEERING		3,946			64			12			50			75			74
QG860	ACCEPTANCE TESTING		6,363			91			12			50			81			80
	*SONOBUOY LAUNCH CONTAINER																	
			$68,020			**$2,284**			**$195**			**$903**			**$1,402**			**$1,392**

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 113 PAGE NO. 2

** In addition to hardware, total costs include 63K for other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs and data packages.

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

Weapon System
AN/SSQ-36 (BT)

A. DATE
SEPTEMBER, 1997

B. APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Navy

C. P-1 ITEM NOMENCLATURE
PEO(A) PROGRAM

SUBHEAD
U3QG

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY96										
AN/SSQ-36 w/SLC	669	$255.26	NSWC CRANE	10/95	C/FFP	SPARTON, FL	5/96	5/97	YES	
FY97 *										
AN/SSQ-36 w/SLC	2,339	$207.38	NSWC CRANE	10/96	C/FFP	HERMES, CAN	1/97	2/98	YES	
	1,000	$255.26	NSWC CRANE	10/96	C/FFP	SPARTON, FL	1/97	2/98	YES	
FY98										
AN/SSQ-36 w/SLC	6,473	$192.56	NSWC CRANE	10/97	C/FFP	NOT SELECTED	12/97	10/98	YES	
FY99										
AN/SSQ-36 w/SLC	6,381	$193.97	NSWC CRANE	10/98	C/FFP	NOT SELECTED	12/98	10/99	YES	

D. REMARKS

*Sonobuoy contracts contain other items separately priced. In addition to hardware, total costs include $63K for other items such as production line verifications, some design and/or production readiness reviews, qualification costs, and data packages.

The P-5A exhibit depicts only hardware quantities and unit costs.

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21

DATE September 1997

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY

Weapon System
AN/SSQ-36 (BT)

P-1 ITEM NOMENCLATURE
PEO(A) PROGRAM

NARM #400500

Item	Manufacturer's Name and Location	Production Rate MSR	1-8-5	MAX	Procurement Leadtimes ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AN/SSQ-36B	HERMES, CANADA*	0.25	12.0	12.0						K
AN/SSQ-36B	SPARTON, FL	0.25	12.0	12.0**		3	9		12	K

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997									1997			CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
QG001 AN/SSQ-36B - HERMES	94		5.1		5.1									2.4	2.7															
QG001 AN/SSQ-36B - SPARTON	94		1.3		1.3						0.3	0.3	0.3	0.2	0.2															
QG001 AN/SSQ-36B - HERMES	95		9.5		9.5				0.5	0.5	0.7	0.3	0.7	1.5	1.5	1.5	1.1	1.2												
QG001 AN/SSQ-36B - HERMES	95		1.8		1.8						0.3	0.3	0.3	0.3	0.3	0.3														
QG001 AN/SSQ-36B - SPARTON	96		0.7		0.7								0.2	0.2	0.1	0.1	0.1													
QG001 AN/SSQ-36B - HERMES	97		2.3		2.3				A													0.25	0.25	0.25	0.3	0.3	0.3	0.3	0.35	
QG001 AN/SSQ-36B - SPARTON	97		1.0		1.0				A													0.25	0.25	0.25	0.25					
QG001 AN/SSQ-36B - NOT SELECTED	98		6.5		6.5															A										6.5
QG001 AN/SSQ-36B - NOT SELECTED	99		6.4		6.4																									6.4

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999												CALENDAR YEAR 2000									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
QG001 AN/SSQ-36B - NOT SELECTED	98		6.5		6.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6													
QG001 AN/SSQ-36B - NOT SELECTED	99		6.4		6.4			A										0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

Remarks:
* RATES ARE BASED ON THE FY95 CONTRACT VERSUS THE INDUSTRIAL BASE PLAN, HERMES IS NO LONGER A MOBILIZATION BASE PRODUCER.
** IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAXIMUM QUANTITY SHOULD BE REDUCED BY 33% - 50%

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: SEPTEMBER 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**	P-1 ITEM NOMENCLATURE **AN/SSQ-53 (DIFAR) SONOBUOY** **PEO (A) PROGRAM NARM #402500**
Program Element for Code B Items: **B.A.3 - AVIATION SUPPORT EQUIPMENT**	Other Related Program Elements

	Prior Years*	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	$1,188.5		$0.0	$0.0	**$24.5**	**$29.1**	**$38.2**	**$30.9**	**$29.8**	**$31.1**	**$31.7**	**CONTINUING**	

The AN/SSQ-53 (DIFAR) is a passive directional sonobuoy which provides acoustic target localization information.

The AN/SSQ-53E DIFAR Sonobuoy incorporates shallow water performance enhancements over the AN/SSQ-53D. The Engineering Change Proposal (ECP) was developed in FY97. The ECP incorporates: (1) a Constant Shallow Omni (CSO) hydrophone, (2) Command Function Select (CFS), (3) additional DIFAR depths, and (4) Automatic Gain Control (AGC).

FY97 contracts have been awarded to Hermes (17,801), Sparton (6,514) and Hughes (3,695) for a total quantity of 28,010 AN/SSQ-53E's. The FY97 program includes $6.5M for an AN/SSQ-53E ECP.

The FY98 program provides for 43,043 AN/SSQ-53E DIFAR Sonobuoys to be competed among qualified manufacturers.

The FY99 program provides for 64,773 AN/SSQ-53E DIFAR Sonobuoys to be competed among qualified manufacturers.

RESERVE FUNDING INCLUDED IN TOTAL ($000)

FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
0	0	1,249	2,554	1,843	2,092	1,764	1,688	1,741

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System AN/SSQ-53 (DIFAR) SONOBUOY	DATE: **SEP 1997**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **B.A. 3 - AVIATION SUPPORT EQUIPMENT**	ID Code P-1 ITEM NOMENCLATURE/SUBHEAD **PEO(A) PROGRAM NARM #402500 SUBHEAD U3QC**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS Prior Years Total Cost	FY 1995 Quantity	FY 1995 Unit Cost	FY 1995 Total Cost	FY 1996 Quantity	FY 1996 Unit Cost	FY 1996 Total Cost	FY 1997 Quantity	FY 1997 Unit Cost	FY 1997 Total Cost	FY 1998 Quantity	FY 1998 Unit Cost	FY 1998 Total Cost	FY 1999 Quantity	FY 1999 Unit Cost	FY 1999 Total Cost
QC001	AN/SSQ-53 w/SLC*	A	$1,043,454							28,010	$637.63	** $18,215	43,043	$600.00	$25,826	64,773	$524.00	$33,941
QC830	PRODUCTION ENGINEERING		63,501									5,243			1,550			2,033
QC860	ACCEPTANCE TESTING		81,503									1,000			1,677			2,204
	*SONOBUOY LAUNCH CONTAINER																	
			$1,188,458			**$0**			**$0**			**$24,458**			**$29,053**			**$38,178**

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 114 PAGE NO. 2

** In addition to hardware, total costs include 355K for other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs and data packages.

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System AN/SSQ-53 (DIFAR)	SEPTEMBER 1997

B. APPROPRIATION/BUDGET ACTIVITY	C. P-1 ITEM NOMENCLATURE	SUBHEAD
Other Procurement, Navy B.A.3. - AVIATION SUPPORT EQUIPMENT	PEO(A) PROGRAM NARM #402500	U3QC

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY97 *										
AN/SSQ-53 w/SLC	17,801	$380.83	NSWC CRANE	10/96	C/FFP	HERMES, CAN	4/97	1/98	YES	
	6,514	$432.58	NSWC CRANE	10/96	C/FFP	SPARTON, FL	4/97	1/98	YES	
	3,695	$456.85	NSWC CRANE	10/96	C/FFP	HUGHES, IN	5/97	1/98	YES	
FY98										
AN/SSQ-53 w/SLC	43,043	$600.00	NSWC CRANE	10/97	C/FFP	NOT SELECTED	12/97	1/99	YES	
FY99										
AN/SSQ-53 w/SLC	64,773	$524.00	NSWC CRANE	10/98	C/FFP	NOT SELECTED	12/98	10/99	YES	

D. REMARKS

In addition to hardware, total costs include 355K for other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs, and data packages.

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21					DATE April 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**				Weapon System **AN/SSQ-53 (DIFAR) SONOBUOY**	P-1 ITEM NOMENCLATURE

		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AN/SSQ-53	SPARTON, FL	0.38	28.0	65.0*		3	9		12	K
AN/SSQ-53	HUGHES, IN	0.38	32.6	65.0*		3	9		12	K

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997									1997			CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
QC001 - AN/SSQ-53																														
HERMES	97		17.8		17.8							A									1.4	1,4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	4.8
SPARTON	97		6.5		6.5							A									0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	1.8
HUGHES	97		3.7		3.7								A								0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.00
QC001 - AN/SSQ-53-NOT SELECTED	98		43.0		43.0															A										43.0
QC001 - AN/SSQ-53 -NOT SELECTED	99		64.7		64.7																									64.7

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999									CALENDAR YEAR 2000												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
QC001 - AN/SSQ-53																														
HERMES	97		17.8	13	4.80	1.6	1.6	1.6																						
SPARTON	97		6.5	4.7	1.80	0.6	0.6	0.6																						
QC001 - AN/SSQ-53 - NOT SELECTED	98		43.0		43.0				4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8													
QC001 - AN/SSQ-53 - NOT SELECTED	99		64.7		64.7			A										5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	

Remarks:
* IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAXIMUM QUANTITY SHOULD BE REDUCED BY 33% - 50%.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40		DATE: SEPTEMBER 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**	**B.A.3 - AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE **AN/SSQ-57B (SP) SONOBUOY** **PEO (A) PROGRAM NARM #403000**
Program Element for Code B Items:		Other Related Program Elements

	Prior Years*	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	$57.9		$0.0	$0.0	**$0.0**	**$0.0**	**$3.0**	**$1.7**	**$0.0**	**$1.9**	**$0.0**	**CONTINUING**	

The AN/SSQ-57 (SP) is a special purpose calibrated passive sonobuoy used for determinating the level of underwater acoustical energy radiated by submarines, water transmission loss and bottom loss (used with signal underwater sound), and ambient noise levels.

The FY99 program provides for 2,056 AN/SSQ-57 (SP) Sonobuoys to be competed among qualified manufacturers.

RESERVE FUNDING INCLUDED IN TOTAL ($000)

FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
0	0	0	0	0	34	0	38	0

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System AN/SSQ-57 (SP) SONOBUOY	DATE: **SEPTEMBER 1997**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **B.A. 3 - AVIATION SUPPORT EQUIPMENT**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **PEO(A) PROGRAM NARM #403000 SUBHEAD TBD**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
TBD	AN/SSQ-57 w/SLC*	A	$50,654													2,056	$430.60	$2,885 **
TBD	PRODUCTION ENGINEERING		3,473															53
TBD	ACCEPTANCE TESTING		3,763															58
	*SONOBUOY LAUNCH CONTAINER																	
			$57,890			**$0**			**$0**			**$0**			**$0**			**$2,996**

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 115 PAGE NO. 2

** In addition to hardware, total costs include $2M for ECP.

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

Weapon System
AN/SSQ-57B (SP) SONOBUOY

A. DATE
SEPTEMBER 1997

B. APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Navy
B.A.3. - AVIATION SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE
PEO(A) PROGRAM NARM #403000

SUBHEAD
TBD

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY99										
AN/SSQ-57B	2,056	$430.60	NSWC CRANE	10/98	C/FFP	NOT SELECTED	12/98	10/99	YES	06/98

D. REMARKS

The P-5A exhibit depicts only hardware quantities and unit costs.
In addition to hardware, total costs include $2M for ECP.

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21

DATE SEPTEMBER 1997

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY

Weapon System
AN/SSQ-57 (SP) SONOBUOY

P-1 ITEM NOMENCLATURE

Item	Manufacturer's Name and Location	Production Rate MSR	1-8-5	MAX	Procurement Leadtimes ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
TBD	TBD	TBD	TBD	TBD		3	9		12	K
						3	9		12	K

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997												CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/SSQ-57B - NOT SELECTED	99		2.1		2.1																									2.1

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999												CALENDAR YEAR 2000									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/SSQ-57B - NOT SELECTED	99		2.1		2.1			A										0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40		DATE: SEPTEMBER 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**	**B.A. 3 - AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATU **AN/SSQ-62 (DICASS) SONOBUOY** **PEO(A) PROGRAM NARM: #403200 SUBHEAD: U3QF**
Program Element for Code B Items: **B.A. 3 - AVIATION SUPPORT EQUIPMENT**		Other Related Program Elements

	Prior Years*	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	$468.6		$23.7	**$4.0**	**$31.2**	**$24.3**	**$21.2**	**$29.6**	**$30.2**	**$32.0**	**$31.6**	**CONTINUING**	

The AN/SSQ-62 (DICASS) Sonobuoy is a directional active sonobuoy that provides target bearing and range information on the submarine with each echo. The AN/SSQ-62E is an ECP to the AN/SSQ-62D incorporating the following changes: (1) Command Function Select (CFS), and (2) all four sonar channels in one sonobuoy.

The FY96 contract was awarded to Sparton for a quantity of 1,384 AN/SSQ-62D's. The FY96 program includes $1.6M for an AN/SSQ-62D ECP.

FY97 contracts have been awarded to Sparton (18,542) and Hughes (3,472) for a total quantity of 22,014 AN/SSQ-62D's. The FY 97 program includes $7.8M for an AN/SSQ-62E ECP.

The FY98 program provides for 21,827 AN/SSQ-62E's to be competed among qualified manufacturers.

The FY99 program provides for 17,995 AN/SSQ-62E's to be competed among qualified manufacturers.

RESERVE FUNDING INCLUDED IN TOTAL ($000)

FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
0	81	936	728	1,031	1,184	1,206	1,281	1,264

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System AN/SSQ-62 (DICASS) SONOBUOY	DATE: **SEPTEMBER 1997**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **B.A. 3 - AVIATION SUPPORT EQUIPMENT**	ID Code P-1 ITEM NOMENCLATURE/SUBHEAD **PEO(A) PROGRAM NARM #403200 SUBHEAD U3QF**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost **	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QF001	AN/SSQ-62 w/SLC*	A	$416,047	22,425	$973.57	$22,032	1,384	$1,364.30	$3,533	22,014	$914.86	*** $28,243	21,827	$989.23	$21,592	** 17,995	$1,048.58	** $18,869
QF830	PRODUCTION ENGINEERING		24,000			668			214			1,599			1,296			1,121
QF860	ACCEPTANCE TESTING		28,556			1,022			231			1,396			1,403			1,215
	*SONOBUOY LAUNCH CONTAINER **INCLUDES FUNDING FOR SILVER																	
			$468,603			**$23,722**			**$3,978**			**$31,238**			**$24,291**			**$21,205**

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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*** In addition to hardware, total costs include 8.1M for other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs and data packages.

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System AN/SSQ-62 (DICASS) SONOBUOY	A. DATE SEPTEMBER 1997
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B. A. 3 - AVIATION SUPPORT EQUIPMENT	C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM	SUBHEAD U3QF

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY96										
AN/SSQ-62D w/SLC*	1,384	$1,364.30	NSWC CRANE	10/95	C/FFP	SPARTON, FL	4/96	4/97	YES	
FY97										
AN/SSQ-62D w/SLC*	18,542	$873.60	NSWC CRANE	10/96	C/FFP	SPARTON, FL	4/97	4/98	YES	
AN/SSQ-62D w/SLC*	3,472	$1,135.21	NSWC CRANE	10/96	C/FFP	HUGHES, IN	4/97	4/98	YES	
FY98										
AN/SSQ-62E w/SLC*	21,827	$989.23	NSWC CRANE	10/97	C/FFP	NOT SELECTED	3/98	1/99	YES	
FY99										
AN/SSQ-62E w/SLC*	17,995	$1,048.58	NSWC CRANE	10/98	C/FFP	NOT SELECTED	12/98	10/99	YES	

D. REMARKS

In addition to hardware, total costs include 8.1M for other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs, and data packages.

The P-5A exhibit depicts only hardware quantities and unit costs.

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21											DATE SEPTEMBER 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**						Weapon System AN/SSQ-62 (DICASS)					P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM: #403200
		Production Rate			Procurement Leadtimes						
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure	
AN/SSQ-62	HUGHES, IN	0.25	2.6	8.0*		3	9		12	K	
	SPARTON, FL	0.25	8.0	8.0*		3	9		12	K	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997									CALENDAR YEAR 1998												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/SSQ-62 - HUGHES**	94		8.5	0	8.5	0.8			0.8		1.6	1.6	1.6		1.4	0.7														
SPARTON	94		13.7	0	13.7							3.3	3.3	3.3	1.6	2.2														
AN/SSQ-62 - SPARTON	95		22.4	9.9	12.5			3.4	1.7	1.7	2.9	2.8																		
AN/SSQ-62 - SPARTON	96		1.4	0	1.4							0.3	0.3	0.2	0.2	0.2	0.2													
AN/SSQ-62 - SPARTON	97		18.5	0	18.5							A												2	2	2	2	2.1	2.1	6.3
HUGHES	97		3.5	0	3.5							A												0.3	0.4	0.4	0.4	0.4	0.4	1.2
AN/SSQ-62 - NOT SELECTED	98		21.8	0	21.8																		A							21.8
AN/SSQ-62 - NOT SELECTED	99		18.0	0	18.0																									18.0

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999									CALENDAR YEAR 2000												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/SSQ-62 - SPARTON	97		18.5	12.2	6.3	2.1	2.1	2.1																						
AN/SSQ-62 - HUGHES	97		3.5	2.3	1.2	0.4	0.4	0.4																						
AN/SSQ-62 - NOT SELECTED	98		21.8	0	21.8				2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4													
AN/SSQ-62 - NOT SELECTED	99		18.0	0	18.0			A										1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	

Remarks:
* IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAXIMUM QUANTITY SHOULD BE REDUCED BY 30%-50%.
** EFFECTIVE 1 AUGUST 1996, MAGNAVOX HAS BEEN RENAMED HUGHES DEFENSE COMMUNICATIONS, IN

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40		DATE: SEPTEMBER 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**	**B. A. 3 - AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE **AN/SSQ-101 (ADAR)** **PEO (A) PROGRAM NARM # 403600**
Program Element for Code B Items: Transitioning from R&D PROGRAM ELEMENT 0604261N in FY 99		Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	$0		**$0.0**	**$0.0**	**$0.0**	**$0.0**	**$17.0**	**$29.4**	**$38.2**	**$39.2**	**$38.7**	**CONTINUING**	

The AN/SSQ-101 Air Deployable Active Receiver (ADAR) is a commandable, passive A-size sonobuoy with a horizontal planar array that can be deployed at different depths. The ADAR sonobuoy transmits beamformed digital data to all Air ASW platforms and is deployed as the Improved Extended Echo Ranging System's active receiver.

The FY99 program provides for 3,856 AN/SSQ-101'S to be competed among qualified manufacturers.

THERE IS NO RESERVE REQUIREMENT FOR THE SSQ-101

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System AN/SSQ-101 (ADAR) SONOBUOY	DATE: **SEP 1997**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **B.A. 3 - AVIATION SUPPORT EQUIPMENT**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **PEO(A) PROGRAM NARM #403600 SUBHEAD TBD**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
TBD	AN/SSQ-101 w/SLC*	B														3,856	$3,908.89	$15,073
TBD	PRODUCTION ENGINEERING																	905
TBD	ACCEPTANCE TESTING																	980
	*SONOBUOY LAUNCH CONTAINER																	
			$0			**$0**			**$0**			**$0**			**$0**			**$16,958**

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System AN/SSQ-101 (ADAR) SONOBUOY	A. DATE SEP 1997

B. APPROPRIATION/BUDGET ACTIVITY	C. P-1 ITEM NOMENCLATURE	SUBHEAD
Other Procurement, Navy B. A. 3 - AVIATION SUPPORT EQUIPMENT	PEO(A) PROGRAM	TBD

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY99										
AN/SSQ-101	3,856	$3,908.89	NSWC CRANE	10/98	FFP/I	NOT SELECTED	3/99	3/00	NO	6/98

D. REMARKS

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21										DATE SEP 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**						Weapon System **AN/SSQ-101 (ADAR)**				P-1 ITEM NOMENCLATURE **PEO(A) PROGRAM**
		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AN/SSQ-101 (ADAR)	NOT SELECTED	TBD	TBD	TBD		3	9		12	K

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997												CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/SSQ-101 - NOT SELECTED	99		3.9		3.9																									3.9

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999												CALENDAR YEAR 2000									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/SSQ-101 (ADAR)	99		3.9		3.9						A												0.5	0.5	0.5	0.5	0.6	0.6	0.7	

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: SEPTEMBER 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY B.A. - AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE **SIGNAL, UNDERWATER SOUND (SUS)** **PEO (A) PROGRAM NARM # 404500**
Program Element for Code B Items:	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	$22.7		**$0.0**	**$0.0**	**$1.1**	**$0.0**	**$1.3**	**$0.0**	**$1.5**	**$0.0**	**$1.6**		

Signal, Underwater Sound devices are expendable, high energy acoustic sources. The MK 84 is a non-explosive, electro-acoustic device which is launched from aircraft and transmits acoustic tones after water entry. The MK 84 SUS is used for training and exercise signaling to submarines.

The FY97 Contract was awarded to Sparton for a quantity of 4,164.

The FY99 program provides for 6,000 MK 84's to be competed among qualified manufacturers.

RESERVE FUNDING INCLUDED IN TOTAL ($000)

FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
0	0	256	0	200	0	220	0	244

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System SIGNAL UNDERWATER SOUND (SUS) MK 84	DATE: **SEPTEMBER 1997**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **B.A. 3 - AVIATION SUPPORT EQUIPMENT**	ID Code P-1 ITEM NOMENCLATURE/SUBHEAD **PEO(A) PROGRAM NARM #404500 SUBHEAD U3QH**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QH003	SUS MK 84	A	$19,401							4,164	$198.20	** $956				6,000	$206.73	$1,240
QH830	PRODUCTION ENGINEERING		1,665									67						48
QH860	ACCEPTANCE TESTING		1,666									70						47
	ASSET														1			
			$22,732			**$0**			**$0**			**$1,093**			**$1**			**$1,335**

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

** ITEM NO. 119 PAGE NO. 2

In addition to hardware, total costs include 131K for other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs and data packages.

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System SIGNAL, UNDERWATER SOUND	A. DATE SEPTEMBER, 1997

B. APPROPRIATION/BUDGET ACTIVITY	C. P-1 ITEM NOMENCLATURE	SUBHEAD
Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT	PEO(A) PROGRAM	U3QH

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY97 *										
QH003 - SUS MK84	4,164	$198.20	NSWC CRANE	8/96	C/FFP	Sparton, FL	3/97	10/97	YES	
FY99										
QH003 - SUS MK 84	6,000	$206.73	NSWC CRANE	10/98	C/FFP	NOT SELECTED	12/98	10/99	YES	

D. REMARKS

*In addition to hardware, total costs include $131K for other items separately priced such as production line verifictions, some design and/or production readiness reviews, qualification costs and data packages.

The P-5A exhibit depicts only hardware quantities and unit costs.

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21										DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**						Weapon System **SUS MK 84**				P-1 ITEM NOMENCLATURE **PEO(A) PROGRAM**
		Production Rate				Procurement Leadtimes				
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
SUS MK 84	SPARTON	TBD	TBD	TBD		3	9		12	K

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997									CALENDAR YEAR 1998												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
QH003 - SUS MK 84- SPARTON	97		4.2	0	4.2						A							0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	
QH003 - SUS MK 84 - NOT SEL	99		6.0	0	6.0																									6.0

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999									CALENDAR YEAR 2000												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
QH003 - SUS MK 84 - NOT SEL	99		6.0	0	6.0			A										0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

Remarks:

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: SEPTEMBER 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment**	P-1 ITEM NOMENCLATURE **WEAPONS RANGE SUPPORT EQUIPMENT**
Program Element for Code B Items:	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	**$763.5**		**$61.5**	**$46.6**	**$31.2**	**$4.9**	**$8.3**	**$17.6**	**$24.1**	**$18.9**	**$19.2**	**Cont.**	**Cont.**

This budget line item provides the resources to implement the Navy Fleet Training Range (FTR) Instrumentation Program Plan. These FTRs provide the primary means of fleet combat readiness training. The plan addresses the following major procurement areas: Electronic Warfare (EW) simulators, Weapons Impact Scoring Set (WISS) Replacement, Systems Replacement and Modernization (SRAM), Tactical Aircrew Combat Training Systems (TACTS), SOCAL Communications Upgrade and generic systems such as range computer systems, underwater training range systems and range tracking, simulation, surveillance systems; and Large Area Tracking Range System (LATR System). The integral parts of these major range programs include but are not limited to the following: voice communications, weapons scoring systems, EW emitters/jammers, display consoles, radars, tracking subsystems, control/computation subsystems,display/debriefing subsystems, processors, HF/VHF/UHF receivers, transmitters/transceivers, multiplexers, intercom circuits, encoding devices, frequency interface control systems, power equipment, sonobouy tracking systems, bottom mounted underwater hydrophone systems, phase shift keying processors, and other specialized equipment.

Justification: Operational forces of the Navy's air, surface, and subsurface units are being equipped with the latest complex and sophisticated weapon systems to achieve and maintain high standards of fleet readiness. The FTRs must be furnished with training equipment capable of simulating, tracking, displaying, and debriefing the latest combat environments (e.g. electronic warfare). This equipment provides the Navy with the capability to: conduct safe fleet training exercises; achieve a high state of readiness; objectively evaluate training effectiveness as well as the strategy and tactics employed; evaluate the performance of equipment; and, to measure reliability and accuracy of operational weapon systems.

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: SEPTEMBER 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment**	P-1 ITEM NOMENCLATURE **WEAPONS RANGE SUPPORT EQUIPMENT**
Program Element for Code B Items:	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	**$763.5**		**$61.5**	**$46.6**	**$31.2**	**$4.9**	**$8.3**	**$17.6**	**$24.1**	**$18.9**	**$19.2**	**Cont.**	**Cont.**

SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM):

The SRAM program provides for the procurement of numerous minor equipments/instrumentation needed at all Navy training ranges. SRAM procurements replace and modernize economically unmaintainable systems and equipment in order to increase range efficiency. Generally, the receiving activity will accomplish installation of these minor equipments; whereas, the more complex equipments may require installation support from other agencies. Funding for installation of minor equipment is required in all years at all ranges.

TACTICAL AIRCREW COMBAT TRAINING SYSTEM (TACTS):

The TACTS was developed in the early 1970's in response to the large Aircrew losses in Vietnam. TACTS tracks aircraft and monitors weapon systems during training missions. Weapons simulations are run by the TACTS in response to aircrew actions. Results are displayed in real-time and recorded for post mission debrief. The original system was installed at Yuma, AZ and a follow-on system was installed at Oceana, VA. Navy Decision Coordinating Paper (NDCP) W0431-AA established a requirement to continue development of new training techniques and capabilities through TACTS upgrades. The USAF has adopted the TACTS, renamed the Air Combat Maneuvering Instrumentation (ACMI), and more recently the Air Combat Training System (ACTS), as their standard aircrew training system. The latest generation 36 A/C system achieved an initial operating capability at Fallon NV in 1985. Other 36 A/C systems have been installed at Cherry Point, NC and Beaufort, SC. The Yuma and Oceana systems have also been upgraded to the 36 A/C configuration.

The FY 1997 program will replace the Control and Computational Subsystems (CCSs) at Fallon, Cherry Point, Beaufort, and Yuma TACTS. The older computers currently used in the CCSs at these ranges are expensive to maintain and lack the processing capacity required to fully support recent and planned software enhancements.

The Tactical Aircrew Combat Training System (TACTS) Advanced Display and Debriefing Subsystem (ADDS) displays information used to monitor range flight activities in real time and to conduct post mission debriefs. The ADDS provides graphic three dimensional and tabular data during real time and post flight operation. FY 2000 funding will improve performance. In an effort to improve the ADDS user interface, provide hardware improvements in the areas of data transfer and storage, system administration, graphic displays and networking.

The Oceana TACTS Master Station at Bodie Island requires a significant upgrade due to its age and outdated structural standards. Dangerous conditions exist when the tower is subjected to structural loading extremes from ice and wind conditions. These conditions prohibit the addition of new radio equipment or microwave dishes to

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: SEPTEMBER 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment**	P-1 ITEM NOMENCLATURE **WEAPONS RANGE SUPPORT EQUIPMENT**
Program Element for Code B Items:	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	**$763.5**		**$61.5**	**$46.6**	**$31.2**	**$4.9**	**$8.3**	**$17.6**	**$24.1**	**$18.9**	**$19.2**	**Cont.**	**Cont.**

support program requirements. Specifically, the LATR and LWTC communications needs can not be served with the state of the existing tower. An upgrade tower will be integrated into a previously established government datalink and directly support the LWTC communications bandwidth requirements.

SHALLOW WATER RANGE (SW RANGE):

Existing underwater ranges are situated in deep water and cannot provide training in ASW tactics employed in shallow coastal waters. A Mission Needs Statement (MNS) for Shallow Water training instrumentation has been endorsed by both Atlantic and Pacific fleets and signed by N8: Fixed instrumentation is required to preclude the recurring cost of periodic retrieval and maintenance of mobile systems. FY 1997 funds the LANTFLT requirement for the procurement of the initial increment of a 125 square NM shallow water range and range control equipment at Onslow Bay, NC.

COMMUNICATIONS UPGRADE (TWENTYNINE PALMS):

Certain training sites within the Twentynine Palms' operating area do not have communications with the Twentynine Palms BEARMAT control facility. FY 1997 funding will procure eight solar powered communications suites and a backbone microwave link back to BEARMAT for continuous communications with aircraft and ground personnel operating throughout the Twentynine Palms operating area. Installation support for FY97 is for site preparation at Twenty-Nine Palms.

LOW ALT SURV RADAR (LASR)

Due to the elevation of the San Clemente radar on Mt. Thurst and the terrain between Mt. Thurst and the water, blind spots exist in the low level and surface radar coverage of the ASW and REWS range areas. It is in these low-level blind areas that much of the work with helicopters and surface craft takes place. Air and surface safety surveillance data is required in the SOCAL operating area south and west of San Clemente Island from the radar horizon from Mt. Thurst and from the surface to 5,000 feet. FY 2000 will fund the procurement of the (1) low level surveillance radar to cover existing blind spots at San Clemente.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: SEPTEMBER 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment**	P-1 ITEM NOMENCLATURE **WEAPONS RANGE SUPPORT EQUIPMENT**
Program Element for Code B Items:	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	**$763.5**		**$61.5**	**$46.6**	**$31.2**	**$4.9**	**$8.3**	**$17.6**	**$24.1**	**$18.9**	**$19.2**	**Cont.**	**Cont.**

LATR SYSTEM

LATR ACM RETROFIT

The Air Combat Maneuvering (ACM) capability is being developed as an ECP to the PMRF LATR in FY97. This upgrade provides weapon simulations for air-to-air and air-to-ground training exercises. The upgrade is primarily a software modification to the existing baseline with only minor hardware changes. This upgrade will be retrofitted to the VACAPES and SCORE Range in FY2001.

LATR INTEGRATION FACILITY (LIF)

The LATR Integration Facility Software Support Activity (LIF) (SSA) that provides hardware/software support for the three LATR training ranges at VACAPES, SCORE, AND PMRF. An upgrade is needed to the existing system to provide an operational system that can be used for hardware/software developments without having to go to an operational range for final integration and testing. The LIF requires additional communication and LATR hardware to obtain this capability.

LATR VEHICLE INSTRUMENTATION PACKAGES (VIPs)

A low cost instrumentation package is needed to track ground vehicles during training exercises without using expensive airborne or shipboard PIPs developed for the LATR system. The amphibious PIPs are developed using a GPS receiver and a transponder/radio that interfaces with the current LATR system, thereby providing realtime tracking data back to the range operation center

BUDGET ITEM JUSTIFICATION SHEET
P-40

DATE: **SEPTEMBER 1997**

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment

P-1 ITEM NOMENCLATURE
WEAPONS RANGE SUPPORT EQUIPMENT

Program Element for Code B Items:

Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	**$763.5**		**$61.5**	**$46.6**	**$31.2**	**$4.9**	**$8.3**	**$17.6**	**$24.1**	**$18.9**	**$19.2**	**Cont.**	**Cont.**

LATR UPGRADE AT SCORE

During the testing of the LATR system at SCORE, the Radio Frequency Interference (RFI) was so great that LATR was unable to establish and maintain the links required to transmit data. This made LATR inoperable at SCORE. FY-99 funding has been provided for a three phased approach which will convert the SCORE instrumentation to a new frequency which has been demonstrated to rectify the problem. Phase one changes the frequency of instrumentation currently being procured. Phase two would procure the additional instrumentation to permit SCORE to be independent. Phase three would convert all the remaining instrumentation at SCORE to the new frequency.

TELEMETRY EQUIPMENT:

The Telemetry Equipment program will upgrade and modernize equipment, inclusive of related target control systems/equipment, at Fleet Telemetry (TM) stations and the Pacific Missile Range Facility (PMRF). These stations are located in Greece, Puerto Rico, Virginia and Hawaii. Presen telemetry stations are based on telemetry requirements established in the early 1970s. Since then, missiles have advanced in sophistication and complexity including a move from analog to digital technology. Prior year funding has provided modest on-going improvements and modernization programs to replace least reliable equipment's and meet the most urgent telemetry requirements for new weapon systems. The only exception being the Puerto Rico Station. Consequently, the stations have become increasingly difficult and expensive to maintain and are not suited to handling the new digital TM formats required by new emerging weapon systems.

FY 1997 funding will continue to upgrade the tracking processing, and display elements of Portable Airlaunched Missile Telemetry Acquisition System (PATAS) and upgrade the AFWTF TM station.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS
P-40a

DATE: **SEPTEMBER 1997**

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment

P-1 ITEM NOMENCLATURE

Procurement Items	ID Code	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
REWS													
QUANTITY			1										**1**
COST (In Thousands)		12,417	2,220										**14,637**
MACCS													
QUANTITY			1										**1**
COST (In Thousands)		10,080	1,125										**11,205**
THREAT EMITTERS													
QUANTITY			5	5									**10**
COST (In Thousands)		60,933	5,000	3,188									**69,121**
AVENGER													
QUANTITY			4										**4**
COST (In Thousands)		989	909										**1,898**
WISS													
QUANTITY			9	15									**24**
COST (In Thousands)			3,919	8,073									**11,992**
TACTS													
FALLON/NELLIS													
QUANTITY			1										**1**
COST (In Thousands)			1,923										**1,923**
YUMA LOW TACTS													
QUANTITY				1									**1**
COST (In Thousands)				586									**586**
CHERRY PT UPGRADE													
QUANTITY				1									**1**
COST (In Thousands)				1,439									**1,439**
TACTS CONTROL													
QUANTITY					4								**4**
COST (In Thousands)					1,250								**1,250**
BODIE ISLAND UPGRADE/LWTC DATALINK													
QUANTITY								1					**1**
COST (In Thousands)							780	820	500				**2,100**
ADDS/HW UPGRADE													
QUANTITY								22	23				**45**
COST (In Thousands)								1,000	1,000				**2,000**
SW RANGE (LANT)													
QUANTITY					1					1			**2**
COST (In Thousands)					12,464				700	6500	1100		**20,764**

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS
P-40a

DATE: **SEPTEMBER 1997**

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment

P-1 ITEM NOMENCLATURE

Procurement Items	ID Code	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
SW RANGE (PAC)													
QUANTITY									1		1		**2**
COST (In Thousands)								1,700	12,600	2,200	8,400		**24,900**
SOCAL COMM UPGRADE													
QUANTITY													
COST (In Thousands)		509	1,103	5899									
CCN II													
QUANTITY			1										**1**
COST (In Thousands)			6,000										**6,000**
PMRF UPGRADE													
QUANTITY			1	1									**3**
COST (In Thousands)		12,280	20,966	9,462									**37,472**
MAGICC													
QUANTITY										1	1		**2**
COST (In Thousands)										500	500		**1,000**
LATR SYSTEM													
LATR UPGRADE SCORE													
QUANTITY							49	71					**120**
COST (In Thousands)							1,100	2,000					**3,100**
LATR ACM RETROFIT													
QUANTITY					1				2				**3**
COST (In Thousands)					4,226				400				4626
LATR VIPS													
QUANTITY								1	1				**2**
COST (In Thousands)								500	500				**1,000**
LATR INTEGATION FACILITY													
QUANTITY													**0**
COST (In Thousands)								282	218				**500**
LITTORAL WARFARE TRAINING COMPLEX													
MAEWR ROCC													
QUANTITY			1										**1**
COST (In Thousands)			380										**380**

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS
P-40a

DATE: **SEPTEMBER 1997**

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment

P-1 ITEM NOMENCLATURE

Procurement Items	ID Code	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
LOW ALT TRACKING MCB CAMP LEJEUNE													
QUANTITY			1										**1**
COST (In Thousands)			1,300										**1,300**
COMM SUITE INSTALLATION													
QUANTITY				1									**1**
COST (In Thousands)				719									**719**
LASR SCORE													
QUANTITY								1					**1**
COST (In Thousands)								1,300					**1,300**
TELEMETRY													
QUANTITY													
COST (In Thousands)		11,826	995	1,203	1,000								
COMM UPGRADE (TWENTY-NINE PALM)													
QUANTITY													
COST (In Thousands)					787								
SRAM													
QUANTITY													
COST (In Thousands)		29,832.00	5,230	5,426	5,574	2,135	3,082	6,299	5,047	6,405	6,302		**45,500**
OTHER COSTS		636,903	10,507	10,615	5,937	2,723	3,297	3,697	3,129	3,253	2,859	Cont	Cont
TOTAL FUNDING		**775,769**	**61,577**	**46,610**	**31,238**	**4,858**	**8,259**	**17,598**	**24,094**	**18,858**	**19,161**	**Cont**	**Cont**

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System		DATE: **SEPTEMBER 1997**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA-3 Aviation Support Equipment**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **43SC** **WEAPONS RANGE SUPPORT EQUIPMENT**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SC001	REWS	N/A	12,417	1	2,220	2,220												
SC002	AIRCREW EW TRAINING RANGES	N/A	72,002			[7,034]			[3,188]									
	MACCS (Cherry Point)			1	1,125	1,125												
	Yuma: Threat Emitters Comm System Interface			5	1,000	5,000	5	637.6	3,188									
	Avenger			4	227.25	909												
SC003	WISS REPLACEMENT	N/A		9	435.45	3,919	15	538.2	8,073									
SC004	SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM)	N/A	29,832		N/A	5,230		N/A	5,426		N/A	5,574		N/A	2,135		N/A	3,082

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System		DATE: **SEPTEMBER 1997**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA-3 Aviation Support Equipment**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **43SC** **WEAPONS RANGE SUPPORT EQUIPMENT**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SC007	TACTICAL AIRCREW COMBAT TRAINING SYSTEM (TACTS)	N/A	33,998			[1,923]			[2,025]			[1,250]						[1,000]
	Fallon/Nellis Microwave Link			1	1,923	1,923												
	Yuma Low Altitude TACTS Tracking						1	586	586									
	Cherry Point Upgrade						1	1,439	1,439									
	TACTS Control & Computational Subsystem (CCS)									4	312.50	1,250						
	BODIE ISLAND UPGRADE/LWTC DATALINK															N/A		780
SC012	SW RANGE (LANT) EAST COAST PHASE ONE									1	12,464	12,464						
SC018	COMM UPGRADE (TWENTYNINE PALMS)									N/A		787						
SC027	CCN II			1	6,000	6,000												
SC028	PACIFIC MISSILE RANGE FACILITY UPGRADE (PMRF)	N/A	12,280	1	20,541	20,966	1	9,462	9,462									
SC034	LATR SYSTEM LATR ACM RETROFIT									1	4,226	4,226						
	LATR UPGRADE SCORE	N/A														49	22.45	1,100
SC037	SOCAL COMM UPGRADE	N/A	509	N/A		1,103	N/A		5,899									

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System	DATE: **SEPTEMBER 1997**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA-3 Aviation Support Equipment**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **43SC** **WEAPONS RANGE SUPPORT EQUIPMENT**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SC040	LITTORAL WARFARE TRAINING COMPLEX	N/A	214			[1,680]			[719]									
	MAEWR ROCC			1	380	380												
	Low Alt Tracking MCB Camp Lejeune			1	1,300	1,300												
	Comm Suite						1	719	719									
SC601	TELEMETRY	N/A	11,826	N/A		995	N/A		1,203	N/A		1,000						
SC831	PRODUCTION ENGINEERING, OTHER RANGES	N/A	59,543	N/A		5,675	N/A		5,987	N/A		3,139	N/A		1,558	N/A		1,562
SC860	ACCEPTANCE TEST & EVALUATION	N/A	4,021	N/A		520	N/A		1,082	N/A		1,047	N/A		155	N/A		150
SC971	ILS, OTHER RANGES	N/A	26,282	N/A		2,026	N/A		2,063	N/A		937	N/A		810	N/A		460
SC900	INSTALLATION OF EQUIP-NON FMP	N/A	4,284	N/A		2,286	N/A		1,483	N/A		814	N/A		200	N/A		1,125
	VARIOUS 1/		496,281															

1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 1995 and beyond.

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS
P-5

Weapon System

DATE: **SEPTEMBER 1997**

APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Navy
BA-3 Aviation Support Equipment

ID Code

MENCLATURE/SUBHEAD
43SC
WEAPONS RANGE SUPPORT EQUIPMENT

COST CODE	ELEMENT OF COST	FY 2000			FY 2001			FY 2002			FY 2003			To Complete		Total	
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost
SC004	SRAM	N/A		6,299	N/A		5,047	N/A		6,405	N/A		6,302				
SC007	TACTS																
	ADDS H/W UPGRADE	22	44.44	1,000	23	44.44	1,000										
	BODIE ISLAND UPG/LWTC DATALINK	1	820	820	N/A		500										
SC012	SW RANGE																
	PAC - WEST COAST	N/A		1,700	1- PHASE 1	12,600	12,600	N/A		2,200	1-PHASE 2		8,400				
	LANT - EAST COAST				N/A		700	1-PHASE 2	6,500	6,500	N/A		1,100				
SC021	LASR SCORE	1	1,300	1,300													
SC028	MAGICC							1	500	500	1	500	500				
SC034	LATR																
	LATR UPGRADE SCORE	71	28.17	2,000													
	LATR ACM RETROFIT				2	200	400										
	LATR VIPS	30	16.67	500				30	16.67	500							
	LATR INTEGRATION FACILITY	N/A		282	N/A		218										
SC831	PRODUCTION ENGINEERING OTHER RANGES	N/A		2,242	N/A		2,179	N/A		1,708	N/A		1,754				
SC860	ACCEPTANCE TEST & EVALUATION	N/A		175	N/A		175	N/A		100	N/A		125				
SC971	ILS, OTHER RANGES	N/A		725	N/A		775	N/A		675	N/A		680				
SC900	INSTALLATION OF EQUIP NON FMP	N/A		555	N/A		500	N/A		270	N/A		300				
	TOTAL			**17,598**			**24,094**			**18,858**			**19,161**		**Cont.**		**Cont.**

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P-1 SHOPPING LIST
ITEM NO. 120

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CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE SEPTEMBER 1997
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 AVIATION SUPPORT EQUIPMENT	C. P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT	SUBHEAD 43SC

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
SC004 SYS REPL & MOD										
1997	N/A	5,574	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/97	YES	N/A
1998	N/A	2,135	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/98	YES	N/A
1999	N/A	3,082	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/99	YES	N/A

D. REMARKS

*SRAM consists of approximately 70 projects each FY with award dates starting when funds are released and continuing until 31 MARCH of current FY.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) AVIATION SUPPORT EQUIPMENT	Weapon System	A. DATE SEPTEMBER 1997
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 Aviation Support Equipment	C. P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT	SUBHEAD 43SC

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
SC007 TACTS										
TACTS CCS 1997	4	313	NAWCWD CHINA LAKE	N/A	PX	NAWCWD CHINA LAKE	01/97	10/98	YES	N/A
BODIE ISLAND UPGRADE/LWTC DATALINK 1999	N/A	780	NAVAIR	4/98	FFP	TBD	10/98	5/99	YES	N/A
SC012 SW RANGE 1997	1	12,464	NUWC, NEWPORT	2/14/97	CPIFAF	TBD	09/97	07/99	YES	N/A
SCO18 COMM UPGRADE TWENTY-NINE PALMS 1997	N/A	**787	NWAD, CORONA	N/A	PX	MOTOROLA, INC SCOTTSDALE, AZ	11/96	10/97	YES	N/A
SC034 LATR SYSTEM										
LATR ACM RETROFIT 1997	1	4,226	NAWCADPAX	10/97	FFP	SAIC	12/97	6/99	YES	N/A
LATR UPGRADE SCORE 1999	49	22.4	NAWCAD PAX	06/98	FFP	SAIC, SAN DIEGO	11/98	10/99	YES	N/A
SC601 TELEMETRY										
1997	N/A	**1,000	NWAD, CORONA	VARIOUS	C/FFP/PO	VARIOUS	01/97	06/98	YES	N/A

D. REMARKS

**Total cost is shown, Unit cost will vary by site, due to unique turnkey installation requirements and telemetry site unique missions and resulting configurations.

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21																												DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipmen**																												Weapon System P-1 ITEM NOMENCLATURE 43SC **WEAPONS RANGE SUPPORT EQUIPMENT**
						Production Rate			Procurement Leadtimes																			
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure														
TACTS CCS	NAWC-WD CHINA LAKE																											
ADDS H/W UPGRADE	TBD																											
BODIE ISLAND UPGRADE/LWTC DATALINK	TBD																											
SW RANGE	TBD																											
LATR UPGRADE SCORE	SAIC SAN DIEGO																											

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997												CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
TACTS CCS	97	N	4	0	4				A																					4
SW RANGE	97	N	1	0	1												A													1
LATR UPGRADE SCORE	99	N	49	0	49																									49

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999												CALENDAR YEAR 2000									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
TACTS CCS	97	N	4	0	4	1	1	2																						0
BODIE ISLAND UPGRADE/LWTC DATALINK	99	N	1	0	1	A							1																	0
SW RANGE	97	N	1	0	1										1															0
LATR UPGRADE SCORE	99	N	49	0	49		A											20	20	9										0
ADDS H/W UPGRADE	00	N	22	0	22															A										22
LATR UPGRADE SCORE	00	N	71	0	71																					20	20	20	11	0
LATR VIPS	00	N	30	0	30																		10	10	10					

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA3-AVIATION SUPPORT EQUIP	DATE: **SEPTEMBER 1997**
P-1 ITEM NOMENCLATURE **SC007 TACTS CCS**	Admin Leadtime (after Oct1): **4 MONTHS**	Prod Leadtime : **21 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		4						
Unit Cost		312.50						
Total Cost	0	1,250						
Asset Dynamics								
Beginning Asset Position		0	0	0	4	4	4	4
Deliveries from all prior year funding								
Deliveries from FY 1997 funding			0	4	0	0	0	0
Deliveries from FY 1998 funding								
Deliveries from FY 1999 funding								
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	0	0	4	4	4	4	4
Inventory Objective or Current Authorized Allowance	0	4	4	4	4	4	4	4

Inventory Objective 4	Actual Training Expenditures 0	Other than Training Usage 0	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 1998 Replacement: N/A	Aircraft: TOAI: N/A
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY BA3-AVIATION SUPPORT EQUIP**	DATE: **SEPTEMBER 1997**
P-1 ITEM NOMENCLATURE **SC012 SHALLOW WATER RANGE**	Admin Leadtime (after Oct1): **9 MONTHS**	Prod Leadtime : **25 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		1-EAST COAST PHASE 1				1-WEST COAST	1-EAST COAST	1- WEST COAST
						PHASE 1	PHASE 2	PHASE 2
Unit Cost		12,464				13,300	8,700	9,500
Total Cost		12,464			1,700	13,300	8,700	9,500
Asset Dynamics								
Beginning Asset Position	0	0	0	0	1	1	1	1
Deliveries from all prior year funding								
Deliveries from FY 1997 funding				1-EAST COAST PHASE 1	0	0	0	0
Deliveries from FY 1998 funding								
Deliveries from FY 1999 funding								
Deliveries from subsequent years' funding	0	0	0	0	0	0		1-WEST COAST
								PHASE 1
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	0	0	1	1	1	1	2
Inventory Objective or Current Authorized Allowance	0	3	3	3	3	3	3	3

Inventory Objective 3*	Actual Training Expenditures 0	Other than Training Usage 0	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 1998 Replacement: N/A	Aircraft: TOAI: N/A
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks: *Inventory Objective is 3 as follows:

1. East Coast (4 Phases)
2. West Coast (3 Phases)
3. WestPac (1 Phase)

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY BA3-AVIATION SUPPORT EQUIP**	DATE: **SEPTEMBER 1997**
P-1 ITEM NOMENCLATURE **SC007 ADDS HARDWARE UPGRADE**	Admin Leadtime (after Oct1): **3 MONTHS**	Prod Leadtime : **12 MONTHS**

	FY 95	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY2002	FY 2003
Buy Summary						22	**23**		
Unit Cost						44.44	44.44		
Total Cost						1000	1000		
Asset Dynamics									
Beginning Asset Position						0	0	22	45
Deliveries from all prior year funding FY 96									
Deliveries from FY 1997 funding									
Deliveries from FY 1998 funding									
Deliveries from FY 1999 funding									
Deliveries from subsequent years' funding							22	23	0
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attritions/etc.									
End of Year Asset Position						0	22	45	45
Inventory Objective or Current Authorized Allowance						45	45	45	45

Inventory Objective 45	Actual Training Expenditures 0	Other than Training Usage 0	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 1998 Replacement: N/A	Aircraft: TOAI: N/A
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995: 0	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY BA3-AVIATION SUPPORT EQUIP**	DATE: **SEPTEMBER 1997**
P-1 ITEM NOMENCLATURE **SC007 BODIE ISLAND UPGRADE/LWTC DATALINK**	Admin Leadtime (after Oct1): **4 MONTHS**	Prod Leadtime : **6 MONTHS**

	FY 95	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					0	1	0		
Unit Cost						820			
Total Cost					780	820	500		
Asset Dynamics									
Beginning Asset Position					0	0	1	1	1
Deliveries from all prior year funding FY 96									
Deliveries from FY 1997 funding									
Deliveries from FY 1998 funding									
Deliveries from FY 1999 funding									
Deliveries from subsequent years' funding						1	0	0	0
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attritions/etc.									
End of Year Asset Position						1	1	1	1
Inventory Objective or Current Authorized Allowance						1	1	1	1

Inventory Objective 1	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995: 0	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA3-AVIATION SUPPORT EQUIP	DATE: **SEPTEMBER 1997**
P-1 ITEM NOMENCLATURE **SC034 LATR UPGRADE SCORE**	Admin Leadtime (after Oct1): **2 MONTHS**	Prod Leadtime : **11 MONTHS**

	FY 95	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					49	71			
Unit Cost					22.4	28.17			
Total Cost					1,100	2,000			
Asset Dynamics									
Beginning Asset Position					0	0	49	120	120
Deliveries from all prior year funding FY 96									
Deliveries from FY 1997 funding									
Deliveries from FY 1998 funding									
Deliveries from FY 1999 funding						49			
Deliveries from subsequent years' funding							71	0	0
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attritions/etc.									
End of Year Asset Position					0	49	120	120	120
Inventory Objective or Current Authorized Allowance					120	120	120	120	120

Inventory Objective 120	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995: 0	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: SEPTEMBER 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment**	P-1 ITEM NOMENCLATURE **EXPEDITIONARY AIRFIELDS**
Program Element for Code B Items: **0603512N**	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	**$118.5**		**$2.5**	**$5.9**	**$1.5**	**$1.3**	**$5.1**	**$3.1**	**$8.0**	**$8.2**	**$8.3**	**Continuing**	**Continuing**

EXPEDITIONARY AIRFIELDS (EAF)

This program provides for procurement of aircraft recovery equipment, landing mat and accessories, airfield lighting, and Visual Landing Aids for Naval Aviation Expeditionary Airfields (EAF).

This core funding level directly supports the procurement and fielding of operational expeditionary airfield systems in the three active duty Marine Aircraft Wings and one Reserve Marine Aircraft Wing, testing and training installations, and provides assets for use by the Marine Expeditionary Forces during contingency operations.

A Total of forty-four (44) mobile arresting gear systems, as well as associated equipment, accessories, and service changes are procured and fielded with these funds. Equipment procurements are based on inventory shortfalls, product improvements to fill or correct known deficiencies, modernizing EAF equipment to improve maintainability, reliability, and safety-of-flight, and to keep pace with new aircraft and aircraft systems. Additionally, equipment procurements will facilitate forward deployment of EAF systems aboard Rapid Deployment Force/Maritime Prepositioning Force (RDF/MPF) ships which is a operational requirement under the Maritime Corps Master Plan, the Enhanced Maritime Prepositioning Squadron (EMPS) requirement, and the EAF 2000 concept.

The FY 1997 program provides for service change kit procurements for F-70 tool kits to accommodate pre-positioning EAF assets on MPS, refurbish M-21 arresting gear, PE, and ILS for EAF procurement products.

The FY 1998 budget request provides for service change kit procurements for Minimum Operating Strip Lighting Systems (MOSLS), PE, and ILS for EAF procurement products.

The FY 1999 budget request provides for service change kit procurements for Minimum Operating Strip Lighting Systems (MOSLS), Flatrack service changes to accommodate positioning EAF assets on MPS, PE, and ILS for EAF procurement products.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS
P-40a

DATE: **SEPTEMBER 1997**

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment

P-1 ITEM NOMENCLATURE
EXPEDITIONARY AIRFIELDS

Procurement Items	ID Code	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
Service Change Kits	A	**$9.2**	**$2.0**	**$5.4**	**$1.2**	**$1.2**	**$5.0**	**$2.9**	**$2.1**	**$3.3**	**$3.3**	Continuing	Continuing
F71/2 AM-2 Mat	A												
QUANTITY		2119	465	579									3163
COST (In Millions)		($8.4)	($1.2)	($1.7)									**($11.3)**
F70 Tool Kit	A												
QUANTITY		5	10	10	5								30
COST (In Millions)		($0.4)	($0.8)	($0.9)	($0.5)								**($2.5)**
Flatrack	A												
QUANTITY		70		308			208	159		363	349		1457
COST (In Millions)		($0.4)		($2.0)			($1.4)	($1.1)		($2.5)	($2.5)		**($9.9)**
M-21 Arresting Gear	A												
QUANTITY				9	8								17
COST (In Millions)				($0.8)	($0.7)								**($1.5)**
Revetment	B												
QUANTITY									9	28	28	67	132
COST (In Millions)									($0.3)	($0.9)	($0.9)	($2.2)	**($4.2)**
MOSLS	A												
QUANTITY						2	6	3	3				14
COST (In Millions)						($1.2)	($3.6)	($1.8)	($1.9)				**($8.5)**
M-31 Mobile Arresting Gear	B												
QUANTITY									5	4	4	31	44
COST (In Millions)									$5.6	$4.5	$4.6	Continuing	Continuing
Various 1/	A	$109.3	$0.5	$0.6	$0.3	$0.05	$0.1	$0.1	$0.2	$0.3	$0.4	Continuing	Continuing
Total Funding		$118.5	$2.5	$5.9	$1.5	$1.3	$5.1	$3.1	$8.0	$8.2	$8.3	Continuing	Continuing

1/ The amount identified against this cost element reflects total prior year funding associated with costelements no longer financed in FY1995 and beyond.

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System		DATE: **SEPTEMBER 1997**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA3 - Aviation Support Equipment**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **EXPEDITIONARY AIRFIELDS / 43SE**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS Prior Years Total Cost	FY 1995 Quantity	FY 1995 Unit Cost	FY 1995 Total Cost	FY 1996 Quantity	FY 1996 Unit Cost	FY 1996 Total Cost	FY 1997 Quantity	FY 1997 Unit Cost	FY 1997 Total Cost	FY 1998 Quantity	FY 1998 Unit Cost	FY 1998 Total Cost	FY 1999 Quantity	FY 1999 Unit Cost	FY 1999 Total Cost
SE010	Service Change Kits	A	9,200			1,954			5,391			1,193			1,210			5,045
	F71 / 2 AM-2 Mat		(8,400)	465	2.57	(1,196)	579	2.95	(1,708)									
	F70 Tool Kit		(400)	10	75.8	(758)	10	87.1	(871)	5	95.0	(475)						
	Flatrack		(400)				308	6.6	(2,033)							208	6.8	(1,415)
	M-21 Arresting Gear						9	86.6	(779)	8	89.7	(718)						
	Revetment																	
	MOSLS												2	605.0	(1,210)	6	605.0	(3,630)
TBD	M-31 Mobile Arresting Gear	B																
SE800	Integrated Logistics Support		3,192			125			244			196			22			51
SE830	Production Engineering		11,852			300			309			134			20			49
SE860	Acceptance Test & Evaluation		482			104												
	Various 1/		93,779															
	The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY1995 and beyond.																	
			118,505			**2,483**			**5,944**			**1,523**			**1,252**			**5,145**

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System		DATE: SEPTEMBER 1997
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA-3 Aviation Support Equipment**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **EXPEDITIONARY AIRFIELDS / 43SE**	

COST CODE	ELEMENT OF COST	TOTAL COST IN THOUSANDS OF DOLLARS															
		FY 2000			FY 2001			FY 2002			FY 2003			To Complete		Total	
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost
SE010	Service Change Kits			2,930			2,149			3,336			3,346		Continuing		Continuing
	F71/2 AM-2 Mat															3,163	(11,304)
	F70 Tool Kit															30	(2,504)
	Flatrack	159	6.84	(1,088)				363	6.8	(2,468)	349	7.1	(2,478)			1,457	(9,882)
	M21															17	(1,497)
	Revetment				9	31.8	(286)	28	31.0	(868)	28	31.0	(868)	67	(2,211)	132	(4,233)
	MOSLS	3	614.0	(1,842)	3	621.0	(1,863)									14	(8,545)
TBD	M-31 Mobile Arresting Gear				5	1121.0	5,605	4	1126.0	4,504	4	1150.0	4,600	31	41,689	44	56,398
SE800	Integrated Logistics Support			65			115			112			153		Continuing		Continuing
SE830	Production Engineering			61			127			107			146		Continuing		Continuing
SE860	Acceptance Test & Evaluation									100			102		Continuing		Continuing
	Various The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY95 and beyond.																93,779
				3,056			**7,996**			**8,159**			**8,347**		**Cont**		**Cont**

DD FORM 2446, JUN 86

CLASSIFICATION:

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CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE	C. DATE SEPTEMBER 1997

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)																				2	1	1	2	1	
	(P)																			1						
SCHOOLS/OTHER TRAINING	(P)																									
OTHER	(P)																									
TOTAL PHASED REQ	(C)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	2	1	36
ASSETS ON HAND	(BP)																									
DELIVERY FY 96 & PRIOR	(P)																									
FY 96 & PRIOR	(P)																									
FY 97	(P)																									
FY 98	(P)																									
FY 99	(P)																			1	2					
FY 00	(P)																									
FY 01	(P)																					1	1	2	1	
FY 02	(P)																									4
FY 03	(P)																									4
To Complete	(P)																									28
TOTAL ASSETS	(C)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	5	7	8	44
QTY OVER (+) OR SHORT (-)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	5	7	8

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN -					
	2. APPN -					
	3. PROCUREMENT LEADTIME	ADMIN	INITIAL ORDER		REORDER	

DD for 2447, JUN 86

P-1 SHOPPING LIST

ITEM NO PAGE NO

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**	P-1 ITEM NOMENCLATURE **A/C Rearming Equipment**
Program Element for Code B Items:	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	**$235.4**		**$8.7**	**$7.4**	**$9.1**	**$10.4**	**$13.2**	**$13.0**	**$13.3**	**$13.5**	**$13.8**	**Cont.**	**Cont.**

This program funds the procurement of common Armament Support Equipment (ASE) and Weapons Support Equipment (WSE) under the procurement and inventory control of the Naval Inventory Control Point (NAVICP) and the Naval Air Systems Command.

This budget line supports: (a) initial outfitting for all in-production weapons systems; (b) new Support Equipment (SE); and (c) elimination of the severe shortage of Armament Weapon Support Equipment (AWSE). These shortages prevent support of sustained operations and surge deployment of our CV Batttle groups.

Shipboard/Shorebased WSE is utilized by weapons departments to handle, transport, and maintain weapons. Examples of the equipment are the A/S32K-1D USMC Weapon Loader, Linkless Ammunition Loading System (LALS II), Common Detent Tester, A/E32K-3 RAMS, MHU-202/M Munitions Trailer, and the LALS Replenisher

Shipboard/Shorebased ASE is utilized by squadrons and supporting activities to load and service aircraft weapons and guns.

The FY 1998 budget request provides for procurement of 47 LALS II units, and associated production engineering and acceptance test support. The FY 1999 budget request provides for procurement of 53 LALS II units, 2 HLU-196 D/E Bomb Hoists, 91 MHU-202/M Munitions Trailers, and associated production engineering and acceptance test support.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS **DATE:** September 1997

P-40a

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY

P-1 ITEM NOMENCLATURE
A/C Rearming Equipment

Procurement Items	ID Code	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
LALS II	A	$6,227	$829	$5,663.0	$7,447.0	$8,254	$9,935	$9,443	$8,746				$56,544
QTY		3	2	29	35	47	53	56	45				270
HLU-196D/E BOMB HOIST	A						$162		$1,093	$1,377	$1,369	$3,386	$7,387
QTY							2		107	135	134	322	700
MHU-202/M MUN TRAILER	A	$4,537	$547				$862	$667	$667	$602			$7,882
QTY		316	91				91	71	71	64			704
A/S32K-1D WPNS LOADER	A	$18,453	$1,376							$1,326	$1,577	$11,138	$33,870
		266	18							13	19	101	417
CYCLING ADAPTER	A							$314					$314
QTY								21					21
ADU-514/A/E MISSILE ADAP	A									$1,118	$1,274	$3,716	$6108
QTY										559	637	1804	3,000
NEXT GEN MUNITION HAND	A									$1,296	$246		$1,542
QTY										4	1		5
MHU-191 TRANSPORT	A									$1,560	$2,000	$1,483	$5,043
QTY										312	400	288	$1,000
A/M 32K-4A MUNITIONS TR	A									$2,295	$3,271		$5,566
QTY										153	218		371
ADU-699/E SONOBUOY AD	A									$975	$975		$1,950
QTY										78	78		156
SUBTOTAL		$29,217	$2,752	$5,663	$7,447	$8,254	$10,959	$10,424	$10,506	$10,549	$10,712	Cont.	Cont.
OTHER		$206,153	$5,956	$1,698	$1,634	$2,102	$2,268	$2,625	$2,756	$2,981	$3,130	Cont.	Cont.
TOTAL		$235,370	$8,708	$7,361	$9,081	$10,356	$13,227	$13,049	$13,262	$13,530	$13,842	Cont.	Cont.

P-1 SHOPPING LIST **CLASSIFICATION:**

DD Form 2454, JUN 86 ITEM NO. **122** PAGE NO. **2**

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CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System	DATE: September 1997
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA-3 Aviation Support Equipment**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **A/C REARMING EQUIPMENT 43SH**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SH004	Shipboard/Shorebase WSE																	
	LALS II	A	6,227	2	414.50	829	29	195.28	5,663	35	212.77	7,447	47	175.61	8,254	53	187.45	9,935
	HLU-196D/E BOMB HOIST	A														2	81.00	162
	MHU-202/M MUNITIONS TRAILER	A	4,537	91	6.01	547										91	9.47	862
	A/532K-1D WEAPONS LOADER	A	18,453	18	76.44	1,376												
SH830	Production Engineering		14,743			2,129			1,477			1,472			1,872			2,048
SH860	Acceptance Test and Evaluation		1,989			481			221			162			230			220
	OTHER		189,421			3,346												
			235,370			**8,708**			**7,361**			**9,081**			**10,356**			**13,227**

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | Weapon System | A. DATE September 1997

B. APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Navy
BA-3- Aviation Support Equipment

C. P-1 ITEM NOMENCLATURE
A/C Rearming Equipment

SUBHEAD **43SH**

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
SH004										
LALS II										
FY-1995	2	414.5	NAWC PT MUGU		FP/OPTION	WESTERN DESIGN	12/1/95	10/1/96	YES	
FY-1996	29	195.28	NAWC PT MUGU		FP/OPTION	WESTERN DESIGN	12/23/95	11/1/96	YES	
FY-1997	35	212.77*	NAWC PT MUGU		FP/OPTION	WESTERN DESIGN	12/30/96	1/9/98	YES	
FY-1998	47	175.61*	NAWC PT MUGU		C/FFP	TBD	12/1/97	10/1/98	YES	
FY-1999	53	187.45*	NAWC PT MUGU		FP/OPTION	TBD	12/1/98	10/1/99	YES	
HLU-196D/E BOMB HOIST										
FY-1999	2	81.00	NAWCAD LKE		TBD	TBD	12/1/98	12/1/99	YES	
MHU-202/M MUNITIONS	TRAILER									
FY-1995	91	6.01	NAWCAD LKE		FP/OPTION	VERVAL ENTERPRISES	3/2/95	12/1/96	YES	
FY-1999	91	9.47	NAWCAD LKE		TBD	VERVAL ENTERPRISES	12/1/98	12/1/99	YES	

D. REMARKS

* FY-97 LALS II includes procurement of data rights for drawings and tooling; FY-99 includes procurement of ancillary equipment; (33) LALS II Replenishers. The aforementioned increased the average unit cost.

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **LALS II**	Admin Leadtime (after Oct1): **2**	Prod Leadtime : **10 Months**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**29**	**35**	**47**	**53**	**56**	**45**		
Unit Cost	**195.28**	**212.77**	**175.61**	**187.45**	**168.63**	**194.36**		
Total Cost	**5,663**	**7,447**	**8,254**	**9,935**	**9,443**	**8,746**		
Asset Dynamics								
Beginning Asset Position	3	5	34	69	116	169	225	
Deliveries from all prior year funding (FY-96 & PRIOR)	2	29						
Deliveries from FY 1997 funding			35					
Deliveries from FY 1998 funding				47				
Deliveries from FY 1999 funding					53			
Deliveries from subsequent years' funding						56	45	
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End oy Year Asset Position	5	34	69	116	169	225	270	
Inventory Objective or Current Authorized Allowance	270	270	270	270	270	270	270	

Inventory Objective 270	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **HLU-196D/E BOMB HOIST**	Admin Leadtime (after Oct1): **2**	Prod Leadtime : **12 Months**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				**2**		**107**	**135**	**134**
Unit Cost				**81.00**		**10.21**	**10.20**	**10.22**
Total Cost				**162**		**1,093**	**1,377**	**1,369**
Asset Dynamics								
Beginning Asset Position						2	2	92
Deliveries from all prior year funding (FY-96 & PRIOR)								
Deliveries from FY 1997 funding								
Deliveries from FY 1998 funding								
Deliveries from FY 1999 funding					2	0		
Deliveries from subsequent years' funding							90	128
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End oy Year Asset Position					2	2	92	220
Inventory Objective or Current Authorized Allowance					700	700	700	700

Inventory Objective 700	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **MHU-202/MUNITIONS TRAILER**	Admin Leadtime (after Oct1): **2**	Prod Leadtime : **12 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				**91**	**71**	**71**	**64**	
Unit Cost				**9.47**	**9.39**	**9.39**	**9.41**	
Total Cost				**862**	**667**	**667**	**602**	
Asset Dynamics								
Beginning Asset Position		316	391	407	407	484	558	629
Deliveries from all prior year funding	316	75	16					
Deliveries from FY 1997 funding								
Deliveries from FY 1998 funding								
Deliveries from FY 1999 funding					77	14		
Deliveries from subsequent years' funding						60	71	65
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End oy Year Asset Position	316	391	407	407	484	558	629	694
Inventory Objective or Current Authorized Allowance	704	704	704	704	704	704	704	704

Inventory Objective 704	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21				DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**		Weapon System		P-1 ITEM NOMENCLATURE **A/C Rearming Equipment**

Item	Manufacturer's Name and Location	Production Rate MSR	1-8-5	MAX	Procurement Leadtimes ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
LALS II	WDH, Irvine, CA									
HLU-196D/E Bomb Hoist	TBD									
MHU-202/M Munition Trailer	Verbal, Ft. Wilton Bch, FL									

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997												CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
LALS II	95		2	0	2	2																								
LALS II	96		29	0	29		2	2	2	2	3	3	3	3	3	3	3													
LALS II	97		35	0	35			A													4	4	4	4	4	4	4	4	3	
LALS II	98		47	0	47															A										47
MHU-202/M	95		91	0	91			7	7	7	7	7	8	8	8	8	8	8	8											

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999												CALENDAR YEAR 2000									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
LALS II	98		47	0	47	3	4	4	4	4	4	4	4	4	4	4	4													
LALS II	99		53	0	53			A										4	4	4	4	4	4	4	5	5	5	5	5	
HLU-196/D/E	99		2	0	2			A												2										
MHU-202/M	99		91	0	91			A												8	8	8	8	8	8	8	7	7	7	14

Remarks:

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21										DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**						Weapon System				P-1 ITEM NOMENCLATURE **A/C Rearming Equipment**
		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
MHU-202/M Munition Trailer	Verbal, Ft. Wilton Bch, FL									

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2001												FISCAL YEAR 2002												BAL
						2000			CALENDAR YEAR 2001												CALENDAR YEAR 2002									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
MHU-202/M	99		91	77	14	7	7																							0

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2003												FISCAL YEAR 2004												BAL
						2002			CALENDAR YEAR 2003												CALENDAR YEAR 2004									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE **AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ**
Program Element for Code B Items: **0603512N and 0604512N**	Other Related Program Elements **NOT APPLICABLE**

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	**$368.5**		**$34.4**	**$15.5**	**$28.3**	**$29.6**	**$40.5**	**$40.3**	**$40.3**	**$37.7**	**$43.3**	CONTINUING	CONTINUING

This program provides for procurement of major aircraft launch, recovery, and Visual Landing Aids (VLA) equipment as well as ancillary items required for installation aboard aircraft carriers, air capable combatant vessels, amphibious assault ships, and shore stations. Most procurements are initiated due to one of the following reasons:

(1) urgent fleet problems associated with the safe and reliable operation of existing equipment;
(2) expanding responsibilities in support of helicopter operations on Air Capable Ships (ACS) and Vertical / Short Take-Off and Landing (V/STOL) aircraft, and;
(3) the demand for increased launch and recovery equipment reliability, availability, and maintainability (RAM); capability; and margin of safety.

Shipboard installed items procured under this program are for operational fleet aircraft carriers, air capable combatant vessels, and amphibious assault ships. Major equipment and service changes procured in support of the Fleet Modernization Program (FMP) are generally installed by shipyard personnel during routine or restricted availabilities and regular overhauls. Non-FMP installations include minor equipments and service changes that are installed by Alteration Installation Teams (AIT) or Voyage Repair Teams (VRT) from the Naval Aviation Depots (NADEPs) under the direction of Fleet Type Commanders and the Naval Air Warfare Center, Aircraft Division (NAWCAD), Lakehurst, NJ. Type Commanders determine shorebased installed item requirements.

The FY 1996 program consisted of the following service change procurements: catapult-CV(N), arresting gear-CV(N), VLA-CV(N), catapult and fire-fighting support equipment-CV(N), Integrated Launch and Recovery Television System (ILARTS)-CV(N), and VLA-ACS. Also, funding for Production Engineering (PE); Integrated Logistics Support (ILS); Acceptance Test and Evaluation (ATE); and FMP / NFMP installations for FY 1996 and prior years is included.

The FY 1997 program consists of the following service change procurements: catapult-CV(N) (one piece Flush Deck Nose Gear Launch and Low Loss Launch Valve), and Helicopter Landing Systems (HLS)-ACS; funding for AS/32P-25 Fire Trucks, PE, ILS, ATE, and FMP/NFMP installations for FY 1997 and prior years is included.

The FY 1998 program consists of the following service change procurements: catapult-CV(N) (improved C-13-2 MOD piston), arresting gear-CV(N), VLA-ACS, and catapult and fire-fighting support equipment-CV(N). Also, funding for Long Range Line-up System (LRLS), AS/32P-25 Fire Trucks, PE, ILS, ATE, and FMP/NFMP installations for FY 1998 and prior years is included.

The FY 1999 budget request consists of Aircraft Carrier (catapults, fire-fighting systems, arresting gear, and Visual Landing Aids) and Air Capable Ships (HLS) service change procurements. Also, included is funding for LRLS, Integrated Shipboard Information System / Aviation Data Management and Control System (ISIS / ADMACS), Improved Fresnel Lens Optical Landing System (IFLOLS), PE, ILS, ATE, and FMP/NFMP installations for FY 1999 and prior years.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS
P-40a

DATE: **September 1997**

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE
AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ

Procurement Items	ID Code	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
SERVICE CHANGE KITS		113.1	8.9	1.9	3.8	10.6	6.2	9.2	17.0	19.7	25.4	CONTINUING	CONTINUING
LAUNCHER S/C KITS	A												
QUANTITY													
COST (In Millions)			(4.5)	(1.0)	(2.3)	(6.8)	(3.6)	(7.3)	(12.5)	(15.5)	(14.9)	CONTINUING	CONTINUING
VLA S/C KITS	A												
QUANTITY													
COST (In Millions)			(3.1)	(0.6)		(1.4)	(0.5)		(1.5)	(2.0)	(4.2)	CONTINUING	CONTINUING
RECOVERY S/C KITS	A												
QUANTITY													
COST (In Millions)			(1.3)	(0.4)	(1.5)	(2.4)	(2.2)	(1.8)	(2.9)	(2.3)	(6.3)	CONTINUING	CONTINUING
Various 1/	A												$142.0
QUANTITY													
COST (In Millions)		$142.0											CONTINUING
Minor Equipment	A												
QUANTITY													
COST (In Millions)		$1.6	$0.2									CONTINUING	CONTINUING
LRLS - CV(N)	B												
QUANTITY						6	5						11
COST (In Millions)						$1.1	$0.8						$1.9
LRLS - Shore	B												
QUANTITY						5	5						10
COST (In Millions)						$0.8	$0.8						$1.5
ISIS-ADMACS CV(N)	B												
QUANTITY							3	3	4				10
COST (In Millions)							$4.5	$4.5	$6.0				$15.0
ISIS-ADMACS Shore	B												
QUANTITY								1					1
COST (In Millions)								$1.5					$1.5
ISIS-ADMACS LHA/D	B												
QUANTITY										3	3	6	12
COST (In Millions)										$3.0	$3.0	$6.0	$12.0
IFLOLS - CV(N)	B												
QUANTITY							5	5					10
COST (In Millions)							$4.5	$4.5					$9.0

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS
P-40a

DATE: **September 1997**

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE
AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ

Procurement Items	ID Code	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
IFLOLS - Shore	B												
QUANTITY							5	7	7				19
COST (In Millions)							$2.4	$3.5	$3.5				$9.4
AS/32P-25 Fire Truck	A												
QUANTITY					50	14							64
COST (In Millions)					$8.8	$2.6							$11.3
VISUAL													
QUANTITY	B									1	2	19	22
COST (In Millions)										$1.5	$3.0	$28.5	$33.0
ILS													
QUANTITY													
COST (In Millions)		$20.5	$1.2	$0.7	$0.6	$2.6	$2.1	$0.9	$1.4	$1.1	$1.0	CONTINUING	CONTINUING
PE													
QUANTITY													
COST (In Millions)		$58.1	$2.3	$1.9	$1.9	$2.3	$4.2	$3.7	$3.0	$2.4	$2.6	CONTINUING	CONTINUING
ATE													
QUANTITY													
COST (In Millions)		$1.8	$0.0	$0.0	$0.1	$0.3	$0.2	$0.2	$0.3	$0.2	$0.3	CONTINUING	CONTINUING
Installation - NFMP													
QUANTITY													
COST (In Millions)		$31.4	$14.6	$8.2	$9.0	$7.9	$6.8	$6.8	$4.6	$5.7	$5.8	CONTINUING	CONTINUING
Installation - FMP													
QUANTITY													
COST (In Millions)			$7.3	$2.7	$4.1	$1.4	$8.0	$5.5	$4.5	$4.1	$2.4	CONTINUING	CONTINUING
1/ The amount identified against this cost element reflects total prior year funding													
associated with cost elements no longer financed in FY 1995 and beyond.													
TOTAL		$368.5	$34.4	$15.5	$28.3	$29.6	$40.5	$40.3	$40.3	$36.2	$40.3	CONTINUING	CONTINUING

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System	DATE: **September 1997**
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS Prior Years Total Cost	FY 1995 Quantity	FY 1995 Unit Cost	FY 1995 Total Cost	FY 1996 Quantity	FY 1996 Unit Cost	FY 1996 Total Cost	FY 1997 Quantity	FY 1997 Unit Cost	FY 1997 Total Cost	FY 1998 Quantity	FY 1998 Unit Cost	FY 1998 Total Cost	FY 1999 Quantity	FY 1999 Unit Cost	FY 1999 Total Cost
SJ040	Service Change Kits	A	113,046			8,919			1,938			3,849			10,583			6,196
	LAUNCHER																	
	Catapults - CV(N)					(1,988)			(923)			(1,913)			(6,759)			(3,571)
	Catapult Support Equipment - CV(N)					(2,496)			(38)			(400)						
	VISUAL LANDING AIDS																	
	Visual Landing Aids - ACS					(205)			(312)						(1,175)			(456)
	Visual Landing Aids - CV(N)					(1,097)			(30)						(255)			
	ILARTS - CV(N)					(814)			(267)									
	Marking and Lighting					(696)												
	WMIS					(292)												
	RECOVERY																	
	Arresting Gear - CV(N)					(671)			(368)			(1,136)			(1,634)			(336)
	Helicopter Landing System (HLS) - ACS					(660)						(400)			(760)			(1,833)
TBD	Various 1/		141,958															
SJ050	Minor Equipment (less than $200K)	A	1,633			195												
SJ210	LRLS - CV(N)	B											6	178	1,069	5	166	830
SJ220	LRLS - Shorebased	B											5	153	765	5	153	765
SJ230	ISIS / ADMACS - CV(N)	B														3	1,500	4,500
SJ231	ISIS / ADMACS - Shorebased	B																
SJ232	ISIS / ADMACS - LHA / LHD	B																
SJ240	IFLOLS - CV(N)	B														5	900	4,500
SJ250	IFLOLS - Shorebased	B														5	480	2,400
SJ260	AS/32P-25 Fire Truck	A								50	175.0	8,750	14	185	2,590			
TBD	VISUAL	B																
SJ800	Integrated Logistics Suppport		20,477			1,162			737			563			2,630			2,064
SJ830	Production Engineering		58,107			2,290			1,913			1,907			2,324			4,227
SJ860	Acceptance, Test & Evaluation		1,844			20			4			94			315			170
SJ900	Installation - NFMP		31,385			14,551			8,200			8,988			7,947			6,798
SJ910	Installation - FMP					7,280			2,667			4,106			1,407			8,007
	1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 1995 and beyond.																	
			368,450			**34,417**			**15,459**			**28,257**			**29,630**			**40,457**

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System		DATE: September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ**	

COST CODE	ELEMENT OF COST	FY 2000			FY 2001			FY 2002			FY 2003			To Complete		Total	
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost
SJ040	Service Change Kits			9,154			16,977			19,719			25,386		CONTINUING		CONTINUING
	LAUNCHER																
	Catapults - CV(N)			(7,316)			(9,201)			(9,567)			(13,190)		CONTINUING		CONTINUING
	Catapult Support Equipment - CV(N)						(3,338)			(5,900)			(1,700)		CONTINUING		CONTINUING
	VISUAL LANDING AIDS																
	Visual Landing Aids - ACS									(400)			(2,000)		CONTINUING		CONTINUING
	Visual Landing Aids - CV(N)						(1,500)			(1,600)			(2,196)		CONTINUING		CONTINUING
	ILARTS - CV(N)														CONTINUING		CONTINUING
	Marking and Lighting														CONTINUING		CONTINUING
	WMIS														CONTINUING		CONTINUING
	RECOVERY																
	Arresting Gear - CV(N)						(1,500)			(2,252)			(3,500)		CONTINUING		CONTINUING
	Helicopter Landing System (HLS) - ACS			(1,838)			(1,438)						(2,800)		CONTINUING		CONTINUING
TBD	Various 1/																141,958
SJ050	Minor Equipment (less than $200K)														CONTINUING		CONTINUING
SJ210	LRLS - CV(N)															11	1,899
SJ220	LRLS - Shorebased															10	1,530
SJ230	ISIS / ADMACS - CV(N)	3	1,500	4,500	4	1,500	6,000									10	15,000
SJ231	ISIS / ADMACS - Shorebased	1	1,500	1,500												1	1,500
SJ232	ISIS / ADMACS - LHA / LHD							3	1,000	3,000	3	1,000	3,000	6	6,000	12	12,000
SJ240	IFLOLS - CV(N)	5	900	4,500												10	9,000
SJ250	IFLOLS - Shorebased	7	500	3,500	7	500	3,500									19	9,400
SJ260	AS/32P-25 Fire Truck															64	11,340
TBD	VISUAL							1	1,500	1,500	2	1,500	3,000	19	28,500	22	33,000
SJ800	Integrated Logistics Suppport			898			1,380			1,073			952		CONTINUING		CONTINUING
SJ830	Production Engineering			3,657			2,969			2,400			2,617		CONTINUING		CONTINUING
SJ860	Acceptance, Test & Evaluation			214			310			225			255		CONTINUING		CONTINUING
SJ900	Installation - NFMP			6,794			4,644			5,727			5,758		CONTINUING		CONTINUING
SJ910	Installation - FMP			5,547			4,475			4,079			2,363		CONTINUING		CONTINUING
	1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 1995 and beyond.																
				40,264			**40,255**			**37,723**			**43,331**		**CONTINUING**		**CONTINUING**

DD FORM 2446, JUN 86

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE September 1997
B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT	C. P-1 ITEM NOMENCLATURE AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)	SUBHEAD 43SJ

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST '(000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
SJ260 AS/32P-25 FY 1997	50	175	NAWCAD LKE	Not Applicable	Option to EMD* Contract (CPI)	The Entwistle Company Hudson, MA	4/97	5/98	Yes	N/A
SJ260 AS/32P-25 FY 1998	14	185	NAWCAD LKE	Not Applicable	Option to EMD* Contract (CPI)	The Entwistle Company Hudson, MA	12/97	3/99	Yes	N/A
SJ210 LRLS - CV(N) FY 1998	6	178	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	11/97	10/98	Yes	N/A
SJ210 LRLS - CV(N) FY 1999	5	166	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	11/98	10/99	Yes	N/A
SJ220 LRLS - Shorebased FY 1998	5	153	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	11/97	10/98	Yes	N/A
SJ220 LRLS - Shorebased FY 1999	5	153	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	11/98	10/99	Yes	N/A
SJ230 ISIS/ADMACS FY 1999	3	1,500	NAWCAD LKE	Not Applicable	Project Order	NAWCAD LKE*** Lakehurst, NJ	11/98	10/99	Yes	N/A
SJ240 IFLOLS - CV(N) FY 1999	5	900	NAWCAD LKE	Not Applicable	Project Order	NAWCAD IND Hughes Technical Services Indianapolis, IN	11/98	10/99	Yes	N/A
SJ250 IFLOLS - Shorebased FY 1999	5	480	NAWCAD LKE	Not Applicable	Project Order	NAWCAD IND Hughes Technical Services Indianapolis, IN	11/98	10/99	Yes	N/A

D. REMARKS

* Option to existing Engineering & Manufacturing Development (EMD) contract
** Options to current EMD contract
*** NAWCAD LKE will act as the systems integrator.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: VARIOUS TYPE MODIFICATION: VARIOUS MODIFICATION TITLE: LAUNCHER S/C SUMMARY

DESCRIPTION/JUSTIFICATION:

Summary page of all Launcher Service Changes

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.117		0.172		0.000		0.009		0.053		0.162		0.488		0.267		0.368		0.162		2.478		
INSTALLATION KITS	87	10.198	26	4.484	2227	0.961	266	2.313	127	6.759	22	3.571	15	7.316	47	12.539	42	15.467	92	14.890	18	44.600	CONTINUING	
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.238		1.025		0.896		0.427		0.234		0.163		0.198		0.310		0.224		0.283		0.042	CONTINUING	
OTHER - ILS		0.149		0.263		0.417		0.100		0.164		0.032		0.083		0.135		0.125		0.075			CONTINUING	
OTHER - ATE				0.020		0.004		0.094		0.300						0.115		0.050		0.060			CONTINUING	
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST	*	18.475	*	12.975	9	5.686	2363	8.895	261	7.432	62	5.485	35	0.627	17	0.350	39	0.432	46	0.608	NTINU		####	60.965
TOTAL PROCUREMENT	87	29.060	26	18.767	2227	7.964	266	11.829	127	14.889	22	9.251	15	8.224	47	13.449	42	16.298	92	15.916	18	44.642	2969	190.289

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: VARIOUS

MODIFICATION TITLE: LAUNCHER S/C SUMMARY

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VARIOUS
ADMINISTRATIVE LEADTIME: VARIOUS Months
PRODUCTION LEADTIME: VARIOUS Months
CONTRACT DATES: FY 1997: VARIOUS FY 1998: VARIOUS FY 1999: VARIOUS
DELIVERY DATE: FY 1997: VARIOUS FY 1998: VARIOUS FY 1999: VARIOUS

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT		0.030		0.015		0.111		0.392		0.248		0.197		0.060		0.079		0.063		0.108		0.324	CONTINUING	
PRIOR YEARS	*	18.445	*	12.960	9	5.575	32	4.874	28	4.986	18	4.579											87	51.419
FY 1995 EQUIPMENT							26	3.521															26	3.521
FY 1996 EQUIPMENT							2205	0.108	11	0.740	10	0.060	1										2227	0.908
FY 1997 EQUIPMENT							100		122	1.458	18	0.419	16	0.331	2		6	0.119	1		1		266	2.327
FY 1998 EQUIPMENT									100		16	0.230	5								6		127	0.230
FY 1999 EQUIPMENT													13	0.236	7						2		22	0.236
FY 2000 EQUIPMENT															8	0.271	7				CONTINUING		CONTINUING	
FY 2001 EQUIPMENT																	26	0.250	11		CONTINUING		CONTINUING	
FY 2002 EQUIPMENT																			29		CONTINUING		CONTINUING	
FY 2003 EQUIPMENT																			5	0.500	CONTINUING		CONTINUING	
TO COMPLETE																					CONTINUING		CONTINUING	
INSTALL COST	*	18.475	*	12.975	9	5.686	2363	8.895	261	7.432	62	5.485	35	0.627	17	0.350	39	0.432	46	0.608	CONTINUING		CONTINUING	

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	468 *	465	466	491	522	90	89	65	15	15	14	14	11	5	7	6	4	6	7	4	3	8	15	10	8	9	12	13	11	117	2969
Out	9	407	465	480	473	475	40	42	42	62	66	67	66	8	8	11	8	3	4	5	5	3	9	16	11	9	10	14	13	137	2969

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: C7, C13-0, C13-1 AND C13-2 CATAPULTS TYPE MODIFICATION: SAFETY / PERFORMANCE MODIFICATION TITLE: LAUNCH - CRITICAL UNION NUT

DESCRIPTION/JUSTIFICATION:

Catapult Service Change 624 replaces the existing union nuts with an improved design that decreases the likelihood of catastrophic failure.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)								0.005																0.005
INSTALLATION KITS							52	0.250															52	0.250
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						0.095		0.031		0.015														0.141
OTHER - ILS						0.045		0.015																0.060
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP									16	0.346	18	0.429	14	0.336			4	0.119					52	1.230
TOTAL PROCUREMENT						0.140	52	0.296		0.361		0.429		0.336				0.119					52	1.681

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: C7, C13-0, C13-1 AND C13-2 CATAPULTS MODIFICATION TITLE: LAUNCH - CRITICAL UNION NUT

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: DEPOT
ADMINISTRATIVE LEADTIME: 7 Months PRODUCTION LEADTIME: 8 Months
CONTRACT DATES: FY 1997: 4/30/97 FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: 12/15/97 FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT										0.010		0.010		0.005										0.025
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT									16	0.336	18	0.419	14	0.331			4	0.119					52	1.205
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP									16	0.346	18	0.429	14	0.336			4	0.119					52	1.230

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In						4	7	7	7	7	7	7	6																		52
Out						2	5	5	4	5	4	5	4	4	4	4	2						4								52

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: C13-0, C13-1 AND C13-2 CATAPULTS TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: LAUNCH - IMPROVED CLOCK TIMER

DESCRIPTION/JUSTIFICATION:

Launcher Service Change No. 503 replaces the existing obsolete mechanical timer to improve system supportability, reliability, and compatibility.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.018																						0.018
INSTALLATION KITS	53	0.965																					53	0.965
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.048		0.015		0.015		0.015																0.093
OTHER - ILS		0.039		0.020		0.020																		0.079
OTHER - ATE				0.020																				0.020
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP		0.030		0.015		0.015	13	0.058	25	0.070	15	0.043											53	0.231
TOTAL PROCUREMENT	53	1.082		0.070		0.050		0.073		0.070		0.043											53	1.388

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: C13-0, C13-1 AND C13-2 CATAPULTS

MODIFICATION TITLE: LAUNCH - IMPROVED CLOCK TIMER

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: DEPOT
ADMINISTRATIVE LEADTIME: 10 Months
PRODUCTION LEADTIME: 20 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT		0.030		0.015		0.015		0.015		0.008		0.005												0.088
PRIOR YEARS							13	0.043	25	0.062	15	0.038											53	0.143
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP		0.030		0.015		0.015	13	0.058	25	0.070	15	0.043											53	0.231

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	4	5	6	6	6	6	6	6	6	2																					53
Out			2	5	6	6	6	6	7	4	4	4	3																		53

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: C13-2 CATAPULTS TYPE MODIFICATION: IMPROVED CAPABILTY MODIFICATION TITLE: LAUNCH - CSV VERIF / COMMAND

DESCRIPTION/JUSTIFICATION:

Launcher Service Change 625 for the Capacity Selector Valve (CSV) elevates the Central Charging Panel (CCP) operator responsibility in the launch sequence for Integrated Catapult Control System (ICCS) ships.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)						0.001																		0.001
INSTALLATION KITS					33	0.019																	33	0.019
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE																								
OTHER - ILS																								
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							15	0.112	10	0.743	8	0.062											33	0.917
TOTAL PROCUREMENT					33	0.019		0.112		0.743		0.062											33	0.936

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: C13-2 CATAPULTS

MODIFICATION TITLE: LAUNCH - CSV VERIF / COMMAND

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: DEPOT
ADMINISTRATIVE LEADTIME: 2 Months
PRODUCTION LEADTIME: 3 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT								0.004		0.003		0.002												0.009
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT							15	0.108	10	0.740	8	0.060											33	0.908
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							15	0.112	10	0.743	8	0.062											33	0.917

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	4	10	10	9																											33
Out		1	3	5	6	2	3	2	3	2	2	2	2																		33

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: C7, C13-0, C13-1 AND C13-2 CATAPULTS TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: LAUNCH - CRES WATER BRAKE

DESCRIPTION/JUSTIFICATION:

This Launcher Service Change replaces the existing steel water brake cylinders with a Corrosion Resistant Steel / Material which will extend catapult cylinder life and reduce maintenance man-hours.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)																0.122		0.122		0.128				0.125
INSTALLATION KITS															15	1.830	31	3.782	58	7.430			104	13.042
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE										0.048		0.035		0.057		0.023		0.023		0.023				0.209
OTHER - ILS														0.050		0.035								0.085
OTHER - ATE																0.065								0.065
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP																0.020	8	0.020	32	0.020	64	0.040	104	0.100
TOTAL PROCUREMENT										0.048		0.035		0.107	15	1.973	31	3.825	58	7.473		0.040	104	13.501

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: C7, C13-0, C13-1 AND C13-2 CATAPULTS MODIFICATION TITLE: LAUNCH - CRES WATER BRAKE

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPYARD - SHIP ALTERATION
ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 10 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT																0.020		0.020		0.020		0.040		0.100
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																	8		7				15	
FY 2002 EQUIPMENT																			25		6		31	
FY 2003 EQUIPMENT																					58		58	
TO COMPLETE																								
INSTALL COST - Non-FMP																0.020	8	0.020	32	0.020	64	0.040	104	0.100

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In																			5	5	5	5	5	5	5	69					104
Out																				4	4	8	8	8	8	64					104

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: CVN 68/72 CLASS CATAPULTS TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: LAUNCH - TROUGH COVERS

DESCRIPTION/JUSTIFICATION:

This Launcher Service Change replaces the two piece steel trough covers used on CVNs 68 and 72 with a Corrosion Resistant Steel / Material one piece Inconel clad trough cover. This is a Type Commander funded installation.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		2.700								2.700				2.700		2.700		2.700				2.750		2.732
INSTALLATION KITS	2	5.400							1	2.700			2	5.400	1	2.700	3	8.100			16	44.000	25	68.300
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE										0.002				0.002		0.002		0.002				0.032		0.040
OTHER - ILS																								
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP								0.015	2	4.003	1	0.015		0.022	1	0.034	2	0.034	1	0.034	18	0.280	25	4.437
TOTAL PROCUREMENT	2	5.400						0.015	1	6.705		0.015	2	5.424	1	2.736	3	8.136		0.034	16	44.312	25	72.777

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: CVN 68/72 CLASS CATAPULTS

MODIFICATION TITLE: LAUNCH - TROUGH COVERS

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPYARD
ADMINISTRATIVE LEADTIME: 3 Months
PRODUCTION LEADTIME: 16 Months
CONTRACT DATES: FY 1997: N/A FY 1998: Dec-97 FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: Apr-99 FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT								0.015		0.045		0.015		0.022		0.034		0.034		0.034		0.280		0.479
PRIOR YEARS									2	3.958													2	3.958
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT											1	*											1	*
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT															1	*	1						2	*
FY 2001 EQUIPMENT																	1	*					1	*
FY 2002 EQUIPMENT																			1		2		3	
FY 2003 EQUIPMENT																								
TO COMPLETE																					16	*	16	
INSTALL COST - Non-FMP								0.015	2	4.003	1	0.015		0.022	1	0.034	2	0.034	1	0.034	18	0.280	25	4.437

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	2											1							1	1			1				1	1	1	16	25
Out			1	1									1							1	1			1				1	1	18	26

* Type Commander Funded installation.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: C13-2 CATAPULT TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: LAUNCH- IMPROVED PISTON

DESCRIPTION/JUSTIFICATION:

This Launcher Service Change replaces existing C13-2 catapult pistons with an improved design and titanium material which extends service life and decreases maintenance man-hours. This is a Type Commander funded installation.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)										0.429		0.430		0.433		0.430		0.467		0.490				0.439
INSTALLATION KITS									6	2.571	6	2.580	3	1.300	5	2.150	3	1.400	2	0.980			25	10.981
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE								0.065		0.065		0.044		0.064		0.069		0.010		0.010		0.010		0.337
OTHER - ILS								0.045		0.045		0.012		0.018										0.120
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP											6	*	6	*	3	*	5	*	3	*	2	*	25	*
TOTAL PROCUREMENT								0.110	6	2.681	6	2.636	3	1.382	5	2.219	3	1.410	2	0.990		0.010	25	11.438

* This is an Organizational Maintenance item with no associated FMP or NFMP installation costs.

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: C13-2 CATAPULT

MODIFICATION TITLE: LAUNCH- IMPROVED PISTON

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: "O" LEVEL MAINTENANCE
ADMINISTRATIVE LEADTIME: 3 Months
PRODUCTION LEADTIME: 18 Months
CONTRACT DATES: FY 1997: N/A FY 1998: Dec-97 FY 1999: Dec-98
DELIVERY DATE: FY 1997: N/A FY 1998: Jun-98 FY 1999: Jun-99

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT											6	*											6	*
FY 1999 EQUIPMENT													6	*									6	*
FY 2000 EQUIPMENT															3	*							3	*
FY 2001 EQUIPMENT																	5	*					5	*
FY 2002 EQUIPMENT																			3	*			3	*
FY 2003 EQUIPMENT																					2	*	2	*
TO COMPLETE																								
INSTALL COST - Non-FMP											6	*	6	*	3	*	5	*	3	*	2	*	25	*

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In										1	2	2	1	1	2	2	1	1	2			1	2	2		1	2	2			25
Out											2	2	2		2	2	2			2	1		1	2	2		1	2			2	25

* This is an Organizational Maintenance item with no associated FMP or NFMP installation costs.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: C7, C13-0, C13-1 AND C13-2 CATAPULTS TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: LAUNCH - LLLV O/H KITS

DESCRIPTION/JUSTIFICATION:

Launcher Service Change 629 upgrades the existing Low Loss Launch Valves (LLLV) to a new configuration to improve reliability and maintainability; extend service life, and reduce maintenance man-hours.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)						0.101		0.114		0.114		0.118				0.120								0.115
INSTALLATION KITS					2	0.202	8	0.910	6	0.684	2	0.235			10	1.200							28	3.231
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE				0.045		0.059		0.015		0.010		0.010		0.010		0.015		0.010						0.174
OTHER - ILS						0.010																		0.010
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP											2	*	2	*	2	*	2	*	1	*	19	*	28	*
TOTAL PROCUREMENT				0.045	2	0.271	8	0.925	6	0.694	2	0.245		0.010	10	1.215		0.010					28	3.415

* Installation accomplished during Depot Maintenance with no associated NFMP or FMP costs.

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: C7, C13-0, C13-1 AND C13-2 CATAPULTS MODIFICATION TITLE: LAUNCH - LLLV O/H KITS

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: DEPOT
ADMINISTRATIVE LEADTIME: 3 Months PRODUCTION LEADTIME: 6 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: 12/15/99
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: 6/30/00

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT											2	*											2	*
FY 1997 EQUIPMENT													2	*	2	*	2	*	1	*	1	*	8	*
FY 1998 EQUIPMENT																					6	*	6	*
FY 1999 EQUIPMENT																					2	*	2	
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																					10	*	10	*
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								*
INSTALL COST - Non-FMP											2	*	2	*	2	*	2	*	1	*	19	*	28	*

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In				1	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	28
Out												2				2				2				2				1		19	28

* Installation accomplished during Depot Maintenance with no associated NFMP or FMP costs.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: CV(N) CATAPULTS TYPE MODIFICATION: RELIABILITY / MAINTAINIBILITY MODIFICATION TITLE: LAUNCH - HARDENED SHUTTLE

DESCRIPTION/JUSTIFICATION:

Launcher Service Change replaces the existing shuttle with a laser hardened shuttle to improve durability, reliability, and maintainability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)																0.437		0.437						0.437
INSTALLATION KITS															7	3.059	5	2.185					12	5.244
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE																0.024		0.079		0.020				0.123
OTHER - ILS																								
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP																0.001	3	0.001	4	0.004	5	0.004	12	0.010
TOTAL PROCUREMENT															7	3.084	5	2.265		0.024		0.004	12	5.377

* Type Commander funded installation.

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: CV(N) CATAPULTS

MODIFICATION TITLE: LAUNCH - HARDENED SHUTTLE

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VOYAGE REPAIR TEAM - VRT
ADMINISTRATIVE LEADTIME: Months
PRODUCTION LEADTIME: Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT																0.001		0.001		0.004		0.004		0.010
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																	3	*	4	*			7	*
FY 2002 EQUIPMENT																					5	*	5	*
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP																0.001	3	0.001	4	0.004	5	0.004	12	0.010

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In																							1	2	2	2	2	2	1		12
Out																								1	2	1	1	1	1	5	12

* Type Commander funded installation.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: CV(N) CATAPULTS TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: LAUNCH - TROUGH COVER BOLT

DESCRIPTION/JUSTIFICATION:

Launcher Service Change redesigns the trough cover support bar bolt to improve reliability and maintainability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)																				0.250				0.250
INSTALLATION KITS																			12	3.000			12	3.000
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE																				0.030				0.030
OTHER - ILS																								
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP																					12	*	12	*
TOTAL PROCUREMENT																			12	3.030			12	3.030

* Type Commander funded installation.

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: CV(N) CATAPULTS

MODIFICATION TITLE: LAUNCH - TROUGH COVER BOLT

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VOYAGE REPAIR TEAM - VRT
ADMINISTRATIVE LEADTIME: Months
PRODUCTION LEADTIME: Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																					12	*	12	*
TO COMPLETE																								
INSTALL COST - Non-FMP																					12	*	12	*

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In																														12	12
Out																														12	12

* Type Commander funded installation.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: C7, C13-0, C13-1 AND C13-2 CATAPULTS TYPE MODIFICATION: REPLACEMENT MODIFICATION TITLE: LAUNCH - LLLV REPLACEMENT

DESCRIPTION/JUSTIFICATION:

Launcher Service Change 629 procured new Low Loss Launch Valves (LLLV) to satisfy fleet requirements.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)						0.288																0.300		0.294
INSTALLATION KITS					2	0.576															2	0.600	4	1.176
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						0.127		0.036		0.036		0.025		0.015		0.015								0.254
OTHER - ILS						0.080																		0.080
OTHER - ATE								0.090		0.300														0.390
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP									1	*			1	*							2	*	4	*
TOTAL PROCUREMENT					2	0.783		0.126		0.336		0.025		0.015		0.015					2	0.600	4	1.900

* Depot Maintenance item.

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: C7, C13-0, C13-1 AND C13-2 CATAPULTS MODIFICATION TITLE: LAUNCH - LLLV REPLACEMENT

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: DEPOT
ADMINISTRATIVE LEADTIME: 11 Months PRODUCTION LEADTIME: 17 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT									1	*			1	*									2	*
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																					2	*	2	
INSTALL COST - Non-FMP									1	*			1	*							2	*	4	*

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997 1	FY 1997 2	FY 1997 3	FY 1997 4	FY 1998 1	FY 1998 2	FY 1998 3	FY 1998 4	FY 1999 1	FY 1999 2	FY 1999 3	FY 1999 4	FY 2000 1	FY 2000 2	FY 2000 3	FY 2000 4	FY 2001 1	FY 2001 2	FY 2001 3	FY 2001 4	FY 2002 1	FY 2002 2	FY 2002 3	FY 2002 4	FY 2003 1	FY 2003 2	FY 2003 3	FY 2003 4	TC	TOTAL
In								1		1																				2	4
Out								1						1																2	4

* Depot Maintenance item.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: CVN CATAPULTS TYPE MODIFICATION: MAINTENANCE / SAFETY MODIFICATION TITLE: LAUNCH - ONE PIECE FDNGL COVER

DESCRIPTION/JUSTIFICATION:

Launcher Service Change 424 for the CVN 72 class replaces the current three piece Flush Deck Nose Gear Launch (FDNGL) trough cover with a maintenance improved launch cover that protects the launch valve area from catapult effluents and other contaminants.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APLLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.200						0.200		0.200		0.200		0.200										0.200
INSTALLATION KITS	8	1.600					2	0.400	2	0.400	2	0.400	1	0.200									15	3.000
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.060						0.016		0.016		0.016		0.016										0.124
OTHER - ILS																								
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP						0.006	8	0.919	2	0.245	2	0.240	2	0.252	1	0.137							15	1.799
TOTAL PROCUREMENT	8	1.660				0.006	2	1.335	2	0.661	2	0.656	1	0.468		0.137							15	4.923

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: CVN CATAPULTS

MODIFICATION TITLE: LAUNCH - ONE PIECE FDNGL COVER

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPYARD
ADMINISTRATIVE LEADTIME: 7 Months
PRODUCTION LEADTIME: 12 Months
CONTRACT DATES: FY 1997: Apr-97 FY 1998: Dec-98 FY 1999: Dec-99
DELIVERY DATE: FY 1997: Apr-98 FY 1998: Dec-99 FY 1999: Dec-00

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT						0.006		0.018		0.021		0.010		0.016		0.016								0.087
PRIOR YEARS							8	0.901															8	0.901
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT									2	0.224													2	0.224
FY 1998 EQUIPMENT											2	0.230											2	0.230
FY 1999 EQUIPMENT													2	0.236									2	0.236
FY 2000 EQUIPMENT															1	0.121							1	0.121
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP						0.006	8	0.919	2	0.245	2	0.240	2	0.252	1	0.137							15	1.799

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	8					1	1			1	1			1	1			1													15
Out			1	3	4			1	1			1	1			1	1		1												15

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: C13-0 AND C13-1 CATAPULTS TYPE MODIFICATION: MAINTAINABILITY MODIFICATION TITLE: LAUNCH - INCONEL BOLTS

DESCRIPTION/JUSTIFICATION:

Launcher Service Change 624 incorporates Corrosion Resistant Steel / material technology by replacing the existing steel retainer bar bolts with Inconel bolts.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)										0.028		0.030		0.031										0.030
INSTALLATION KITS									**12	0.339	**12	0.356	**8	0.249									**32	0.944
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE										0.027		0.013		0.013										0.053
OTHER - ILS										0.035														0.035
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP										0.002	** 7	0.002	**10	0.002	**9	*	**6	*					**32	0.006
TOTAL PROCUREMENT									**12	0.403	**12	0.371	**8	0.264									**32	1.038

* Organizational level maintenance replacement item.

** Catapult sets of 1,000 bolts per catapult.

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: C13-0 AND C13-1 CATAPULTS

MODIFICATION TITLE: LAUNCH - INCONEL BOLTS

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPS FORCE
ADMINISTRATIVE LEADTIME: 4 Months
PRODUCTION LEADTIME: 7 Months
CONTRACT DATES: FY 1997: N/A FY 1998: 1/15/98 FY 1999: 1/15/99
DELIVERY DATE: FY 1997: N/A FY 1998: 8/15/98 FY 1999: 8/15/99

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT										0.002		0.002		0.002										0.006
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT											** 7	*	** 5	*									** 12	*
FY 1999 EQUIPMENT													** 5	*	** 7	*							** 12	*
FY 2000 EQUIPMENT															** 2	*	** 6	*					** 8	*
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP										0.002	** 7	0.002	** 10	0.002	** 9	*	** 6	*					** 32	0.006

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In **									1	2	3	3	3	2	3	3	2	2	2	2	2	2									** 32
Out **											2	2	3	3	2	2	3	3	2	2	2	2	2	2							** 32

* Organizational level maintenance replacement item.
** Catapult sets of 1,000 bolts per catapult.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: C7, C13-0, C13-1 AND C13-2 CATAPULTS TYPE MODIFICATION: RETROFIT CAPABILITY MODIFICATION TITLE: LAUNCH - T-2 AND TA-4 BRIDLES

DESCRIPTION/JUSTIFICATION:

Launcher Service Change 275 provides T-2 Buckeye and TA-4 Skyhawk aircraft launch capability on CV(N)s without installed bridle arrestors.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)						0.000																		0.000
INSTALLATION KITS					2190	0.164																	2190	0.164
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						0.046		0.044																0.090
OTHER - ILS						0.020																		0.020
OTHER - ATE						0.004		0.004																0.008
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP						0.016	2190	0.016*															2190	0.032
TOTAL PROCUREMENT					2190	0.250		0.064															2190	0.314

* This is an Organizational Operations / Maintenance item with minimal NFMP installation support costs.

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: C7, C13-0, C13-1 AND C13-2 CATAPULTS

MODIFICATION TITLE: LAUNCH - T-2 AND TA-4 BRIDLES

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: "O" LEVEL MAINTENANCE / OPERATIONS
ADMINISTRATIVE LEADTIME: NOT APPLICABLE
PRODUCTION LEADTIME: NOT APPLICABLE
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT						0.016		0.016																0.032
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT							2190	*															2190	
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP						0.016	2190	0.016															2190	0.032

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	400	450	450	450	440																										2190
Out		400	450	450	450	440																									2190

* This is an Organizational Operations / Maintenance item with minimal NFMP installation support costs.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: C7, C13-0, C13-1 AND C13-2 CATAPULTS TYPE MODIFICATION: SAFETY MODIFICATION TITLE: LAUNCH - F-14 HOLDBACK BARS

DESCRIPTION/JUSTIFICATION:

Launcher Catapult Deck Gear and Accessories Service Change 276 shortens the F-14 Tomcat reusable holdback launch bars to correct / eliminate mis-positioning of the launch bar during catapult to aircraft hook-up. This service change will be accomplished in conjunction with the normal F-14 holdback launch bar overhaul cycle.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NAT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)								0.001		0.001														0.001
INSTALLATION KITS							200	0.120	100	0.065													300	0.185
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						0.065		0.009		0.010														0.084
OTHER - ILS						0.006																		0.006
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP						0.013	100	0.070	200	0.008													300	0.091
TOTAL PROCUREMENT						0.084	200	0.199	100	0.083													300	0.366

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: C7, C13-0, C13-1 AND C13-2 CATAPULTS MODIFICATION TITLE: LAUNCH - F-14 HOLDBACK BARS

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: DEPOT
ADMINISTRATIVE LEADTIME: N/A Months PRODUCTION LEADTIME: N/A Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT						0.013		0.070		0.008														0.091
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT							100	*	100	*													200	*
FY 1998 EQUIPMENT									100	*													100	*
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP						0.013	100	0.070	200	0.008													300	0.091

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In				25	75	75	75	50																							300
Out						25	25	25	25	50	50	50	50																		300

* Service Change installation incorporated during normally scheduled depot maintenance.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: CV(N) CATAPULTS TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: LAUNCH - CAT WATER BRAKE

DESCRIPTION/JUSTIFICATION:

Launcher Service Change 612 for the Catapult Water Brake System standardizes all pumps to the CVN 68 class configuration.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.045																						0.045
INSTALLATION KITS	16	0.720																					16	0.720
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.040		0.020																				0.060
OTHER - ILS		0.020		0.015																				0.035
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP					8	0.400	8	0.430															16	0.830
TOTAL PROCUREMENT	16	0.780		0.035		0.400		0.430															16	1.645

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: CV(N) CATAPULTS

MODIFICATION TITLE: LAUNCH - CAT WATER BRAKE

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPYARD - SHIP ALTERATION (SA)
ADMINISTRATIVE LEADTIME: Months
PRODUCTION LEADTIME: Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT						0.026		0.088																0.114
PRIOR YEARS					8	0.374	8	0.342															16	0.716
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - FMP					8	0.400	8	0.430															16	0.830

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997 1	2	3	4	FY 1998 1	2	3	4	FY 1999 1	2	3	4	FY 2000 1	2	3	4	FY 2001 1	2	3	4	FY 2002 1	2	3	4	FY 2003 1	2	3	4	TC	TOTAL
In	16																														16
Out	8			8																											16

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: MK7 JET BLAST DEFLECTOR TYPE MODIFICATION: SUPPORTABILITY / CONFIGURATION MODIFICATION TITLE: LAUNCH - JET BLAST DEFLECTOR

DESCRIPTION/JUSTIFICATION:

Launcher Service Change (SHIPALT 7172) to the MK7 Jet Blast Deflector (JBD) is an improved design that is supportable, reliable, and maintainable; is standard across the ship class; and is F/A-18 Hornet compatible.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.189																						0.189
INSTALLATION KITS	8	1.513																					8	1.513
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.090		0.045		0.045																		0.180
OTHER - ILS		0.090		0.045		0.045																		0.180
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP					1	0.780	3	3.687	1	1.072	3	4.647											8	10.186
TOTAL PROCUREMENT	8	1.693		0.090		0.870		3.687		1.072		4.647											8	12.059

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: MK7 JET BLAST DEFLECTOR

MODIFICATION TITLE: LAUNCH - JET BLAST DEFLECTOR

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPYARD - SHIP ALTERATION (SA)
ADMINISTRATIVE LEADTIME: Months
PRODUCTION LEADTIME: Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT						0.035		0.088		0.106		0.106												0.335
PRIOR YEARS					1	0.745	3	3.599	1	0.966	3	4.541											8	9.851
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - FMP					1	0.780	3	3.687	1	1.072	3	4.647											8	10.186

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	8																														8
Out	1		1	2				1		1	2																				8

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: LAUNCHER EQUIPMENT TYPE MODIFICATION: IMPROVED CAPABILITIES MODIFICATION TITLE: LAUNCHER - MISC S/Cs

DESCRIPTION/JUSTIFICATION:

This includes various Launcher Service Changes procured or installed with prior year funding, of limited dollar value, and future year procurements. Included in this exhibit are the Shuttle Spreader, Filter Booster Pump, Jet Blast Deflector (JBD) Port Control, Lube Meter Injectors, Modification to the Relay Status system, Seven Segment Display, RRE Hydraulic Motor Control, Splash Plate, and the Trough Heater Support Replacement.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)				0.172				0.171						0.167		0.178				0.174				0.174
INSTALLATION KITS			26	4.484			4	0.683					1	0.167	9	1.600			20	3.480			60	10.414
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE				0.900		0.444		0.196		0.005		0.020		0.021		0.162		0.100		0.200				2.048
OTHER - ILS				0.183		0.191		0.040		0.084		0.020		0.015		0.100		0.125		0.075				0.833
OTHER - ATE																0.050		0.050		0.060				0.160
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST-FMP/NFMP	*	18.445	*	12.960	*	4.447	26	3.623	4	0.943		0.047		0.015	1	0.158	9	0.258	5	0.550	15	1.500	60	42.946
TOTAL PROCUREMENT		18.445	26	18.527		5.082	4	4.542		1.032		0.087	1	0.218	9	2.070		0.533	20	4.365		1.500	60	56.401

* Various

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: LAUNCHER EQUIPMENT

MODIFICATION TITLE: LAUNCHER - MISC S/Cs

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VRT AND DEPOT
ADMINISTRATIVE LEADTIME: N/A Months
PRODUCTION LEADTIME: N/A Months
CONTRACT DATES: FY 1997: VARIOUS FY 1998: VARIOUS FY 1999: N/A
DELIVERY DATE: FY 1997: VARIOUS FY 1998: VARIOUS FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT								0.078		0.045		0.047		0.015		0.008		0.008		0.050				0.251
PRIOR YEARS	*	18.445	*	12.960	*	4.447																		35.852
FY 1995 EQUIPMENT							26	3.545															26	3.545
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT									4	0.898													4	0.898
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT															1	0.150							1	0.150
FY 2001 EQUIPMENT																	9	0.250					9	0.250
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																			5	0.500	15	1.500	20	2.000
TO COMPLETE																								
INSTALL COST-FMP/NFMP	*	18.445	*	12.960	*	4.447	26	3.623	4	0.943		0.047		0.015	1	0.158	9	0.258	5	0.550	15	1.500	60	42.946

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	26 *					4												1	1			4	5				1	2	3	14	61
Out		6	7	6	7		1	1	2										1		1	1	2	4	2			1	4	15	61

* Various

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: VARIOUS TYPE MODIFICATION: VARIOUS MODIFICATION TITLE: VLA S/C SUMMARY

DESCRIPTION/JUSTIFICATION:

Summary page of all Visual Landing Aids (VLA) Service Changes.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.037		0.022		0.025				0.072		0.038				0.031		0.030		0.030				
INSTALLATION KITS	31	1.153	138	3.104	24	0.609			20	1.430	12	0.456			49	1.500	66	2.000	139	4.196			CONTINUING	
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.297		0.940		0.232		0.222		0.185		0.144		0.020		0.150		0.148		0.300	CONTINUING		CONTINUING	
OTHER - ILS		0.148		0.195		0.083		0.070		0.127		0.035		0.015		0.100		0.100		0.232	CONTINUING		CONTINUING	
OTHER - ATE																0.050		0.065		0.100	CONTINUING		CONTINUING	
INTERIM CONTRACTOR SUPPORT																					CONTINUING		CONTINUING	
INSTALL COST	**2	2.372	**3	1.627	5	1.324	117	1.477	56	0.605	26	1.524	14	1.462	3	0.206	40	1.265	80	2.050	CONTINUING		CONTINUING	
TOTAL PROCUREMENT	31	3.970	138	5.866	24	2.248		1.769	20	2.347	12	2.159		1.497	49	2.006	66	3.578	139	6.878	CONTINUING		CONTINUING	

** Various

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: VARIOUS MODIFICATION TITLE: VLA S/C SUMMARY

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VARIOUS
ADMINISTRATIVE LEADTIME: VARIOUS Months PRODUCTION LEADTIME: VARIOUS Months
CONTRACT DATES: FY 1997: VARIOUS FY 1998: VARIOUS FY 1999: VARIOUS
DELIVERY DATE: FY 1997: VARIOUS FY 1998: VARIOUS FY 1999: VARIOUS

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT						0.030		0.547		0.146		0.140		0.070		0.106		0.065		0.050			CONTINUING	
PRIOR YEARS	** 2	2.372	** 3	1.627	4	1.294	13	0.167	6	0.147	1	0.057	2	0.105									31	5.769
FY 1995 EQUIPMENT					1	*	104	0.763	18	0.038	13	0.040					2	*					138	0.841
FY 1996 EQUIPMENT									24	0.199													24	0.199
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT									8	0.075	6	1.107	6	1.107									20	2.289
FY 1999 EQUIPMENT											6	0.180	6	0.180									12	0.360
FY 2000 EQUIPMENT																					CONTINUING		CONTINUING	
FY 2001 EQUIPMENT															3	0.100	23	0.792	23	0.800	CONTINUING		CONTINUING	
FY 2002 EQUIPMENT																	15	0.408	30	0.816	CONTINUING		CONTINUING	
FY 2003 EQUIPMENT																			27	0.384	CONTINUING		CONTINUING	
TO COMPLETE																					CONTINUING		CONTINUING	
INSTALL COST	**2	2.372	**3	1.627	5	1.324	117	1.477	56	0.605	26	1.524	14	1.462	3	0.206	40	1.265	80	2.050	CONTINUING		CONTINUING	

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	**137 *	21	9	9	9	8		8	3	3	3	3	6		3	3				9	15	17	15	15	15	17	22	23	23	83	479
Out	**10	20	32	35	30	9	17	11	19	2	10	6	6	2	4	4	6			1	2	8	12	10	10	15	20	25	20	133	479

* Type Commander funded installation.
** Various

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: LHA / LHD PRIMARY FLIGHT CONTROL TYPE MODIFICATION: IMPROVED CAPABILITY MODIFICATION TITLE: VLA - LHA / LHD PRIFLY (ACS)

DESCRIPTION/JUSTIFICATION:

This Service Change installs Night Vision Device (NVD) compatible filters and lenses aboard LHA / LHD class ships to ensure Primary Flight Control is compatible with NVD operations.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)												0.038												0.038
INSTALLATION KITS											12	0.456											12	0.456
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE								0.050		0.106		0.079												0.235
OTHER - ILS								0.010		0.045		0.015												0.070
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP											6	0.200	6	0.220		0.035							12	0.455
TOTAL PROCUREMENT								0.060		0.151	12	0.750		0.220		0.035							12	1.216

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: LHA / LHD PRIMARY FLIGHT CONTROL

MODIFICATION TITLE: VLA - LHA / LHD PRIFLY (ACS)

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: DEPOT
ADMINISTRATIVE LEADTIME: 1 Months
PRODUCTION LEADTIME: 6 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: Oct-98
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: Apr-99

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT												0.020		0.040		0.035								0.095
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT											6	0.180	6	0.180									12	0.360
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP											6	0.200	6	0.220		0.035							12	0.455

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In											3		3		3	3															12
Out											1	2	3		1	2	3														12

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: CENTERLINE GUIDE LIGHTING TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: VLA - L CLASS C-L LIGHTING

DESCRIPTION/JUSTIFICATION:

Replaces the existing Center Line TRAM line lights and system with fiber optics to improve reliability and maintainability of launch and recovery center line lighting aboard LHD / LHD class ships.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)										0.098														0.098
INSTALLATION KITS									12	1.175													12	1.175
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE								0.010		0.074		0.045												0.129
OTHER - ILS								0.010		0.019														0.029
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP											6	1.138	6	1.137		0.021							12	2.296
TOTAL PROCUREMENT								0.020	12	1.268		1.183		1.137		0.021							12	3.629

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: CENTERLINE GUIDE LIGHTING

MODIFICATION TITLE: VLA - L CLASS C-L LIGHTING

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: DEPOT
ADMINISTRATIVE LEADTIME: 3 Months
PRODUCTION LEADTIME: 6 Months
CONTRACT DATES: FY 1997: N/A FY 1998: Dec-97 FY 1999: Oct-98
DELIVERY DATE: FY 1997: N/A FY 1998: Jul-98 FY 1999: Apr-99

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT												0.031		0.030		0.021								0.082
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT											6	1.107	6	1.107									12	2.214
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP											6	1.138	6	1.137		0.021							12	2.296

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In									3	3		3	3																		12
Out											1	1	2	2	2	2	2														12

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: FLOLS MK-6 TYPE MODIFICATION: IMPROVED CAPABILITY MODIFICATION TITLE: VLA - FLOLS SHOCK HARDENING

DESCRIPTION/JUSTIFICATION:

Visual Landing Aides (VLA) Service Change 116 provides shock hardening to the Fresnel Optical Landing System (IFLOLS) to increase system reliability and capability

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.054																						0.054
INSTALLATION KITS	16	0.864																					16	0.864
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.050																						0.050
OTHER - ILS		0.060																						0.060
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP	2	0.114	3	0.167	4	0.224	2	0.125	2	0.142	1	0.067	2	0.105									16	0.944
TOTAL PROCUREMENT	16	1.088		0.167		0.224		0.125		0.142		0.067		0.105									16	1.918

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: FLOLS MK-6

MODIFICATION TITLE: VLA - FLOLS SHOCK HARDENING

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPYARD
ADMINISTRATIVE LEADTIME: 1 Months
PRODUCTION LEADTIME: 12 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT						0.030		0.020		0.020		0.010												0.080
PRIOR YEARS	2	0.114	3	0.167	4	0.194	2	0.105	2	0.122	1	0.057	2	0.105									16	0.864
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP	2	0.114	3	0.167	4	0.224	2	0.125	2	0.142	1	0.067	2	0.105									16	0.944

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	16																														16
Out	9		1		1	1			1			1			1		1														16

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: ALL ILARTS TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: VLA - ILARTS CAMERA REPLACE

DESCRIPTION/JUSTIFICATION:

Visual Landing Aides (VLA) Integrated Launch and Recovery Television System (ILARTS) Service Change 5 replaces the DAGE cameras with current video and micro-processor technology to improve system reliability anc maintainability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)				0.024																				0.024
INSTALLATION KITS			20	0.478																			20	0.478
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.050		0.025		0.025																		0.100
OTHER - ILS		0.020		0.010		0.010																		0.040
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							20	0.015															20	0.015
TOTAL PROCUREMENT		0.070	20	0.513		0.035		0.015															20	0.633

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: ALL ILARTS

MODIFICATION TITLE: VLA - ILARTS CAMERA REPLACE

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VRT INSTALLATION
ADMINISTRATIVE LEADTIME: 1 Months
PRODUCTION LEADTIME: 11 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT								0.015																0.015
PRIOR YEARS																								
FY 1995 EQUIPMENT							20	*															20	
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							20	0.015															20	0.015

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	20																														20
Out		5	5	5	5																										20

* Type Commander funded installation.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: ALL ILARTS TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: VLA - ILARTS SWITCHER

DESCRIPTION/JUSTIFICATION:

Visual Landing Aides (VLA) Integrated Launch and Recovery Television System (ILARTS) Service Change 6 replaces the video switcher assemblies with technology to improve system reliability and maintainability; and increase system mean time between failure (MTBF)

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.019																						0.019
INSTALLATION KITS	15	0.289																					15	0.289
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.040		0.020		0.020		0.065																0.145
OTHER - ILS		0.020		0.015		0.015		0.035																0.085
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							11	0.087	4	0.025													15	0.112
TOTAL PROCUREMENT	15	0.349		0.035		0.035		0.187		0.025													15	0.631

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: ALL ILARTS

MODIFICATION TITLE: VLA - ILARTS SWITCHER

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VRT INSTALLATION
ADMINISTRATIVE LEADTIME: 1 Months
PRODUCTION LEADTIME: 12 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT								0.025																0.025
PRIOR YEARS							11	0.062	4	0.025													15	0.087
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							11	0.087	4	0.025													15	0.112

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	15																														15
Out			3	5	3		2	1	1																						15

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: ALL ILARTS TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: VLA - ILARTS DATA GENERATOR

DESCRIPTION/JUSTIFICATION:

Visual Landing Aides (VLA) Integrated Launch and Recovery Television System (ILARTS) Service Change 7 replace the video switcher assemblies with current video and micro-processor technology to improve system reliability and maintainability; and increase system mean time between failure (MTBF).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)				0.013																				0.013
INSTALLATION KITS			13	0.175																			13	0.175
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.030		0.020		0.020																		0.070
OTHER - ILS		0.020		0.010		0.010																		0.040
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							5	0.042	4	0.021	4	0.022											13	0.085
TOTAL PROCUREMENT		0.050	13	0.205		0.030		0.042		0.021		0.022											13	0.370

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: ALL ILARTS

MODIFICATION TITLE: VLA - ILARTS DATA GENERATOR

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VRT INSTALLATION
ADMINISTRATIVE LEADTIME: 1 Months
PRODUCTION LEADTIME: 12 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT								0.015																0.015
PRIOR YEARS																								
FY 1995 EQUIPMENT							5	0.027	4	0.021	4	0.022											13	0.070
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							5	0.042	4	0.021	4	0.022											13	0.085

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In		2	3	3	3	2																									13
Out				5			4				4																				13

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: LSO HUD MK-1 MOD 0 TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: VLA - LSO HUD SPEAKERS

DESCRIPTION/JUSTIFICATION:

Visual Landing Aides (VLA) Landing Signals Officer Heads Up Display (HUD) Service Change 1 improves the reliability and maintainability by upgrading the LSO HUD Workstation OJ-314/FSC speakers

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)				0.016																				0.016
INSTALLATION KITS			13	0.210																			13	0.210
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.020		0.020																				0.040
OTHER - ILS		0.010		0.010																				0.020
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							11	0.211	1	0.027	1	0.028											13	0.266
TOTAL PROCUREMENT		0.030	13	0.240				0.211		0.027		0.028											13	0.536

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: LSO HUD MK-1 MOD 0

MODIFICATION TITLE: VLA - LSO HUD SPEAKERS

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPYARD / VRT
ADMINISTRATIVE LEADTIME: 1 Months
PRODUCTION LEADTIME: 2 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: Jan-97 FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT								0.035		0.010		0.010												0.055
PRIOR YEARS																								
FY 1995 EQUIPMENT							11	0.176	1	0.017	1	0.018											13	0.211
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							11	0.211	1	0.027	1	0.028											13	0.266

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997 1	FY 1997 2	FY 1997 3	FY 1997 4	FY 1998 1	FY 1998 2	FY 1998 3	FY 1998 4	FY 1999 1	FY 1999 2	FY 1999 3	FY 1999 4	FY 2000 1	FY 2000 2	FY 2000 3	FY 2000 4	FY 2001 1	FY 2001 2	FY 2001 3	FY 2001 4	FY 2002 1	FY 2002 2	FY 2002 3	FY 2002 4	FY 2003 1	FY 2003 2	FY 2003 3	FY 2003 4	TC	TOTAL
In	13																														13
Out			3	4	4		1				1																				13

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: CV(N) FLOLS MK-6 TYPE MODIFICATION: IMPROVED CAPABILITIES MODIFICATION TITLE: VLA - FLOLS S/Cs 129

DESCRIPTION/JUSTIFICATION:

Visual Landing Aides (VLA) Fresnel Lens Optical Landing System (FLOLS) Service Change 129 connects the AN/SPN-46 radar gyro to the FLOLS system allowing the operator to select and display the selected gyro source

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)				0.023																				0.023
INSTALLATION KITS			17	0.391																			17	0.391
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.077		0.070		0.030																		0.177
OTHER - ILS		0.012		0.015		0.005																		0.032
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							4	0.040	9	0.020	3	0.020					1	0.005					17	0.085
TOTAL PROCUREMENT		0.089	17	0.476		0.035		0.040		0.020		0.020						0.005					17	0.685

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: CV(N) FLOLS MK-6

MODIFICATION TITLE: VLA - FLOLS S/Cs 129

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPYARD - SHIP ALTERATION
ADMINISTRATIVE LEADTIME: 9 Months
PRODUCTION LEADTIME: 12 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT								0.040		0.020		0.020						0.005						0.085
PRIOR YEARS																								
FY 1995 EQUIPMENT							4	*	9	*	3	*					1	*					17	*
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							4	0.040	9	0.020	3	0.020					1	0.005					17	0.085

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In		17																													17
Out			3	1		2	3	2	2	1	1	1											1								17

* Type Commander funded installation.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: CV(N) FLOLS MK-6 TYPE MODIFICATION: IMPROVED CAPABILITIES MODIFICATION TITLE: VLA - FLOLS S/C 130

DESCRIPTION/JUSTIFICATION:

Visual Landing Aids (VLA) Fresnel Lens Optical Landing System (FLOLS) Service Change 130 - Daylight Readable Indicator changes the display to reduce glare and increase readability in daylight conditions.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)				0.005																				0.005
INSTALLATION KITS			17	0.089																			17	0.089
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.030		0.040		0.025																		0.095
OTHER - ILS		0.006		0.009		0.005																		0.020
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP					1	*	6	0.047	4	0.040	5	0.049					1	0.010					17	0.146
TOTAL PROCUREMENT		0.036	17	0.138		0.030		0.047		0.040		0.049						0.010					17	0.350

* Type Commander funded installation.

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: CV(N) FLOLS MK-6

MODIFICATION TITLE: VLA - FLOLS S/C 130

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPYARD - SHIP ALTERATION
ADMINISTRATIVE LEADTIME: ˜ 9 Months
PRODUCTION LEADTIME: ˜12 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT								0.047		0.040		0.049						0.010						0.146
PRIOR YEARS																								
FY 1995 EQUIPMENT					1	*	6	*	4	*	5	*					1	*					17	*
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP					1	*	6	0.047	4	0.040	5	0.049					1	0.010					17	0.146

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	17																														17
Out	1	1	2	1	2	1	1	1	1	1	2	1	1										1								17

* Type Commander funded installation.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: VISUAL LANDING AIDS (VLA) TYPE MODIFICATION: IMPROVED CAPABILITIES MODIFICATION TITLE: VLA - MISC S/Cs

DESCRIPTION/JUSTIFICATION:

This exhibit includes various Visual Landing Aids (VLA) Service Changes procured or installed with prior year funding, of limited dollar value, and future year procurements. Included are the A207 Power Supply Drawer; Heads U Display (HUD) Electromagnetic Interference (EMI) Hardening; HUD Work Station Changes; Head Wind /Cross Wind Indicator; Landing Signals Officer (LSO) HUD Aircraft Launch System (ACLS) Status Indicator; LSO HUD ILACSS AN/SPN-46 radar interface, AN/SPN-46 Precision Approach Landing System (PALS) Indicator Interface, Wave Off Indicator; and T-45 aircraft Upgrade to the Fresnel Lens Optical Landing System (FLOLS)/HUD.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)				0.030		0.025				0.032						0.031		0.030		0.030				0.030
INSTALLATION KITS			58	1.761	24	0.609			8	0.255					49	1.500	66	2.000	139	4.196			344	10.321
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE				0.745		0.112		0.097		0.005		0.020		0.020		0.150		0.148		0.300				1.597
OTHER - ILS				0.126		0.038		0.015		0.063		0.020		0.015		0.100		0.100		0.232				0.709
OTHER - ATE																0.050		0.065		0.100				0.215
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST-FMP/NFMP	*	2.258	*	1.460	*	1.100	58	0.910	32	0.330					3	0.150	38	1.250	80	2.050	133	2.184	344	11.692
TOTAL PROCUREMENT		2.258	58	4.092	24	1.859		1.022	8	0.653		0.040		0.035	49	1.950	66	3.563	139	6.878		2.184	344	24.534

* Various.

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: VISUAL LANDING AIDS (VLA)

MODIFICATION TITLE: VLA - MISC S/Cs

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VRT, DEPOT, AND SHIPYARD
ADMINISTRATIVE LEADTIME: N/A Months
PRODUCTION LEADTIME: N/A Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT								0.350		0.056						0.050		0.050		0.050				0.556
PRIOR YEARS	*	2.258	*	1.460	*	1.100																		4.818
FY 1995 EQUIPMENT							58	0.560															58	0.560
FY 1996 EQUIPMENT									24	0.199													24	0.199
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT									8	0.075													8	0.075
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT															3	0.100	23	0.792	23	0.800			49	1.692
FY 2002 EQUIPMENT																	15	0.408	30	0.816	21	0.584	66	1.808
FY 2003 EQUIPMENT																			27	0.384	112	1.600	139	1.984
TO COMPLETE																								
INSTALL COST-FMP/NFMP	*	2.258	*	1.460	*	1.100	58	0.910	32	0.330					3	0.150	38	1.250	80	2.050	133	2.184	344	11.692

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	56 *	2	6	6	6	6		8												9	15	17	15	15	15	17	22	23	23	83	344
Out		14	15	14	15	5	6	7	14											1	2	8	10	10	10	15	20	25	20	133	344

* Various.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: VARIOUS TYPE MODIFICATION: VARIOUS MODIFICATION TITLE: RECOVERY S/C SUMMARY

DESCRIPTION/JUSTIFICATION:

Summary page of all Recovery Service Changes

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.018		0.063		0.009		0.005		0.014		0.017		0.015		0.038		0.113		0.105				
INSTALLATION KITS	8	0.144	21	1.331	42	0.368	290	1.536	167	2.394	131	2.169	121	1.838	78	2.938	20	2.252	60	6.300			CONTINUING	
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.095		0.275		0.745		0.952		0.677		0.343		0.220		0.258		0.167		0.330	CONTINUING		CONTINUING	
OTHER - ILS		0.011		0.104		0.137		0.179		0.556		0.224		0.050		0.100		0.100		0.150	CONTINUING		CONTINUING	
OTHER - ATE										0.015		0.030		0.015		0.050		0.060		0.075	CONTINUING		CONTINUING	
INTERIM CONTRACTOR SUPPORT																					CONTINUING		CONTINUING	
INSTALL COST	***	10.538	***	7.229	1	1.939	58	1.481	120	0.952	264	2.226	180	1.320	136	1.018	101	2.530	53	3.100	CONTINUING		CONTINUING	
TOTAL PROCUREMENT	8	10.788	21	8.939	42	3.189	290	4.148	167	4.594	131	4.992	121	3.443	78	4.364	20	5.109	60	9.955	CONTINUING		CONTINUING	

** Various

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: VARIOUS MODIFICATION TITLE: RECOVERY S/C SUMMARY

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VARIOUS
ADMINISTRATIVE LEADTIME: 3 Months PRODUCTION LEADTIME: 5 Months
CONTRACT DATES: FY 1997: VARIOUS FY 1998: VARIOUS FY 1999: VARIOUS
DELIVERY DATE: FY 1997: VARIOUS FY 1998: VARIOUS FY 1999: VARIOUS

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT								0.203		0.149		0.698		0.164		0.103		0.105		0.100			CONTINUING	
PRIOR YEARS	**	10.538	**	7.229			8	0.354															8	18.121
FY 1995 EQUIPMENT					1	1.939	12	0.724	8	0.272													21	2.935
FY 1996 EQUIPMENT							18	0.180	20	0.210	4	0.020											42	0.410
FY 1997 EQUIPMENT							20	0.020	88	0.211	162	0.336	20	0.025									290	0.592
FY 1998 EQUIPMENT									4	0.110	98	1.172	48	0.274	17	0.064							167	1.620
FY 1999 EQUIPMENT													112	0.857	19	0.026							131	0.883
FY 2000 EQUIPMENT															99	0.725	22	*			CONTINUING		CONTINUING	
FY 2001 EQUIPMENT															1	0.100	71	1.997	6	0.500	CONTINUING		CONTINUING	
FY 2002 EQUIPMENT																	8	0.428	12	0.675	CONTINUING		CONTINUING	
FY 2003 EQUIPMENT																			35	1.825	CONTINUING		CONTINUING	
TO COMPLETE	**																				CONTINUING		CONTINUING	
INSTALL COST	**	10.538	**	7.229	1	1.939	58	1.481	120	0.952	264	2.226	180	1.320	136	1.018	101	2.530	53	3.100	CONTINUING		CONTINUING	

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	31 *	12	13	36	46	57	59	55	34	38	42	56	45	39	40	40	35	29	30	30	30	20	21	17	15	15	16	17	18	2	938
Out	1	3	11	11	33	22	34	27	37	49	64	73	78	36	48	48	48	31	37	36	32	26	28	24	23	13	13	13	14	25	938

* Type Commander funded installation.
** Various

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: ALL RAST SYSTEMS TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: RECOVERY - RAST PMV (ACS)

DESCRIPTION/JUSTIFICATION:

This Service Change provides for the upgrade and replacement of various obsolescent components of the Recovery, Assist, Securing and Traversing (RAST) system installed aboard various Air Capable Ships (ACS) to assist in the handling of LAMPS MK III helicopters.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)												0.029		0.029		0.029								0.029
INSTALLATION KITS											37	1.073	37	1.073	37	1.073							111	3.219
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE								0.075		0.149		0.100		0.031		0.031		0.019						0.405
OTHER - ILS								0.015		0.020		0.050		0.020										0.105
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP													37	0.293	37	0.292	37	0.289					111	0.874
TOTAL PROCUREMENT								0.090		0.169	37	1.223	37	1.417	37	1.396		0.308					111	4.603

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: ALL RAST SYSTEMS

MODIFICATION TITLE: RECOVERY - RAST PMV (ACS)

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VOYAGE REPAIR TEAM
ADMINISTRATIVE LEADTIME: 3 Months
PRODUCTION LEADTIME: 9 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: 12/15/98
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: 9/15/99

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT														0.018		0.017		0.014						0.049
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT													37	0.275									37	0.275
FY 2000 EQUIPMENT															37	0.275							37	0.275
FY 2001 EQUIPMENT																	37	0.275					37	0.275
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP													37	0.293	37	0.292	37	0.289					111	0.874

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In													7	10	10	10	10	10	10	10	10	10	10	4							111
Out														7	10	10	10	7	10	10	10	7	10	10	10							111

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: ALL INSTALLED RAST SYSTEMS TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: REC - RAST MACHINE ROOM

DESCRIPTION/JUSTIFICATION:

This Service Change corrects various descrepancies identified by Fleet users and results in reduced shipboard maintenance man-hours for the Recovery, Assist, Securing and Traversing (RAST) system installed aboard various Air Capable Ships (ACS) to assist in the handling of LAMPS MK III helicopters

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)										0.013		0.013		0.014		0.014								0.013
INSTALLATION KITS									27	0.360	27	0.360	27	0.365	27	0.365							108	1.450
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						0.035		0.253		0.150		0.046		0.046		0.046		0.028						0.604
OTHER - ILS						0.024		0.020		0.085		0.040												0.169
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP											27	0.477	27	0.477	27	0.477	27	0.477					108	1.908
TOTAL PROCUREMENT						0.059		0.273	27	0.595	27	0.923	27	0.888	27	0.888		0.505					108	4.131

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: ALL INSTALLED RAST SYSTEMS MODIFICATION TITLE: REC - RAST MACHINE ROOM

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VRT INSTALLATION
ADMINISTRATIVE LEADTIME: 3 Months PRODUCTION LEADTIME: 12 Months
CONTRACT DATES: FY 1997: N/A FY 1998: 12/31/97 FY 1999: 12/31/99
DELIVERY DATE: FY 1997: N/A FY 1998: 12/31/98 FY 1999: 12/31/00

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT												0.027		0.027		0.027		0.027						0.108
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT											27	0.450											27	0.450
FY 1999 EQUIPMENT													27	0.450									27	0.450
FY 2000 EQUIPMENT															27	0.450							27	0.450
FY 2001 EQUIPMENT																	27	0.450					27	0.450
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP											27	0.477	27	0.477	27	0.477	27	0.477					108	1.908

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In										6	7	7	7	6	7	7	7	6	7	7	7	6	7	7	7						108
Out										5	6	8	8	5	6	8	8	5	6	8	8	5	6	8	8						108

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: MK7 ARRESTING GEAR TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: REC-RETRACTABLE SHEAVE MOD

DESCRIPTION/JUSTIFICATION:

Recovery Service Change to the Retractable Sheave Trunnion is a redesign to use a smooth-bore trunnion. The smooth-bore trunnion simplifies manufacturing, and reduces assembly and installation costs.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)						0.012		0.016		0.027		0.034												0.018
INSTALLATION KITS					30	0.350	40	0.648	10	0.268	10	0.336											90	1.602
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						0.050		0.040		0.040		0.020		0.010										0.160
OTHER - ILS						0.010		0.020		0.020		0.007		0.007										0.064
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							15	0.193	31	0.396	24	0.332	18	0.378	2	0.046							90	1.345
TOTAL PROCUREMENT					30	0.410	40	0.901	10	0.724	10	0.695		0.395		0.046							90	3.171

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: MK7 ARRESTING GEAR

MODIFICATION TITLE: REC-RETRACTABLE SHEAVE MOD

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: DEPOT
ADMINISTRATIVE LEADTIME: 1 Months
PRODUCTION LEADTIME: 8 Months
CONTRACT DATES: FY 1997: 10/30/96 FY 1998: 10/30/97 FY 1999: 10/30/98
DELIVERY DATE: FY 1997: 6/30/97 FY 1998: 6/30/98 FY 1999: 6/30/99

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT								0.025		0.020		0.020		0.080		0.020								0.165
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT							15	0.168	15	0.188													30	0.356
FY 1997 EQUIPMENT									16	0.188	24	0.312											40	0.500
FY 1998 EQUIPMENT													10	0.166									10	0.166
FY 1999 EQUIPMENT													8	0.132	2	0.026							10	0.158
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							15	0.193	31	0.396	24	0.332	18	0.378	2	0.046							90	1.345

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	10	10	10	10	10	10	10	10				10																			90
Out			5	5	5	5	6	10	10	3	7	7	7	1	7	5	5		2													90

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: MK7 MOD 3 ARRESTING GEAR TYPE MODIFICATION: PERFORMANCE / CAPABILITY MODIFICATION TITLE: REC - MK7 MOD-3 PLUS ADCAP

DESCRIPTION/JUSTIFICATION:

This Service Change improves the performance and load bearing capabilities of the MK7 Arresting Gear bearings, purchase cables, and cross deck pendants to support the higher stress loads imposed by F/A-18E/F aircraft. This advanced capability arresting gear will also extend component service life.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)										0.199														0.199
INSTALLATION KITS									4	0.796													4	0.796
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE										0.180		0.100		0.080										0.360
OTHER - ILS										0.050		0.030		0.020										0.100
OTHER - ATE										0.015		0.030		0.015										0.060
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP											4	1.124											4	1.124
TOTAL PROCUREMENT									4	1.041		1.284		0.115									4	2.440

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: MK7 MOD 3 ARRESTING GEAR

MODIFICATION TITLE: REC - MK7 MOD-3 PLUS ADCAP

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VOYAGE REPAIR TEAM (VRT)
ADMINISTRATIVE LEADTIME: 3 Months
PRODUCTION LEADTIME: 13 Months
CONTRACT DATES: FY 1997: N/A FY 1998: Dec-97 FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: Jan-99 FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT												0.562												0.562
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT											4	0.562											4	0.562
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP											4	1.124											4	1.124

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In							1	2	1																						4
Out													4																		4

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: CV(N) ARRESTING GEAR TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: REC - FLUID RECLAMATION SYS

DESCRIPTION/JUSTIFICATION:

Recovery Service Change 418 to the Fluid Reclamation System filters out contaminants so that fluid may be reintroduced into the arresting gear system.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)						0.002																		0.002
INSTALLATION KITS					12	0.018																	12	0.018
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						0.025		0.025		0.013		0.006												0.069
OTHER - ILS						0.005		0.005		0.005		0.003												0.018
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							3	0.012	5	0.022	4	0.020											12	0.054
TOTAL PROCUREMENT					12	0.048		0.042		0.040		0.029											12	0.159

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: (CV(N) ARRESTING GEAR

MODIFICATION TITLE: REC - FLUID RECLAMATION SYS

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: "O" LEVEL MAINTENANCE
ADMINISTRATIVE LEADTIME: 3 Months
PRODUCTION LEADTIME: 12 Months
CONTRACT DATES: FY 1997: Jan-96 FY 1998: N/A . FY 1999: N/A
DELIVERY DATE: FY 1997: Jan-97 FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT							3	0.012	5	0.022	4	0.020											12	0.054
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							3	0.012	5	0.022	4	0.020											12	0.054

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In			1	1	1	2	2	2	2	1																					12
Out				1	2	1	2	1	1	1	1	1	1																		12

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: CV(N) ARRESTING GEAR TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: REC - CROV WSS

DESCRIPTION/JUSTIFICATION:

Recovery Service Change 425 redesigns the weight setting selector on the Constant Run Out Valve (CROV) console to reduce complexity, increase reliability, improve ease of use and reduce overall supportability costs.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)								0.001																0.001
INSTALLATION KITS							80	0.040															80	0.040
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE								0.030		0.020		0.012												0.062
OTHER - ILS								0.005		0.010		0.004												0.019
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							20	0.020	20	0.023	20	0.024	20	0.025									80	0.092
TOTAL PROCUREMENT							80	0.095		0.053		0.040		0.025									80	0.213

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: CV(N) ARRESTING GEAR

MODIFICATION TITLE: REC - CROV WSS

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: DEPOT
ADMINISTRATIVE LEADTIME: 3 Months
PRODUCTION LEADTIME: 5 Months
CONTRACT DATES: FY 1997: Dec-96 FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: May-97 FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT							20	0.020	20	0.023	20	0.024	20	0.025									80	0.092
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							20	0.020	20	0.023	20	0.024	20	0.025									80	0.092

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In				10	20	20	20	10																							80
Out					20		10		10	5	5	5	5	5	5	5	5														80

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: CV(N) ARRESTING GEAR TYPE MODIFICATION: RELIABILITY MODIFICATION TITLE: REC - ELECTRIC FLUID PUMP

DESCRIPTION/JUSTIFICATION:

Recovery Service Change 421 replaces the arresting gear Wobble pump with an improved design that increases system efficiency by decreasing system downtime. This is a TYOM designated Aircraft Launch and Recovery Equipment (ALRE) Top Ten item.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)										0.002														0.002
INSTALLATION KITS									60	0.120													60	0.120
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE								0.035		0.018		0.021		0.015		0.008								0.097
OTHER - ILS								0.010		0.008		0.005		0.003										0.026
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP									*	0.020	17	0.085	26	0.133	17	0.089							60	0.327
TOTAL PROCUREMENT								0.045	60	0.166		0.111		0.151		0.097							60	0.570

* Installation funding based upon start of availability vice hardware availability.

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: CV(N) ARRESTING GEAR

MODIFICATION TITLE: REC - ELECTRIC FLUID PUMP

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: "O" LEVEL MAINTENANCE
ADMINISTRATIVE LEADTIME: 3 Months
PRODUCTION LEADTIME: 12 Months
CONTRACT DATES: FY 1997: N/A FY 1998: Dec-97 FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: Dec-98 FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT										0.010		0.025		0.025		0.025								0.085
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT									*	0.010	17	0.060	26	0.108	17	0.064							60	0.242
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP										0.020	17	0.085	26	0.133	17	0.089							60	0.327

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In											5	10	10	10	10	10	5														60
Out												8	9	5	7	7	7	6	6	5											60

* Installation funding based upon start of availability vice hardware availability.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: ALL RAST SYSTEMS TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: REC - RAST RSD BLK II IMPROV

DESCRIPTION/JUSTIFICATION:

This Recovery Service Change to the Recovery, Assist, Securing and Traversing (RAST) system corrects Rapid Securing Device (RSD) discrepancies identified by Fleet users which will reduce maintenance man-hour requirements.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APLLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)								0.007		0.007		0.007		0.007										0.007
INSTALLATION KITS							58	0.400	58	0.400	57	0.400	57	0.400									230	1.600
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						0.266		0.125		0.038		0.038		0.038		0.023								0.528
OTHER - ILS						0.035		0.065		0.025														0.125
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP									52	0.014	52	0.014	52	0.014	52	0.014	22	0.014					230	0.070
TOTAL PROCUREMENT						0.301	58	0.590	58	0.477	57	0.452	57	0.452		0.037		0.014					230	2.323

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: ALL RAST SYSTEMS

MODIFICATION TITLE: REC - RAST RSD BLK II IMPROV

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: RSD OVERHAUL - SIMA
ADMINISTRATIVE LEADTIME: 2 Months
PRODUCTION LEADTIME: 7 Months
CONTRACT DATES: FY 1997: 11/30/97 FY 1998: 11/30/98 FY 1999: 11/30/99
DELIVERY DATE: FY 1997: 6/30/98 FY 1998: 6/30/99 FY 1999: 6/30/00

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT										0.014		0.014		0.014		0.014		0.014						0.070
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT									52	*	6	*											58	*
FY 1998 EQUIPMENT											46	*	12	*									58	*
FY 1999 EQUIPMENT													40	*	17	*							57	*
FY 2000 EQUIPMENT															35	*	22	*					57	*
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP									52	0.014	52	0.014	52	0.014	52	0.014	22	0.014					230	0.070

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In				13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12	10										230
Out						13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	9								230

* Type Commander funded installation.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: CV(N) ARRESTING GEAR TYPE MODIFICATION: SAFETY / RELIABILITY MODIFICATION TITLE: REC - NON-SWIVEL COUPLING

DESCRIPTION/JUSTIFICATION:

Recovery Service Change 420 replaces the swivel coupling with a non-swivel coupling from the current arresting gear. This design significantly reduces material and maintenance costs for this high maintenance design. This is TYCOM designated Aircraft Launch and Recovery Equipment (ALRE) Top Ten item. A SWIVEL COUPLING FAILURE RESULTS IN LOSS OF AIRCRAFT.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)								0.004																0.004
INSTALLATION KITS							112	0.448															112	0.448
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE								0.043		0.030														0.073
OTHER - ILS								0.005		0.010														0.015
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP											112	*											112	
TOTAL PROCUREMENT							112	0.496		0.040													112	0.536

* This is an Organizational Maintenance item with no associated FMP or NFMP installation costs.

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: CV(N) ARRESTING GEAR

MODIFICATION TITLE: REC - NON-SWIVEL COUPLING

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: "O" LEVEL MAINTENANCE
ADMINISTRATIVE LEADTIME: 3 Months
PRODUCTION LEADTIME: 12 Months
CONTRACT DATES: FY 1997: Dec-97 FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: Dec-98 FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT											112	*											112	
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP											112	*											112	

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In						12	12	16	16	16	16	16	8																		112
Out										22	30	30	30																		112

* This is an Organizational Maintenance item with no associated FMP or NFMP installation costs.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: MK7-2 AND MK7-3 ARRESTING GEAR TYPE MODIFICATION: SAFETY / RELIABILITY MODIFICATION TITLE: REC - AIRCRAFT WSIS

DESCRIPTION/JUSTIFICATION:

Launcher Service Change 417 for the Aircraft Weight Setting Indicating System (WSIS) replaces the DIXON meter / synchro indicator with a more readable indicator that allows easier verification by the arresting gear operator that all four arresting gear engines have the same load settings. Missetting arresting gear engines could cause loss of aircraft; one EA-6B Prowler loss was attributed to missetting the arresting gear engines. The new indicators also are more readable, reliable, and supportable.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.018																						0.018
INSTALLATION KITS	8	0.144																					8	0.144
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.095						0.095		0.020														0.210
OTHER - ILS		0.011						0.011		0.011														0.033
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							8	0.424		0.030													8	0.454
TOTAL PROCUREMENT	8	0.250						0.530		0.061													8	0.841

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: MK7-2 AND MK7-3 ARRESTING GEAR

MODIFICATION TITLE: REC - AIRCRAFT WSIS

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VOYAGE REPAIR TEAM (VRT)
ADMINISTRATIVE LEADTIME: N/A Months
PRODUCTION LEADTIME: N/A Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT								0.070		0.030														0.100
PRIOR YEARS							8	0.354															8	0.354
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							8	0.424		0.030													8	0.454

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	8																														8
Out			3	2	3																										8

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: RECOVERY EQUIPMENT TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: REC - MISC S/Cs

DESCRIPTION/JUSTIFICATION:

This exhibit includes various Recovery Service Changes procured or installed with prior year funding, of limited dollar value, and future year procurements. Included are the Auto Lubrication Distributor, Emergency Low Pressure Air Supply, In-Place Calibration, Barricade Safety Stanchion, and Rereeve Hand Pump Improvement

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)				0.063						0.056						0.107		0.113		0.105				0.096
INSTALLATION KITS			21	1.331					8	0.450					14	1.500	20	2.252	60	6.300			123	11.833
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE				0.275		0.369		0.231		0.019						0.150		0.120		0.330				1.494
OTHER - ILS				0.104		0.063		0.023		0.312		0.085				0.100		0.100		0.150				0.937
OTHER - ATE																0.050		0.060		0.075				0.185
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST-FMP/NFMP	*	10.538	*	7.229	1	1.939	12	0.832	12	0.447	4	0.150			1	0.100	15	1.750	53	3.100	25	1.340	123	27.425
TOTAL PROCUREMENT		10.538	21	8.939		2.371		1.086	8	1.228		0.235			14	1.900	20	4.282	60	9.955		1.340	123	41.874

* Various

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: RECOVERY EQUIPMENT

MODIFICATION TITLE: REC - MISC S/Cs

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VRT AND DEPOT
ADMINISTRATIVE LEADTIME: N/A Months
PRODUCTION LEADTIME: N/A Months
CONTRACT DATES: FY 1997: N/A FY 1998: VARIOUS FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: VARIOUS FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT								0.108		0.075		0.050						0.050		0.100				0.383
PRIOR YEARS	*	10.538	*	7.229																				17.767
FY 1995 EQUIPMENT					1	1.939	12	0.724	8	0.272													21	2.935
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT									4	0.100	4	0.100											8	0.200
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT															1	0.100	7	1.272	6	0.500			14	1.872
FY 2002 EQUIPMENT																	8	0.428	12	0.675			20	1.103
FY 2003 EQUIPMENT																			35	1.825	25	1.340	60	3.165
TO COMPLETE																								
INSTALL COST-FMP/NFMP	*	10.538	*	7.229	1	1.939	12	0.832	12	0.447	4	0.150			1	0.100	15	1.750	53	3.100	25	1.340	123	27.425

INSTALLATION SCHEDULE:

	FY 1996	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		TOTAL
In	* 13	2	2	2	2		1	2	2	2	1									1	3	4	4	6	8	15	16	17	18	2	123
Out	* 1	3	3	3	3	3	3	3	3		2	1	1								1	1	3	6	5	13	13	13	14	25	123

* Various

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: LRLS MK-15 MOD 0 - CV(N) TYPE MODIFICATION: IMPROVED CAPABILITIES MODIFICATION TITLE: LRLS CV(N)

DESCRIPTION/JUSTIFICATION:

The Long Range Line-Up System (LRLS) will improve night aircraft carrier landing performance by providing the pilot with more precise line-up information at a greater range.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: EDM MS III - JANUARY 1998

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E						3.049		3.440		0.910														7.399
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)										0.178		0.166												0.173
INSTALLATION KITS									6	1.069	5	0.830											11	1.899
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE										0.261		0.465												0.726
OTHER - ILS										0.448		0.151												0.599
OTHER - ATE												0.035												0.035
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP										0.335	6	1.740	5	1.160									11	3.235
TOTAL PROCUREMENT									6	2.113	5	3.221		1.160									11	6.494

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: LRLS MK-15 MOD 0 - CV(N)

MODIFICATION TITLE: LRLS CV(N)

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: ALTERNATE INSTALLATION TEAM (AIT)
ADMINISTRATIVE LEADTIME: 2 Months
PRODUCTION LEADTIME: 11 Months
CONTRACT DATES: FY 1997: N/A FY 1998: 11/97 FY 1999: 11/98
DELIVERY DATE: FY 1997: N/A FY 1998: 10/98 FY 1999: 10/99

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT									*	0.335	6	1.450											6	1.785
FY 1999 EQUIPMENT											*	0.290	5	1.160									5	1.450
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - FMP									*	0.335	6	1.740	5	1.160									11	3.235

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In								1		2	2	2		3	1																11
Out										2	2	1	1	3	1	1															11

* Installation funding based upon FY of start of availability vice hardware delivary.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: LRLS MK 16 MOD 0 - SHORE TYPE MODIFICATION: IMPROVED CAPABILITIES MODIFICATION TITLE: LRLS - Shorebased

DESCRIPTION/JUSTIFICATION:

The Long Range Line-Up System (LRLS) will improve night aircraft carrier landing performance training at shore stations by providing the pilot with more precise line-up information at a greater range.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: EDM MS III - JANUARY 1998

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)										0.153		0.153												0.153
INSTALLATION KITS									5	0.765	5	0.765											10	1.530
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE										0.260		0.466		0.832										1.558
OTHER - ILS										0.178		0.150		0.063										0.391
OTHER - ATE												0.035		0.075										0.110
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP									*	0.030	5	0.780	5	0.765									10	1.575
TOTAL PROCUREMENT									5	1.233	5	2.196		1.735									10	5.164

* Installation funding based upon FY of start of availability vice hardware delivery and includes design services.

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: LRLS MK 16 MOD 0 - SHORE

MODIFICATION TITLE: LRLS - Shorebased

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: ALTERNATE INSTALLATION TEAM (AIT)
ADMINISTRATIVE LEADTIME: 2 Months
PRODUCTION LEADTIME: 11 Months
CONTRACT DATES: FY 1997: N/A FY 1998: 11/97 FY 1999: 11/98
DELIVERY DATE: FY 1997: N/A FY 1998: 10/98 FY 1999: 10/99

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT									*	0.030	5	0.750											5	0.780
FY 1999 EQUIPMENT												0.030	5	0.765									5	0.795
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP									*	0.030	5	0.780	5	0.765									10	1.575

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In										2	2	1		2	2	1															10
Out											1	2	2		1	2	2														10

* Installation funding based upon FY of start of availability vice hardware delivery and includes design services.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: NEW SYSTEM - CV(N) TYPE MODIFICATION: IMPROVED CABABILITIES MODIFICATION TITLE: ISIS / ADMACS - CV(N)

DESCRIPTION/JUSTIFICATION:

The Integrated Shipboard Information System / Aviation Data Management and Control System (ISIS / ADMACS) is a real-time configuration managed, tactical local area network (LAN) providing connectivity among all Air Operations and Aircraft Launch and Recovery Equipment (ALRE) work spaces aboard CV(N)s.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E						6.108		2.475		5.750		2.630												16.963
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)												1.500		1.500		1.500								1.500
INSTALLATION KITS											3	4.500	3	4.500	4	6.000							10	15.000
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE												1.430		1.416		1.400		0.001						4.247
OTHER - ILS										0.352		0.482		0.221		0.160		0.007						1.222
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP													2	1.500	4	2.982	4	2.255					10	6.737
TOTAL PROCUREMENT										0.352	3	6.412	3	7.637	4	10.542		2.263					10	27.206

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: NEW SYSTEM - CV(N)

MODIFICATION TITLE: ISIS / ADMACS - CV(N)

* INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPYARD
ADMINISTRATIVE LEADTIME: 1 Months
PRODUCTION LEADTIME: 11 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: 11/98
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: 10/99

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT													2	1.250	1	0.600							3	1.850
FY 2000 EQUIPMENT													*	0.250	3	1.750							3	2.000
FY 2001 EQUIPMENT															*	0.632	4	2.255					4	2.887
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - FMP													2	1.500	4	2.982	4	2.255					10	6.737

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In														1	1	1		1	1	1		1	1	1	1						10
Out																1	1		1	1	2	1	1	1	1						10

* Installation funding based upon FY of start of availability vice hardware delivery and includes design services.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: MK 13 MOD 0 (CV(N)) TYPE MODIFICATION: ENHANCEMENT MODIFICATION TITLE: IFLOLS - CV(N)

DESCRIPTION/JUSTIFICATION:

The Improved Fresnel Lens Optical Landing System (IFLOLS) replaces the existing aircraft carrier Fresnel Lens Optical Landing System (FLOLS) with an improved design that will provide increased glide scope display sensitivity with improved optics and stabilization.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: EDM MS III - OCTOBER 1998

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)						4.565		3.385		2.565		0.600												
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)												0.900		0.900										0.900
INSTALLATION KITS											5	4.500	5	4.500									10	9.000
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE										0.205		0.466		0.423		0.375								1.469
OTHER - ILS								0.040		0.557		0.850		0.138		0.188								1.773
OTHER - ATE												0.035		0.037		0.005								0.077
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP											1	1.620	6	2.887	3	1.493							10	6.000
TOTAL PROCUREMENT								0.040		0.762	5	7.471	5	7.985		2.061							10	18.319

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: MK 13 MOD 0 (CV(N))

MODIFICATION TITLE: IFLOLS - CV(N)

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPYARD - SHIP ALTERATION (SA)
ADMINISTRATIVE LEADTIME: 1 Months
PRODUCTION LEADTIME: 11 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: 11/98
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: 10/99

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT												0.030		0.120		0.143								0.293
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT											1*	1.590	4	1.867									5	3.457
FY 2000 EQUIPMENT													2	0.900	3	1.350							5	2.250
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - FMP											1*	1.620	6	2.887	3	1.493							10	6.000

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In														1	2	2	2	1	2												10
Out														1 *	1	2	3		2		1										10

* Installation funding based upon FY of start of availability vice hardware delivery.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: MK 14 MOD O (SHORE). TYPE MODIFICATION: ENHANCEMENT MODIFICATION TITLE: IFLOLS - Shorebased

DESCRIPTION/JUSTIFICATION:

The Improved Fresnel Lens Optical Landing System (IFLOLS) replaces the existing shore based Fresnel Lens Optical Landing System (FLOLS) with an improved design that will provide increased glide scope display sensitivity with improved optics and stabilization.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: EDM MS III - OCTOBER 1998

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)												0.480		0.500		0.500								0.495
INSTALLATION KITS											5	2.400	7	3.500	7	3.500							19	9.400
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE										0.205		0.465		0.423		0.375		0.330		0.188				1.986
OTHER - ILS								0.040		0.206		0.100		0.138		0.188		0.109		0.074				0.855
OTHER - ATE												0.035		0.037		0.040								0.112
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP												1.430	5	2.620	7	2.570	7	1.500					19	8.120
TOTAL PROCUREMENT								0.040		0.411	5	4.430	7	6.718	7	6.673		1.939		0.262			19	20.473

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: MK 14 MOD O (SHORE).

MODIFICATION TITLE: IFLOLS - Shorebased

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPYARD - SHIP ALTERATION (SA)
ADMINISTRATIVE LEADTIME: 1 Months
PRODUCTION LEADTIME: 11 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: 11/98
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: 10/99

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT												0.030		0.120		0.120		0.050						0.320
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT											*	1.400	5	1.100									5	2.500
FY 2000 EQUIPMENT													*	1.400	7	1.450							7	2.850
FY 2001 EQUIPMENT															*	1.000	7	1.450					7	2.450
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP												1.430	5	2.620	7	2.570	7	1.500					19	8.120

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In														1	2	2	1	2	2	2	1	2	2	2							19
Out															2	2	1	1	2	2	2	2	1	2	2							19

* Installation funding based upon FY of start of availability vice hardware delivery.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: MK 11-0, MK 12-0 V/STOL OLS TYPE MODIFICATION: PERFORMANCE MODIFICATION TITLE: V/STOL OLS

DESCRIPTION/JUSTIFICATION:

Vertical / Short Take-Off and Landing Optical Landing System (V/STOL OLS) installations on board LHA and LHD Class Ships and at V/STOL pilot training facilities. A total of eight units were delivered and installed in FY96. The remaining six units will deliver and install in FY-97.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: I.O.C. 12/95

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		1.039																						1.039
INSTALLATION KITS	14	14.542																					14	14.542
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.300		0.050		0.040		0.040																0.430
OTHER - ILS		1.100		0.600		0.100		0.070																1.870
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP					8	1.918	6	1.241															14	3.159
TOTAL PROCUREMENT	14	15.942		0.650		2.058		1.351															14	20.001

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: MK 11-0, MK 12-0 V/STOL OLS

MODIFICATION TITLE: V/STOL OLS

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VOYAGE REPAIR TEAMS (VRT)
ADMINISTRATIVE LEADTIME: N/A Months
PRODUCTION LEADTIME: 12 Months
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
INSTALLATION SUPPORT																								
PRIOR YEARS					8	1.918	6	1.241															14	3.159
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP					8	1.918	6	1.241															14	3.159

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	8	2	3	1																											14
Out	8	2	3	1																											14

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ**	Admin Leadtime (after Oct1): **1 Month**	Prod Leadtime : **11 Months**

SJ260 AS/32P-25 Fire Truck	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		50	14					
Unit Cost		175	185					
Total Cost		$8,750	$2,590					
Asset Dynamics								
Beginning Asset Position				22	64	64	64	64
Deliveries from all prior year funding								
Deliveries from FY 1997 funding			22	28				
Deliveries from FY 1998 funding				14				
Deliveries from FY 1999 funding								
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End oy Year Asset Position			22	64	64	64	64	64
Inventory Objective or Current Authorized Allowance	69	69	69	69	69	69	69	69

Inventory Objective 69	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21										DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT**						Weapon System				P-1 ITEM NOMENCLATURE AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT
		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AS/32P-25 Fire Truck	Entwhistle; Hudson, MA	1	5	5	8	6	13	13	69	Each

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997									CALENDAR YEAR 1998												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AS/32P-25 Fire Truck	97		50	0	50							A													3	4	5	5	5	28
AS/32P-25 Fire Truck	98		14	0	14															A										14

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999									CALENDAR YEAR 2000												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AS/32P-25 Fire Truck	97		50	22	28	5	5	5	5	5	3																			0
AS/32P-25 Fire Truck	98		14	0	14						5	5	4																	0

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA3 - AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE **Predator UAV Defense** **Airborne Reconnaissance Program (DARP) - J3D1**
Program Element for Code B Items:	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	*		*	*	**$7.8**	**	**	**	**	**	**	**	**

Funding in the Navy Predator Unmanned Aerial Vehicle (UAV) line provides for the procurement of the UAV Common Automatic Recovery System (CARS) for several UAV systems.

The purpose of the UAV CARS program is to provide an automated recovery system for all classes of UAVs that will reduce operational mishaps, operator fatigue, operator training, and associated costs. The UAV CARS is a millimeter-wave-tracking radar system that provides system position data to recover UAVs automatically. UAV CARS consist of one track subsystem and airborne subsystems for installation in UAV air vehicles with an option for a ship motion sensor. The Pioneer system was initially selected for fielding of the UAV CARS. FY1997 funds the initial acquisition of UAV CARS for Predator and Tactical UAV systems. This program requires that a Predator air vehicle and ground control station assets be available during the 21 April 1998 through 14 September 1998 time frame to support systems integration/tests and demonstration.

*Prior to FY1997 the Predator program was budgeted in the Procurement Defense-Wide appropriation.

**Except for the UAV CARS initial acquisition beginning in FY1997, the Predator program is budgeted by the Air Force.

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System		DATE: **September 1997**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA3 - AVIATION SUPPORT EQUIPMENT**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **Predator UAV Defense Airborne Reconnaissance Program (DARP) - J3D1**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	UAV CARS																	
	CARS Units		*			*			*	7	866	6,062			**			**
	Logistics		*			*			*			1,772			**			**
			0			**0**			**0**			**7,834**			**0**			**0**

* Prior to FY1997 the Predator program was budgeted in the Procurement Defense-Wide Appropriation.

** Except for the UAV CARS initial acquisition, beginning in FY1997 the Predator program is budgeted by the Air Force.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE September 1997
B. APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA3 - AVIATION SUPPORT EQUIPMENT**	C. P-1 ITEM NOMENCLATURE **Predator UAV Defense Airborne Reconnaissance Program (DARP)**	SUBHEAD **J3D1**

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
Predator UAV										
FY1997 - CARS	7	866	PEO(CU) - UAV JPO		SS/FFP	Sierra Nevada Corp., Sierra Nevada	Sep 97	Oct 98	No	Nov 97

D. REMARKS

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21										DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA3 - AVIATION SUPPORT EQUIPMENT**						Weapon System				P-1 ITEM NOMENCLATURE Predator UAV Defense Airborne Reconnaissance Program (DARP) - J3D1
		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
UAV CARS	SNC, Sierra, NV	N/A	N/A	N/A		11	13		24	E

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997												CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
UAV CARS	FY97	AF	7	0	7												A													7

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999												CALENDAR YEAR 2000									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
UAV CARS	FY97	AF	7	0	7	2	2	2	1																					0

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: **September 1997**
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA-3 - AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE: **Pioneer UAV Defense Airborne Reconnaissance Program (DARP) - J3D2**
Program Element for Code B Items:	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	*		*	*	**$25.0**	**	**	**	**	**	**	**	**

The Pioneer UAV System provides near-real-time reconnaissance, surveillance, target acquisition (RSTA) and combat assessment (CA) within line-of-sight of a ground control station, both day and night. The Pioneer UAV provides high quality video imagery to ground processing stations via datalink. Nine Pioneer systems are fielded. Six systems support U.S. Navy operations, including current testing/evaluation and deployment aboard three configured LPD ships; two systems support U.S. Marine Corps land based operations, and the remaining system supports training requirements. The Pioneer finding provides: replenishment spares needed to improve reliability and maintainability to achieve 85% readiness and replenish Unit Support Kits (USKs); readiness impact items that are required to maintain systems safety changes or correct critical system deficiencies resulting from emerging obsolescence; ability to maintain the readiness posture of operationally deployed systems; and improvements to meet requirements generated from Desert Storm, Somalia, and Bosnia operations lessons learned. In FY1996 procurement funds were used to buy critical spare parts and obsolescence engineering change proposals (ECPs). In FY1997 procurement funds were used to buy payloads, attrition spares and engineering change proposals such as plotter ECP, TCU air conditioner ECP, PCS autotracking ECP, engine improvements and shipboard antennas. In FY1998 funds are requested for air vehicles, payloads and ECPs that provide better weather resistance, flotation and locator transmitter, further engine improvements or replacement engine procurement, circuit board ECPs, intelligence bay ECP and obsolescence ECPs. FY1999-FY2002 procurement funds will buy payloads and support and equipment to maintain the Pioneer system. This profile supports the present TUAV transition schedule that effectively extends Pioneer through FY2003.

* Prior to FY1997 the Pioneer program was budgeted in the Procurement, Defense-Wide appropriation.
** In FY1998 and beyond Pioneer is budgeted in the Weapons Procurement, Navy (WPN) appropriation.

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System		DATE: Sep-97
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA-3 - AVIATION SUPPORT EQUIPMENT**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **Pioneer UAV Defense Airborne** **Reconnaissance Pogram (DARP) - J3D2**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	Pioneer Sustem																	
	Unit Support Hardware		*			*			*			8,300			**			**
	Production Support		*			*			*			3,676			**			**
	Air Vehicles		*			*			*						**			**
	Payloads		*			*			*	20	252	5,042			**			**
	Engineer Change Proposals (ECPs)		*			*			*			8,014			**			**
			0			**0**			**0**			**25,032**			**0**			**0**

* Prior to FY1997 the Pioneer program was budgeted in the Procurement Defense-Wide appropriation.

** In FY1998 and beyond Pioneer is budgeted in the Weapons Procurement, Navy (WPN) appropriation.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE Sep-97
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 - AVIATION SUPPORT EQUIPMENT	C. P-1 ITEM NOMENCLATURE Pioneer UAV Defense Airborne Reconnaissance Program (DARP)	SUBHEAD J3D2

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
Pioneer UAV										
FY1997 - Payloads	20	252	PEO(CU) - UAV JPO	Mar 97	SS/FFP	Pioneer UAV, Inc. Hunt Valley, MD	May 97	Mar 98	Yes	

D. REMARKS

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21										DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA3 - Aviation Support Equipmen**						Weapon System				P-1 ITEM NOMENCLATURE Pioneer UAV Defense Airborne Reconnaissance Program (DARP)
		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
Payload	Pioneer UAV, Inc.	N/A	N/A	N/A		7	9		16	E
	Hunt Valley, MD									

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997												CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Payload	FY97		20	0	20								A										4	4	4	4	4			0

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999												CALENDAR YEAR 2000									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Remarks:

BUDGET ITEM JUSTIFICATION SHEET

DATE September 1997

APPROPRIATION/BUDGET ACTIVITY
OP,N - BA3 AVIATION SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE
METEOROLOGICAL EQUIPMENT 422600

SUBHEAD
53SP

	PY *	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TO COMP	TOTAL
QUANTITY												
COST (in millions)	**$132.4**	**$20.9**	**$19.6**	**$16.4**	**$17.8**	**$33.7**	**$32.8**	**$33.3**	**$34.3**	**$34.7**	**Cont.**	**Cont.**

PROGRAM COVERAGE/JUSTIFICATION FOR BUDGET YEAR REQUIREMENTS:

This item provides new and replacement meteorological equipment for all Naval/Marine Corps Air Stations and all Navy ships and other activities required to take weather observations and provide safety of flight information. The procurement has been thoroughly coordinated with the other DOD and civilian agencies. Equipment is funded under the following programs:

The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA), National Polar Orbiting Environmental Satellite System (NPOESS), the Geostationary Orbiting Environmental Satellites (GOES), Low Resolution Weather Facsimile (WEFAX) and the GEOSAT Follow-On (GFO). The upgrade will allow the system to receive and preprocess additional environmental satellites, comply with open systems architecture standards and provide for antenna replacement. $.96 million in FY-98 and $4.3 million in FY-99 will support various processor, printer, peripherals and antenna upgrades to AN/SMQ-11 systems.

The Mini-Rawin System (MRS) is a portable commercial off-the-shelf upper air sounding system used to measure pressure, temperature, humidity and wind speed and direction from the surface to the lower stratosphere. $.8 million in FY-96 (60 units) and $.9 million in FY-97 (68 units) supports the upgrade of existing units to enable use of the Global Positioning System (GPS).

The Automated Surface Observing System (ASOS) is an automatic system used to sense, collect, display and disseminate real time meteorological information at both Navy and Marine Corps Air stations and remote sites such as weapon ranges and port facilities. $3.4 million (16 systems) in FY- 96 was executed for ASOS.

The Tactical Environmental Support Systems (TESS) Upgrade - Procure workstations, servers, input/output control devices, CPUs and back planes to replace original equipment for evolutionary acquisition block upgrades. $8.3 million in FY-96, $7.1 million in FY-97, $7.8 million in FY-98 and $11.6 million in FY-99 supports the TESS evolutionary acquisition Upgrade. TESS software is required to be upgraded to Windows environment with a C2 Secure Operating System as required for cutover of connectivity to DON/DISNET. Associated hardware upgrades that are required include CPU cards, RAM memory, clock, BUS, disk storage and disk controllers. TESS Upgrades planned for FY 96-99 include Fleet Numerical Meteorology and Oceanography Center (FNMOC) and Naval Oceanographic Office (NAVO) and the five regional centers at Guam, Pearl Harbor, Norfolk, Suitland and Rota Spain, and at afloat and ashore sites.

Shipboard Meteorological and Oceanographic Observing System (SMOOS) P3I will provide Upgrades to existing suites to add smaller sensors such as radiometers, $.2 million in FY-96. $.7 million in FY-99 is budgeted for MORIAH sensor upgrades. MORIAH is a major block upgrade consisting of shipboard environmental sensors, automated data acquisition and processing system, multiple system interface and displays.

Fleet Marine Force Meteorological Equipment - Meteorological Equipment required to upgrade and replace the existing Meteorological Mobile Facilities (METMF). The METMF Replacement (METMF (R)) will a fully integrated system capable of automatic data acquisition from communications channels providing METOC data, meteorological satellite, meteorological Doppler radar and local and remote meteorological sensors. The METMF (R) will be equipped to support Marine Air-Ground Task Force (MAGTF) operations world wide.

* Note: PY represents FY 90 - 94.

BUDGET ITEM JUSTIFICATION SHEET (CONTINUATION)

DATE September 1997

APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	SUBHEAD
OP,N - BA3 AVIATION SUPPORT EQUIPMENT	METEOROLOGICAL EQUIPMENT 422600	53SP

Miscellaneous Meteorological Equipment - General Purpose Met Equipment covered unscheduled purchase of items such as: laser recorders, facsimile recorders, runway temperature instruments, special tape recorders, power supplies, printed circuit module, etc.

The Navy Integrated Tactical Environmental Subsystem (NITES) provides tactical environmental support to non-TESS (3) ships and ashore command and control and other facilities by establishing remote workstations that provide inputs to mission planning systems and tactical decision aids. NITES merged into the TESS Upgrade in FY-96. $7.1 million (101 systems) in FY-95 was executed for NITES.

The Next Generation Radar (NEXRAD) Remote includes all hardware and software required for the request, display, local storage and local annotation and distribution of weather/storm data from National Weather Service, Federal Aviation Administration and Air Force weather radars. The Navy procures remote user processors, not complete radars. $1.5 million (5 systems) in FY-95 was executed for NEXRAD.

The Supplemental Weather Radar (SWR) is a small, light weight, COTS Doppler radar system that will be located at sites where NEXRAD coverage is not available to Navy/USMC activities. The SWR will provide real-time surveillance and advance warning of potentially severe weather phenomena that are developing near or moving towards USN and USMC units. $.98 million in FY-96 (1 unit) and $2.5 million in FY-97 (3 units) and $3.5 million in FY-99 (5 units) is utilized for the procurement of SWR.

METOC Air, Surface, Undersea Reconnaissance Equipment (MEASURE) is comprised of a diverse suite of off-board sensors and associated processing systems. MEASURE is used to obtain critical METOC data in denied or remote areas. $1.2 million in FY-99 will provide ship/aircraft deployed drifting buoys and aircraft deployed hinterland clandestine micro sensors.

Aviation Safety System Upgrades are GOTS/COTS hardware and associated software upgrades to installed, multi-agency procured safety of flight equipment, such as NEXRAD and ASOS, installed at all Navy and Marine Corps Air facilities worldwide. In FY-99, $1.0 million will provide required system upgrades developed by the lead agency (in most cases, the National Weather Service). These periodic GOTS/COTS upgrades are essential to the continued use of the equipments.

Training Support - Necessary to train the initial cadre of instructional personnel with the end item.

Installation of Equipment - Installation efforts include plans, site surveys, BESEPS, equipment installation and checkout.

MODIFICATION SUMMARY ($M)

Listed below are the costs (i.e. hardware and installation) for equipment being procured in this line item that have associated installation costs budgeted:

EQUIPMENT	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
MRS UPGRADE		0.8	1.2						
ASOS	4.2	3.8	0.3						
TESS UPGRADES	3.6	10.6	9.6	10.8	14.9	14.5	14.4	15.4	16.2
NITES	9.1								
SMOOS P3I		0.2			0.7	5.9	6.4	7.2	7.5
SUPPLEMENTAL WEATHER RADAR		1.1	2.6		3.6				
AN/SMQ-11	0.2								
AN/SMQ-11 UPGRADES				1.6	6.0	4.7	5.4	5.1	5.0
AVIATION SAFETY SYSTEM UPGRADES					1.1	1.2	1.3	1.5	1.5
Total	17.1	16.5	13.7	12.4	26.3	26.3	27.5	29.2	30.2

COST ANALYSIS

DATE: September 1997

B. APPROPRIATION/BUDGET ACTIVITY
OP,N - BA3 AVIATION SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE
METEOROLOGICAL EQUIPMENT 422600

SUBHEAD
53SP

COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS																	
			PY*		FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			QTY	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
SP051	AN/SMQ-11 UPGRADES - SPACE	A												VAR		959	VAR		4,287
SP115	MRS UPGRADES	A	VAR	203				60	13	800	68	14	925						
SP120	NEXRAD	A	VAR	9,205	5	294	1,469												
SP130	ASOS	A	VAR	3,200	19	198	3,762	16	211	3,376									
SP190	TESS UPGRADES	A	VAR	15,225	VAR		2,933	VAR		8,254	VAR		7,120	VAR		7,841	VAR		11,608
SP195	NITES	A	VAR	3,324	101	70	7,106												
SP200	SMOOS P3I - MORIAH	A						VAR		200							VAR		665
SP300	MET EQUIPMENT	N/A	VAR	1,009	VAR		2,088	VAR		2,842	VAR		2,537	VAR		5,433	VAR		6,200
SP400	GP EQUIPMENT	N/A	VAR	286	VAR		152	VAR		126	VAR		132						
SP500	SUPPLEMENTAL WEATHER RADAR	N/A						1	980	980	3	842	2,527				5	702	3,512
SP525	MEASURE	N/A															VAR		1,198
SP550	AVIATION SAFETY SYS UPGRADES	N/A															VAR		1,028
SP666	TRAINING SUPPORT	N/A	VAR	491	VAR		223												
			VAR 1/	81,747															
SP776	INSTALL SHORE	N/A	VAR	3,945	VAR		1,773	VAR		1,904	VAR		1,901	VAR		1,192	VAR		1,350
SP777	INSTALL SHIP	N/A	VAR	13,724	VAR		1,435	VAR		1,127	VAR		1,304	VAR		2,391	VAR		3,850
	INSTALL															2,271			3,728
	DSA															120			122
	TOTAL PROGRAM			**132,359**			**20,941**			**19,609**			**16,446**			**17,816**			**33,698**

* Note: PY represents FY 90 - 94
1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 1995 and beyond.

PROCUREMENT HISTORY AND PLANNING

A. DATE September 1997

B. APPROPRIATION/BUDGET ACTIVITY OP,N - BA3 AVIATION SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE METEOROLOGICAL EQUIPMENT 422600

SUBHEAD 53SP

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
SP115	MRS UPGRADES	96	VAISALA , MA	SS/FFP	SPAWAR	Aug-96	Nov-96	May-97	60	13,333	Yes	N/A
		97	VAISALA, MA	SS/FFP/OP	SPAWAR	Aug-96	Dec-96	Jun-97	68	13,603	Yes	N/A
SP500	SUPPLEMENTAL WEATHER RADAR*	96	ENTERPRISE ELEC., AL	C/FFP	NISE E/CH	Jun-96	Dec-96	Jun-97	1	980,000	Yes	N/A
		97	ENTERPRISE ELEC., AL	C/FFP/OP	NISE E/CH	Jun-96	Jun-97	Jul-97	3	842,333	Yes	N/A
		99	ENTERPRISE ELEC., AL	C/FFP/OP	NISE E/CH	Jun-96	Nov-98	Dec-98	5	702,400	Yes	N/A

D. REMARKS

* FY 96 unit price includes non-recurring for data deliverables and pre-faulted modules.

MODIFICATION TITLE: SP051 - AN/SMQ-11 UPGRADES - SPACE (SHIP)

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION: The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA), National Polar Orbiting Environmental Satellite System (NPOESS), the Geostationary Orbiting Environmenta Satellites (GOES), Low Resolution Weather Facsimile (WEFAX) and the GEOSAT Follow-On (GFO). The upgrade will allow the system to receive and preprocess additional environmental satellites, comply with open systems architecture standards and provide for antenna replacement

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

FINANCIAL PLAN: ($ in millions)

	PY		FY 95		FY 96		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment											VAR	2.1	VAR	1.2	VAR	1.3	VAR	1.4	VAR	1.5	CONT		VAR	7.5
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interim Contractor Support																								
Installation of Hardware*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	30	1.1	30	1.2	30	1.9	30	1.4	30	1.1	0	0.0	150	6.6
PRIOR YR EQUIP																							0	0.0
FY 95 EQUIP																							0	0.0
FY 96 EQUIP																							0	0.0
FY 97 EQUIP																							0	0.0
FY 98 EQUIP																							0	0.0
FY 99 EQUIP											30	1.1											30	1.1
FY 00 EQUIP													30	1.2									30	1.2
FY 01 EQUIP															30	1.9							30	1.9
FY 02 EQUIP																	30	1.4					30	1.4
FY 03 EQUIP																			30	1.1			30	1.1
FY TC EQUIP																							0	0.0
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.0		0.0		1.1		1.2		1.9		1.4		1.1		0.0		6.6
TOTAL PROCUREMENT COST		0.0		0.0		0.0		0.0		0.0		3.1		2.4		3.2		2.9		2.6		0.0		14.1

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: VAR PROCUREMENT LEADTIME: VAR

CONTRACT DATES: FY 1996: FY 1997: FY 1998: FY 1999: VAR

DELIVERY DATES: FY 1996: FY 1997: FY 1998: FY 1999: VAR

INSTALLATION SCHEDULE:	PY	FY 95 1	FY 95 2	FY 95 3	FY 95 4	FY 96 1	FY 96 2	FY 96 3	FY 96 4	FY 97 1	FY 97 2	FY 97 3	FY 97 4	FY 98 1	FY 98 2	FY 98 3	FY 98 4	FY 99 1	FY 99 2	FY 99 3	FY 99 4
INPUT																		7	7	8	8
OUTPUT																		7	7	8	8

INSTALLATION SCHEDULE:	FY 00 1	FY 00 2	FY 00 3	FY 00 4	FY 01 1	FY 01 2	FY 01 3	FY 01 4	FY 02 1	FY 02 2	FY 02 3	FY 02 4	FY 03 1	FY 03 2	FY 03 3	FY 03 4	TC	TOTAL
INPUT	7	7	8	8	7	7	8	8	7	7	8	8	7	7	8	8		150
OUTPUT	7	7	8	8	7	7	8	8	7	7	8	8	7	7	8	8		150

* Quantities reflect platforms.

Sep-97

MODIFICATION TITLE: SP051 - AN/SMQ-11 UPGRADES - SPACE (SHORE)

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION: The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA), National Polar Orbiting Environmental Satellite System (NPOESS), the Geostationary Orbiting Environmenta Satellites (GOES), Low Resolution Weather Facsimile (WEFAX) and the GEOSAT Follow-On (GFO). The upgrade will allow the system to receive and preprocess additional environmental satellites, comply with open systems architecture standards and provide for antenna replacement

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

FINANCIAL PLAN: ($ in millions)

	PY		FY 95		FY 96		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment									VAR	1.0	VAR	2.2	VAR	1.3	VAR	1.4	VAR	1.5	VAR	1.6	CONT		VAR	9.1
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interim Contractor Support																								
Installation of Hardware*	0	0.0	0	0.0	0	0.0	0	0.0	33	0.6	33	0.7	33	1.0	33	0.8	33	0.7	33	0.8	0	0.0	198	4.5
PRIOR YR EQUIP																							0	0.0
FY 95 EQUIP																							0	0.0
FY 96 EQUIP																							0	0.0
FY 97 EQUIP																							0	0.0
FY 98 EQUIP									33	0.6													33	0.6
FY 99 EQUIP											33	0.7											33	0.7
FY 00 EQUIP													33	1.0									33	1.0
FY 01 EQUIP															33	0.8							33	0.8
FY 02 EQUIP																	33	0.7					33	0.7
FY 03 EQUIP																			33	0.8			33	0.8
FY TC EQUIP																							0	0.0
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.0		0.6		0.7		1.0		0.8		0.7		0.8		0.0		4.5
TOTAL PROCUREMENT COST		0.0		0.0		0.0		0.0		1.6		2.9		2.3		2.2		2.2		2.4		0.0		13.6

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: VAR PROCUREMENT LEADTIME: VAR

CONTRACT DATES: FY 1996: FY 1997: FY 1998: VAR FY 1999: VAR

DELIVERY DATES: FY 1996: FY 1997: FY 1998: VAR FY 1999: VAR

INSTALLATION SCHEDULE:	PY	FY 95				FY 96				FY 97				FY 98				FY 99			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
INPUT														8	8	8	9	8	8	8	9
OUTPUT														8	8	8	9	8	8	8	9

INSTALLATION SCHEDULE:	FY 00				FY 01				FY 02				FY 03				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUT	8	8	8	9	8	8	8	9	8	8	8	9	8	8	8	9		198
OUTPUT	8	8	8	9	8	8	8	9	8	8	8	9	8	8	8	9		198

* Quantities reflect shore sites.

Sep-97

MODIFICATION TITLE: SP115 - MINI-RAWIN SYSTEM UPGRADES (SHIP)
MODELS OF SYSTEMS AFFECTED:
DESCRIPTION/JUSTIFICATION: THE MRS IS A PORTABLE COMMERCIAL OFF-THE-SHELF (COTS) UPPER AIR SOUNDING SYSTEM USED TO MEASURE PRESSURE, TEMPERATURE, HUMIDITY, WIND SPEED AND DIRECTION FROM THE SURFACE TO THE LOWER STRATOSPHERE. THE UPGRADE WILL ENABLE USE OF THE GLOBAL POSITIONING SYSTEM (GPS).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES
FINANCIAL PLAN: ($ in millions)

	PY		FY 95		FY 96		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment					28	0.4																	28	0.4
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interim Contractor Support																								
Installation of Hardware*	0	0.0	0	0.0	0	0.0	28	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	28	0.1
PRIOR YR EQUIP																							0	0.0
FY 95 EQUIP																							0	0.0
FY 96 EQUIP							28	0.1															28	0.1
FY 97 EQUIP																							0	0.0
FY 98 EQUIP																							0	0.0
FY 99 EQUIP																							0	0.0
FY 00 EQUIP																							0	0.0
FY 01 EQUIP																							0	0.0
FY 02 EQUIP																							0	0.0
FY 03 EQUIP																							0	0.0
FY TC EQUIP																							0	0.0
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.1		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.1
TOTAL PROCUREMENT COST		0.0		0.0		0.4		0.1		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.5

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 3 MONTHS PROCUREMENT LEADTIME: 3 MONTHS

CONTRACT DATES: FY 1996: Nov-96 FY 1997: FY 1998: FY 1999:

DELIVERY DATES: FY 1996: May-97 FY 1997: FY 1998: FY 1999:

INSTALLATION SCHEDULE:	PY	FY 95 1	FY 95 2	FY 95 3	FY 95 4	FY 96 1	FY 96 2	FY 96 3	FY 96 4	FY 97 1	FY 97 2	FY 97 3	FY 97 4	FY 98 1	FY 98 2	FY 98 3	FY 98 4	FY 99 1	FY 99 2	FY 99 3	FY 99 4
INPUT												14	14								
OUTPUT												14	14								

INSTALLATION SCHEDULE:	FY 00 1	FY 00 2	FY 00 3	FY 00 4	FY 01 1	FY 01 2	FY 01 3	FY 01 4	FY 02 1	FY 02 2	FY 02 3	FY 02 4	FY 03 1	FY 03 2	FY 03 3	FY 03 4	TC	TOTAL
INPUT																		28
OUTPUT																		28

Sep-97

MODIFICATION TITLE: SP115 - MINI-RAWIN SYSTEM UPGRADES (SHORE)
MODELS OF SYSTEMS AFFECTED:
DESCRIPTION/JUSTIFICATION: THE MRS IS A PORTABLE COMMERCIAL OFF-THE-SHELF (COTS) UPPER AIR SOUNDING SYSTEM USED TO MEASURE PRESSURE, TEMPERATURE, HUMIDITY, WIND SPEED AND DIRECTION FROM THE SURFACE TO THE LOWER STRATOSPHERE. THE UPGRADE WILL ENABLE USE OF THE GLOBAL POSITIONING SYSTEM (GPS).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES
FINANCIAL PLAN: ($ in millions)

	PY		FY 95		FY 96		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment					32*	0.4	68*	0.9															100*	1.3
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interim Contractor Support																								
Installation of Hardware*	0	0.0	0	0.0	0	0.0	47	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	47	0.2
PRIOR YR EQUIP																							0	0.0
FY 95 EQUIP																							0	0.0
FY 96 EQUIP							47	0.2															47	0.2
FY 97 EQUIP																							0	0.0
FY 98 EQUIP																							0	0.0
FY 99 EQUIP																							0	0.0
FY 00 EQUIP																							0	0.0
FY 01 EQUIP																							0	0.0
FY 02 EQUIP																							0	0.0
FY 03 EQUIP																							0	0.0
FY TC EQUIP																							0	0.0
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.2		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.2
TOTAL PROCUREMENT COST		0.0		0.0		0.4		1.1		0.0		0.0		0.0		0.0		0.0		0.0		0.0		1.5

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 3 MONTHS PROCUREMENT LEADTIME: 3 MONTHS

CONTRACT DATES: FY 1996: Nov-96 FY 1997: Dec-96 FY 1998: FY 1999:

DELIVERY DATES: FY 1996: May-97 FY 1997: Jun-97 FY 1998: FY 1999:

INSTALLATION SCHEDULE:	PY	FY 95 1	FY 95 2	FY 95 3	FY 95 4	FY 96 1	FY 96 2	FY 96 3	FY 96 4	FY 97 1	FY 97 2	FY 97 3	FY 97 4	FY 98 1	FY 98 2	FY 98 3	FY 98 4	FY 99 1	FY 99 2	FY 99 3	FY 99 4
INPUT												25	22								
OUTPUT												25	22								

INSTALLATION SCHEDULE:	FY 00 1	FY 00 2	FY 00 3	FY 00 4	FY 01 1	FY 01 2	FY 01 3	FY 01 4	FY 02 1	FY 02 2	FY 02 3	FY 02 4	FY 03 1	FY 03 2	FY 03 3	FY 03 4	TC	TOTAL
INPUT																		47
OUTPUT																		47

* 53 UNITS ARE FOR MOBILE TEAMS AND REQUIRE NO INSTALLATION.

Sep-97

MODIFICATION TITLE: AUTOMATED SURFACE OBSERVING SYSTEM (ASOS) (SHORE)
MODELS OF SYSTEMS AFFECTED:
DESCRIPTION/JUSTIFICATION: ASOS IS AN AUTOMATIC SYSTEM TO SENSE, COLLECT, DISPLAY AND DISSEMINATE REAL TIME METEOROLOGICAL INFORMATION AT BOTH NAVY AND MARINE CORPS AIR STATIONS AND REMOTE SITES SUCH AS WEAPON RANGES AND ORT FACILITIES.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES
FINANCIAL PLAN: ($ in millions)

	PY		FY 95		FY 96		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment	18	3.2	19	3.8	16	3.4																	53	10.4
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interim Contractor Support																								
Installation of Hardware*	3	0.0	24	0.4	19	0.5	7	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	53	1.2
PRIOR YR EQUIP	3		15	0.3																			18	0.3
FY 95 EQUIP			9	0.1	10	0.3																	19	0.4
FY 96 EQUIP					9	0.2	7	0.3															16	0.5
FY 97 EQUIP																							0	0
FY 98 EQUIP																							0	0
FY 99 EQUIP																							0	0
FY 00 EQUIP																							0	0
FY 01 EQUIP																							0	0
FY 02 EQUIP																							0	0
FY 03 EQUIP																							0	0
FY TC EQUIP																							0	0
TOTAL INSTALLATION COST		0.0		0.4		0.5		0.3		0.0		0.0		0.0		0.0		0.0		0.0		0.0	0	1.2
TOTAL PROCUREMENT COST		3.2		4.2		3.9		0.3		0.0		0.0		0.0		0.0		0.0		0.0		0.0	0	11.6

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 1 MONTH PROCUREMENT LEADTIME: 8 MONTHS

CONTRACT DATES: FY 1996: Nov-95 FY 1997: FY 1998: FY 1999:

DELIVERY DATES: FY 1996: Aug-96 FY 1997: FY 1998: FY 1999:

INSTALLATION SCHEDULE:	PY	FY 95 1	FY 95 2	FY 95 3	FY 95 4	FY 96 1	FY 96 2	FY 96 3	FY 96 4	FY 97 1	FY 97 2	FY 97 3	FY 97 4	FY 98 1	FY 98 2	FY 98 3	FY 98 4	FY 99 1	FY 99 2	FY 99 3	FY 99 4
INPUT	3	3	6	6	9	3	5	2	9	3	2	2									
OUTPUT	3	3	6	6	9	3	5	2	9		2	2	1	1	1						

INSTALLATION SCHEDULE:	FY 00 1	FY 00 2	FY 00 3	FY 00 4	FY 01 1	FY 01 2	FY 01 3	FY 01 4	FY 02 1	FY 02 2	FY 02 3	FY 02 4	FY 03 1	FY 03 2	FY 03 3	FY 03 4	TC	TOTAL
INPUT																		53
OUTPUT																		53

Sep-97

MODIFICATION TITLE: SP190 - TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADE (SHIP)
MODELS OF SYSTEMS AFFECTED:
DESCRIPTION/JUSTIFICATION: TESS UPGRADE PROCURES TERMINALS, INPUT/OUTPUT CONTROL DEVICES, CPUs AND BACK PLANES TO REPLACE ORIGINAL EQUIPMENT FOR BLOCK UPGRADES ON 30 PLATFORMS. ASSOCIATED SOFTWARE UPGRADES ARE ALSO REQUIRED.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES
FINANCIAL PLAN: ($ in millions)

	PY		FY 95		FY 96		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment					VAR	3.8	VAR	3.5	VAR	4.9	VAR	4.6	VAR	4.4	VAR	4.5	VAR	4.6	VAR	4.8	CONT		VAR	35.1
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interim Contractor Support																								
Installation of Hardware*	0	0.0	0	0.0	27	1.0	27	1.3	30	2.4	30	2.8	30	2.8	30	2.5	30	3.0	30	3.3	0	0.0	234	19.1
PRIOR YR EQUIP																							0	0.0
FY 95 EQUIP																							0	0.0
FY 96 EQUIP					27	1.0																	27	1.0
FY 97 EQUIP							27	1.3															27	1.3
FY 98 EQUIP									30	2.4													30	2.4
FY 99 EQUIP											30	2.8											30	2.8
FY 00 EQUIP													30	2.8									30	2.8
FY 01 EQUIP															30	2.5							30	2.5
FY 02 EQUIP																	30	3.0					30	3.0
FY 03 EQUIP																			30	3.3			30	3.3
FY TC EQUIP																							0	0.0
TOTAL INSTALLATION COST		0.0		0.0		1.0		1.3		2.4		2.8		2.8		2.5		3.0		3.3		0.0		19.1
TOTAL PROCUREMENT COST		0.0		0.0		4.8		4.8		7.3		7.4		7.2		7.0		7.6		8.1		0.0		54.2

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: VAR PROCUREMENT LEADTIME: VAR

CONTRACT DATES: FY 1996: VAR FY 1997: VAR FY 1998: VAR FY 1999: VAR

DELIVERY DATES: FY 1996: VAR FY 1997: VAR FY 1998: VAR FY 1999: VAR

INSTALLATION SCHEDULE:	PY	FY 95 1	FY 95 2	FY 95 3	FY 95 4	FY 96 1	FY 96 2	FY 96 3	FY 96 4	FY 97 1	FY 97 2	FY 97 3	FY 97 4	FY 98 1	FY 98 2	FY 98 3	FY 98 4	FY 99 1	FY 99 2	FY 99 3	FY 99 4
INPUT						6	7	7	7	6	7	7	7	7	7	8	8	7	7	8	8
OUTPUT						6	7	7	7	6	7	7	7	7	7	8	8	7	7	8	8

INSTALLATION SCHEDULE:	FY 00 1	FY 00 2	FY 00 3	FY 00 4	FY 01 1	FY 01 2	FY 01 3	FY 01 4	FY 02 1	FY 02 2	FY 02 3	FY 02 4	FY 03 1	FY 03 2	FY 03 3	FY 03 4	TC	TOTAL
INPUT	7	7	8	8	7	7	8	8	7	7	8	8	7	7	8	8		234
OUTPUT	7	7	8	8	7	7	8	8	7	7	8	8	7	7	8	8		234

* Quantities reflect platforms.
* PY and FY95 exhibits included NITES. NITES units are not represented.

Sep-97

MODIFICATION TITLE: SP190 - TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADE (SHORE)
MODELS OF SYSTEMS AFFECTED:
DESCRIPTION/JUSTIFICATION: TESS UPGRADE PROCURES TERMINALS, INPUT/OUTPUT CONTROL DEVICES, CPUs AND BACK PLANES TO REPLACE ORIGINAL EQUIPMENT FOR BLOCK UPGRADES AT 33 SHORE SITES. ASSOCIATED SOFTWARE UPGRADES ARE ALSO REQUIRED.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES
FINANCIAL PLAN: ($ in millions)

	PY		FY 95		FY 96		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment					VAR	4.5	VAR	3.5	VAR	3.0	VAR	7.0	VAR	6.8	VAR	6.9	VAR	7.0	VAR	7.3	CONT		VAR	46.1
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interim Contractor Support																								
Installation of Hardware*	0	0.0	0	0.0	49	1.3	49	1.3	49	0.6	49	0.6	49	0.6	49	0.5	49	0.8	49	0.9	0	0.0	392	6.5
PRIOR YR EQUIP																							0	0.0
FY 95 EQUIP																							0	0.0
FY 96 EQUIP					49	1.3																	49	1.3
FY 97 EQUIP							49	1.3															49	1.3
FY 98 EQUIP									49	0.6													49	0.6
FY 99 EQUIP											49	0.6											49	0.6
FY 00 EQUIP													49	0.6									49	0.6
FY 01 EQUIP															49	0.5							49	0.5
FY 02 EQUIP																	49	0.8					49	0.8
FY 03 EQUIP																			49	0.9			49	0.9
FY TC EQUIP																							0	0.0
TOTAL INSTALLATION COST		0.0		0.0		1.3		1.3		0.6		0.6		0.6		0.5		0.8		0.9		0.0		6.5
TOTAL PROCUREMENT COST		0.0		0.0		5.8		4.8		3.6		7.6		7.4		7.4		7.8		8.2		0.0		52.5

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: VAR PROCUREMENT LEADTIME: VAR

CONTRACT DATES: FY 1996: VAR FY 1997: VAR FY 1998: VAR FY 1999: VAR

DELIVERY DATES: FY 1996: VAR FY 1997: VAR FY 1998: VAR FY 1999: VAR

INSTALLATION SCHEDULE:	PY	FY 95				FY 96				FY 97				FY 98				FY 99			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
INPUT						12	12	12	13	12	12	12	13	12	12	12	13	12	12	12	13
OUTPUT						12	12	12	13	12	12	12	13	12	12	12	13	12	12	12	13

INSTALLATION SCHEDULE:	FY 00				FY 01				FY 02				FY 03				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUT	12	12	12	13	12	12	12	13	12	12	12	13	12	12	12	13		392
OUTPUT	12	12	12	13	12	12	12	13	12	12	12	13	12	12	12	13		392

* Quantities reflect shore sites. Some sites require dual systems.

Sep-97

MODIFICATION TITLE: SP200 - SHIPBOARD METEOROLOGICAL AND OCEANOGRAPHIC OBSERVING SYSTEM (SMOOS P3I) - MORIAH (SHIP)

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION: Shipboard Meteorological and Oceanographic Observing System (SMOOS) P3I will provide Upgrades to existing suites to add smaller sensors such as radiometers. MORIAH is a major block upgrade consisting of shipboard environmental sensors, automated data acquisition and processing system, multiple system interface and displays. MORIAH will be installed on 260 platforms

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

FINANCIAL PLAN: ($ in millions)

	PY		FY 95		FY 96		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment					VAR*	0.2					VAR	0.7	VAR	5.4	VAR	5.8	VAR	6.2	VAR	6.5	CONT		VAR	24.8
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interim Contractor Support																								
Installation of Hardware*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0	59	0.5	69	0.6	69	1.0	60	1.0	0	0.0	260	3.1
PRIOR YR EQUIP																							0	0.0
FY 95 EQUIP																							0	0.0
FY 96 EQUIP																							0	0.0
FY 97 EQUIP																							0	0.0
FY 98 EQUIP																							0	0.0
FY 99 EQUIP											3	0.03											3	0.0
FY 00 EQUIP													59	0.5									59	0.5
FY 01 EQUIP															69	0.6							69	0.6
FY 02 EQUIP																	69	1.0					69	1.0
FY 03 EQUIP																			60	1.0			60	1.0
FY TC EQUIP																							0	0.0
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.0		0.0		0.0		0.5		0.6		1.0		1.0		0.0		3.1
TOTAL PROCUREMENT COST		0.0		0.0		0.2		0.0		0.0		0.7		5.9		6.4		7.2		7.5		0.0		28.0

ADMINISTRATIVE LEADTIME: VAR PROCUREMENT LEADTIME: VAR

CONTRACT DATES: FY 1996: VAR FY 1997: FY 1998: FY 1999: VAR

DELIVERY DATES: FY 1996: VAR FY 1997: FY 1998: FY 1999: VAR

INSTALLATION SCHEDULE:	PY	FY 95 1	FY 95 2	FY 95 3	FY 95 4	FY 96 1	FY 96 2	FY 96 3	FY 96 4	FY 97 1	FY 97 2	FY 97 3	FY 97 4	FY 98 1	FY 98 2	FY 98 3	FY 98 4	FY 99 1	FY 99 2	FY 99 3	FY 99 4
INPUT																				3	
OUTPUT																				1	2

INSTALLATION SCHEDULE:	FY 00 1	FY 00 2	FY 00 3	FY 00 4	FY 01 1	FY 01 2	FY 01 3	FY 01 4	FY 02 1	FY 02 2	FY 02 3	FY 02 4	FY 03 1	FY 03 2	FY 03 3	FY 03 4	TC	TOTAL
INPUT	14	15	15	15	17	17	17	18	17	17	17	18	15	15	15	15		260
OUTPUT	14	15	15	15	17	17	17	18	17	17	17	18	15	15	15	15		260

* FY96 units required no installation.

** I/O quantities reflect platforms.

Sep-97

MODIFICATION TITLE: SP500 - SUPPLEMENTAL WEATHER RADAR (SWR) (SHORE)

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION: The Supplemental Weather Radar (SWR) is a small, light weight, COTS Doppler radar system that will be located at sites where NEXRAD coverage is not available to Navy/USMC activities. The SWR will provide real-time surveillance and advance warning of potentially severe weather phenomena that are developing near or moving towards USN and USMC units.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

FINANCIAL PLAN: ($ in millions)

	PY		FY 95		FY 96		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment					1	1.0	3	2.5			5	3.5											9	7.0
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interim Contractor Support																								
Installation of Hardware*	0	0.0	0	0.0	0	0.0	4	0.1	0	0.0	5	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9	0.2
PRIOR YR EQUIP																							0	0.0
FY 95 EQUIP																							0	0.0
FY 96 EQUIP							1	0.0															1	0.0
FY 97 EQUIP							3	0.1															3	0.1
FY 98 EQUIP																							0	0.0
FY 99 EQUIP											5	0.1											5	0.1
FY 00 EQUIP																							0	0.0
FY 01 EQUIP																							0	0.0
FY 02 EQUIP																							0	0.0
FY 03 EQUIP																							0	0.0
FY TC EQUIP																							0	0.0
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.1		0.0		0.1		0.0		0.0		0.0		0.0		0.0		0.2
TOTAL PROCUREMENT COST		0.0		0.0		1.0		2.6		0.0		3.6		0.0		0.0		0.0		0.0		0.0		7.2

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 2 MONTHS PROCUREMENT LEADTIME: 1 MONTH

CONTRACT DATES: FY 1996: Dec-96 FY 1997: Jun-97 FY 1998: FY 1999: Nov-98

DELIVERY DATES: FY 1996: Jun-97 FY 1997: Jul-97 FY 1998: FY 1999: Dec-98

INSTALLATION SCHEDULE:	PY	FY 95 1	FY 95 2	FY 95 3	FY 95 4	FY 96 1	FY 96 2	FY 96 3	FY 96 4	FY 97 1	FY 97 2	FY 97 3	FY 97 4	FY 98 1	FY 98 2	FY 98 3	FY 98 4	FY 99 1	FY 99 2	FY 99 3	FY 99 4
INPUT												1	3						4	1	
OUTPUT													1	3						3	2

INSTALLATION SCHEDULE:	FY 00 1	FY 00 2	FY 00 3	FY 00 4	FY 01 1	FY 01 2	FY 01 3	FY 01 4	FY 02 1	FY 02 2	FY 02 3	FY 02 4	FY 03 1	FY 03 2	FY 03 3	FY 03 4	TC	TOTAL
INPUT																		9
OUTPUT																		9

Sep-97

MODIFICATION TITLE: SP550 - AVIATION SAFETY SYSTEM UPGRADES (SHORE)
MODELS OF SYSTEMS AFFECTED:
DESCRIPTION/JUSTIFICATION: Aviation Safety System Upgrades are GOTS/COTS hardware and associated software upgrades to installed multi-agency procured safety of flight equipment, such as NEXRAD and ASOS, installed at 50 Navy and Marine Corps Air facilities worldwide.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES
FINANCIAL PLAN: ($ in millions)

	PY		FY 95		FY 96		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment											VAR	1.0	VAR	1.1	VAR	1.2	VAR	1.4	VAR	1.4	CONT		VAR	6.2
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interim Contractor Support																								
Installation of Hardware*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	50	0.1	50	0.1	50	0.1	50	0.1	50	0.1	0	0.0	250	0.5
PRIOR YR EQUIP																							0	0.0
FY 95 EQUIP																							0	0.0
FY 96 EQUIP																							0	0.0
FY 97 EQUIP																							0	0.0
FY 98 EQUIP																							0	0.0
FY 99 EQUIP											50	0.1											50	0.1
FY 00 EQUIP													50	0.1									50	0.1
FY 01 EQUIP															50	0.1							50	0.1
FY 02 EQUIP																	50	0.1					50	0.1
FY 03 EQUIP																			50	0.1			50	0.1
FY TC EQUIP																							0	0.0
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.0		0.0		0.1		0.1		0.1		0.1		0.1		0.0		0.5
TOTAL PROCUREMENT COST		0.0		0.0		0.0		0.0		0.0		1.1		1.2		1.3		1.5		1.5		0.0		6.7

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: VAR PROCUREMENT LEADTIME: VAR

CONTRACT DATES: FY 1996: FY 1997: FY 1998: FY 1999: VAR

DELIVERY DATES: FY 1996: FY 1997: FY 1998: FY 1999: VAR

INSTALLATION SCHEDULE:	PY	FY 95 1	FY 95 2	FY 95 3	FY 95 4	FY 96 1	FY 96 2	FY 96 3	FY 96 4	FY 97 1	FY 97 2	FY 97 3	FY 97 4	FY 98 1	FY 98 2	FY 98 3	FY 98 4	FY 99 1	FY 99 2	FY 99 3	FY 99 4
INPUT																		12	12	13	13
OUTPUT																		12	12	13	13

INSTALLATION SCHEDULE:	FY 00 1	FY 00 2	FY 00 3	FY 00 4	FY 01 1	FY 01 2	FY 01 3	FY 01 4	FY 02 1	FY 02 2	FY 02 3	FY 02 4	FY 03 1	FY 03 2	FY 03 3	FY 03 4	TC	TOTAL
INPUT	12	12	13	13	12	12	13	13	12	12	13	13	12	12	13	13		250
OUTPUT	12	12	13	13	12	12	13	13	12	12	13	13	12	12	13	13		250

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PRODUCTION SCHEDULE

(DOD EXHIBIT P-21A)

DATE: September 1997

APPROPRIATION/BUDGET ACTIVITY: OP,N - BA3 AVIATION SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: METEOROLOGICAL EQUIPMENT 422600

SUBHEAD NO.: 53SP

COST CODE	ITEM/MANUFACTURER	FY	SERV	PROC QTY	ACCEP PRIOR TO 1-Oct	BAL DUE AS OF 1-Oct	FISCAL YEAR 96												FISCAL YEAR 97												FISCAL YEAR 98											
							PY			CALENDAR YEAR 96												CALENDAR YEAR 97									CALENDAR YEAR 98											
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
SP115	MRS UPGRADES	96		60																A						53	7															
		97		68																	A						40	19		9												
SP500	SWR	96		1																	A						1															
		97		3																							A	1	1	1												
		99		5		5																																				

ITEM	Manufacturer's Name and Location	PRODUCTION RATE MSR	1-8-5	MAX	PROCUREMENT LEADTIMES ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure

NAVMAT FORM 7110/4 (REVISED 11/77)

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PRODUCTION SCHEDULE

(DOD EXHIBIT P-21A)

DATE
September 1997

APPROPRIATION/BUDGET ACTIVITY
OP,N - BA3 AVIATION SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE
METEOROLOGICAL EQUIPMENT 422600

SUBHEAD NO.
53SP

COST CODE	ITEM/MANUFACTURER/ PROCUREMENTY YEAR	FISCAL YEAR	CARRY OVER	FISCAL YEAR 99												FISCAL YEAR 00												FISCAL YEAR 01												LATER
				CY98			CALENDAR YEAR 99												CALENDAR YEAR 00												CALENDAR YEAR 01								
				OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SP500	SWR	99			A	1	1	1	1	1																														
				OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

ITEM	Manufacturer's Name and Location	PRODUCTION RATE MSR	1-8-5	MAX	PROCUREMENT LEADTIMES ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure

NAVMAT FORM 7110/4 (REVISED 11/77)

P-1 SHOPPING LIST
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CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: **September 1997**
APPROPRIATION/BUDGET ACTIVITY-3 **OTHER PROCUREMENT, NAVY/AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE **OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX**
Program Element for Code B Items: **BA 3 - AVIATION SUPPORT EQUIPMENT**	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	**65.8**		**0.8**	**0.7**	**0.7**	**0.8**	**0.6**	**0.6**	**0.6**	**0.6**	**0.7**	**CONT**	**CONT**

The Naval Air Systems Command is tasked to fund transition of CV photographic labs from traditional film technology to digital imagery technology, CNO Memo Ser 09B/2U2501983 of 23 Oct 92 applies. The CV main photographic lab supports the full visual imaging program afloat to include: Carrier Intelligence Center (CVIC) support (Bomb Damage Assessment (BDA) and target imagery), incidents and accidents at sea, medical media, copy and reproduction, investigation, aerial and surface surveillance, combat camera, safety, training and Public Affairs Office (PAO).

Electronic/digital imagery acquisition media is rapidly expanding (ATARS, TAMPS, JSIPS). It is imperative the CV photo lab be able to interface with the new electronic media. Hard copy imagery is required in the documentation of real world events (drug interdiction program, humanitarian relief efforts, shipboard and flight operational documentation). This imagery is used at all levels within DoD including CNO, SECNAV, JCS, National Military Command Center and the White House. Hard copy photographs are used in the decision making process by the Fleet and Battle Group Commanders and directly impacts the overall Navy mission. Digital imagery can be quickly disseminated via shipboard communication systems to support decision makers at the local, theater, and global levels (CVBG, CINC and JCS).

Digital technology will generate less environmentally damaging effluents, and have no impact on shipboard water consumption currently used in traditional photographic processes. Electronic imaging is less manpower intensive and requires less maintenance and overall support resources than traditional mechanical hardware.

In order to fully utilize the film technology employed on CV's, a two phase transition plan will be implemented. An interim photo lab was installed to interface with existing film technology which will allow the CV to maintain 100% mission capability until final digital installation. LANT and PAC deployment schedules and pier-side availability determine the installation schedule. Phase II digital capability began in late FY95/early 96, to be completed in FY03.

Digital Photo Lab Phase I includes one hard-mounted electronic work station, one portable backup workstation, one high capacity digital printer, three digital hand-held cameras, and the software to run this equipment. Digital Photo Lab Phase II adds DPL Phase II workstations (comprised of two hard-mounted electronic work stations and one portable backup workstation), one large format digital printer, one high resolution printer, a LAN server to tie them together, eight digital color cameras, and some miscellaneous small equipments/software required to tie Phase I and Phase II labs together. Phase I equipment installations were completed in CY95, Phase II is funded beginning FY95 and beyond the FYDP.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS
P-40a

DATE: **September 1997**

APPROPRIATION/BUDGET ACTIVITY-3
OTHER PROCUREMENT, NAVY/AVIATION SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE
OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX

Procurement Items (In Thousands)	ID Code	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
Digital Color Printer												**CONT**	**CONT**
Quantity		0	0	2	5	0	0	0	0	0	0		
Funding		0	0	132	136	0	0	0	0	0	0		
Electronic Workstation													
Quantity		0	0	1	1	2	2	1	1	1	1		
Funding		0	0	136	140	280	280	145	150	151	152		
Digital SLR Color Camera													
Quantity		0	0	0	0	10	3	6	10	11	14		
Funding		0	0	0	0	266	78	148	245	262	270		
Other Costs		65,821	805	434	434	259	278	328	241	235	241		
Total P-1 Funding		65,821	805	702	710	805	636	621	636	648	663		

DD Form 2454, JUN 86

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CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System		DATE: **September 1997**
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT NAVY** **BA-3 - AVIATION SUPPORT EQUIPMENT**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **OTHER PHOTOGRAPHIC EQUIPMENT Y3SX**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SX008	PHOTO EQUIPMENT UNDER $100K	A							142			159			11			11
SX019	DIGITAL COLOR PRINTER	A					2	66	132	5	27	135			0			0
SX020	ELECTRONIC WORKSTATION SYSTEM	A					1	136	136	1	140	140	2	140	280	2	140	280
SX021	DIGITAL SLR COLOR CAMERA	A							0			0	10	27	270	3	26	78
SX830	PRODUCTION ENGINEERING & LOGISTICS SUPPORT	A				468			42			129			90			54
SX900	INSTALLATION (NON-FMP)	A				337			250			147			154			213
	VARIOUS OTHER COSTS, FY 94 & PRIOR *		65,821															
			65,821			**805**			**702**			**710**			**805**			**636**

* The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 1995 and beyond.

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE September 1997
B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT NAVY BA 3 - AVIATION SUPPORT EQUIPMENT	C. P-1 ITEM NOMENCLATURE OTHER PHOTOGRAPHIC EQUIPMENT	SUBHEAD Y3SX

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
DIGITAL COLOR PRINTER										
FY 1996	2	66*	NRAD, Philadelphia	Apr-96	C/MIPR/FP	XEROX, McLean, VA	Jun-96	Sep-96	YES	N/A
FY 1997	5	27.2*	NRAD, Philadelphia	Apr-97	C/MIPR/FP	TBD	Jun-97	Sep-97	YES	N/A
ELECTRONIC WORK-STATION SYSTEMS										
FY 1996	1	136.0	NRAD, Philadelphia	Apr-96	C/MIPR/FP	JE Cuesta, Philadelphia, PA	Jun-96	Sep-96	YES	N/A
FY 1997	1	140.0	NRAD, Philadelphia	Apr-97	C/MIPR/FP	TBD	Jun-97	Sep-97	YES	N/A
FY 1998	2	140.0	NRAD, Philadelphia	Apr-98	C/MIPR/FP	TBD	Jun-98	Sep-98	YES	N/A
FY 1999	2	140.0	NRAD, Philadelphia	Apr-99	C/MIPR/FP	TBD	Jun-99	Sep-99	YES	N/A
DIGITAL SLR COLOR CAMERA										
FY 1998	10	26.6	NRAD, Philadelphia	Apr-98	C/MIPR/FP	TBD	Jun-98	Sep-98	YES	N/A
FY 1999	3	25.9	NRAD, Philadelphia	Apr-99	C/MIPR/FP	TBD	Jun-99	Sep-99	YES	N/A

D. REMARKS

* Variance in unit cost due to two different types of printers being procured.

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21				DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **Aircraft Procurement, Navy/Aviation Support Equipment/BA-3**		Weapon System		P-1 ITEM NOMENCLATURE **OTHER PHOTOGRAPHIC EQUIP - Y3SX**

Item	Manufacturer's Name and Location	Production Rate MSR	1-8-5	MAX	Procurement Leadtimes ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
Digital Color Printer	XEROX, McLean, VA		N/A			8	3		11	E
Electronic Workstation System	TBD		N/A			8	3		11	E
Digital SLR Color Camera	TBD		N/A			8	3		11	E

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997												CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Digital Color Printer	96		2	2	0																									
Digital Color Printer	97		5	0	5									A			5													0
Electronic Workstation Systems	96		1	1	0																									
Electronic Workstation Systems	97		1	0	1									A			1													0
Electronic Workstation Systems	98		2	0	2																					A			2	0
Digital SLR Color Camera	98		10	0	10																					A			10	0

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999												CALENDAR YEAR 2000									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Electronic Workstation Systems	99		2	0	2									A			2													0
Digital SLR Color Camera	99		3	0	3									A			3													0

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: CVs, CVNs, CNET, PNCLA TYPE MODIFICATION: MODIFICATION TITLE: Digital Photo Lab (Phase II)

DESCRIPTION/JUSTIFICATION:

Fund transition CV/CVN Photo Lab from traditional "wet" film to digital imagery. Phase II provides additional systems and capabilities above Phase I suites.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: (Phase I completed FY 95)

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN THOUSANDS)																								
RDT&E																							0	0
PROCUREMENT																								
INSTALLATION KITS	2	391			1	410	1	435	2	557	2	369	1	325	1	424	1	431	1	449			12	3,791
INSTALLATION KITS - UNIT COST						410		435		279		185		325		424		431		449				
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
FIELD ACTIVITY SUPPORT				468		42		128		94		54		76		99		100		93				1,154
OTHER																								
OTHER																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST				337		250		147		154		213		220		113		117		121				1,672
TOTAL PROCUREMENT		391		805		702		710		805		636		621		636		648		663				6,617

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: CVs, CVNs, CNET, PNCLA MODIFICATION TITLE: Digital Photo Lab (Phase II)

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION:
ADMINISTRATIVE LEADTIME: 3 Months PRODUCTION LEADTIME: 3 Months
CONTRACT DATES: FY 1997: June 97 FY 1998: June 98 FY 1999: Jun 99
DELIVERY DATE: FY 1997: Sep 97 FY 1998: Sep 98 FY 1999: Sep 99

($ in Thousands)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																							0	.000
FY 1995 EQUIPMENT			2	.337																			2	.337
FY 1996 EQUIPMENT					1	.250																	1	.250
FY 1997 EQUIPMENT							1	.147															1	.147
FY 1998 EQUIPMENT									2	.154													2	.154
FY 1999 EQUIPMENT											2	.213											2	.213
FY 2000 EQUIPMENT													1	.220									1	.220
FY 2001 EQUIPMENT															1	.113							1	.113
FY 2002 EQUIPMENT																	1	.117					1	.117
FY 2003 EQUIPMENT																			1	.121			1	.121
TO COMPLETE																							0	.000

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	3	0	0	0	1	0	0	0	2	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	12
Out	3	0	0	0	1	0	0	0	2	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	12

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/Aviation Support Equipment**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX**	Admin Leadtime (after Oct1): **8 mos**	Prod Leadtime : **3 mos**

Digital Color Printer	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**2**	**5**	**0**	**0**	**0**	**0**	**0**	**0**
Unit Cost	**66**	**27**	**0**	**0**	**0**	**0**	**0**	**0**
Total Cost	**132**	**136**	**0**	**0**	**0**	**0**	**0**	**0**
Asset Dynamics								
Beginning Asset Position	0	2	7	7	7	7	7	7
Deliveries from all prior year funding	2	0	0	0	0	0	0	0
Deliveries from FY 1997 funding	0	5	0	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	0	0	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	0	0	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	0	0	0
Other Gains	0	0	0	0	0	0	0	0
Combat Losses/Usage	0	0	0	0	0	0	0	0
Training Losses/Usage	0	0	0	0	0	0	0	0
Test Losses/Usage	0	0	0	0	0	0	0	0
Other Losses/Usage	0	0	0	0	0	0	0	0
Disposals/Retirements/Attritions/etc.	0	0	0	0	0	0	0	0
End of Year Asset Position	2	7	7	7	7	7	7	7
Inventory Objective or Current Authorized Allowance	15	15	15	15	15	15	15	15

Inventory Objective 15	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other: 15	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

Inventory objective of 15 equals:

One printer per CV/CVN (1*12)	12
One printer each at three shore stations (1*3)	3
	15

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/Aviation Support Equipment**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX**	Admin Leadtime (after Oct1): **8 mos**	Prod Leadtime : **3 mos**

Electronic Workstation System	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**1**	**1**	**2**	**2**	**1**	**1**	**1**	**1**
Unit Cost	**136**	**140**	**140**	**140**	**145**	**150**	**151**	**152**
Total Cost	**136**	**140**	**280**	**280**	**145**	**150**	**151**	**152**
Asset Dynamics								
Beginning Asset Position	25	26	27	29	31	32	33	34
Deliveries from all prior year funding	1	0	0	0	0	0	0	0
Deliveries from FY 1997 funding	0	1	0	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	2	0	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	2	0	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	1	1	1	1
Other Gains	0	0	0	0	0	0	0	0
Combat Losses/Usage	0	0	0	0	0	0	0	0
Training Losses/Usage	0	0	0	0	0	0	0	0
Test Losses/Usage	0	0	0	0	0	0	0	0
Other Losses/Usage	0	0	0	0	0	0	0	0
Disposals/Retirements/Attritions/etc.	0	0	0	0	0	0	0	0
End of Year Asset Position	26	27	29	31	32	33	34	35
Inventory Objective or Current Authorized Allowance	54	54	54	54	54	54	54	54

Inventory Objective 54	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other: 54	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

Inventory objective equals:

Four workstations per CV/CVN (4*12)	48
Two each for three shore stations (2*3)	6
	54

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/Aviation Support Equipment**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX**	Admin Leadtime (after Oct1): **8 mos**	Prod Leadtime : **3 mos**

Digital SLR Color Camera	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**0**	**0**	**10**	**3**	**6**	**10**	**11**	**14**
Unit Cost	**0**	**0**	**27**	**26**	**25**	**25**	**24**	**19**
Total Cost	**0**	**0**	**266**	**78**	**148**	**245**	**262**	**270**
Asset Dynamics								
Beginning Asset Position	64	64	64	63	55	50	49	49
Deliveries from all prior year funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 funding	0	0	0	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	10	0	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	3	0	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	6	10	11	14
Other Gains	0	0	0	0	0	0	0	0
Combat Losses/Usage	0	0	0	0	0	0	0	0
Training Losses/Usage	0	0	0	0	0	0	0	0
Test Losses/Usage	0	0	0	0	0	0	0	0
Other Losses/Usage	0	0	0	0	0	0	0	0
Disposals/Retirements/Attritions/etc.	0	0	11	11	11	11	11	9
End of Year Asset Position	64	64	63	55	50	49	49	54
Inventory Objective or Current Authorized Allowance	108	108	108	108	108	108	108	108

Inventory Objective 108	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other: 108	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

Inventory objective equals:
Nine cameras per CV/CVN (9*12) 108

BUDGET ITEM JUSTIFICATION SHEET
P-40

DATE: **September 1997**

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY

P-1 ITEM NOMENCLATURE
AVIATION LIFE SUPPORT SYSTEMS

Program Element for Code B Items:
BA 3 AVIATION SUPPORT EQUIPMENT

Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	$93.6		$12.1	$14.9	$8.9	$15.3	$22.8	$26.5	$29.5	$30.1	$30.7	Cont.	Cont.

This account provides for the acquisition, upgrade, and production support of aviation life support systems required for the personal safety and protection of aircrew against the hazards encountered in the aircraft operating environment and for safe recovery of downed aircrew.

PRC-125 - SY010
-A Search and Rescue Wet Swimmer's Radio that provides a hands-off communications link to the Rescue helicopter. IO is 1,180. Procurements are planned in FY 98 and FY99. 785 radios were procured in prior years.

KY-913 PROGRAM LOADER (PRC-112) - SY020
- Loads the pilot's and aircrew's identification code and preprogrammed frequencies into the PRC-112 radio. I.O. is 193. Previously procured in FY91-93. Procurement in FY97.

SURVIVAL RADIO - SY030
-The next generation non-combat survival radio which will replace the PRC-90 and PRC-90-2. IO is 20,000. Procurement commences in FY 98.

PRC-112 UPGRADES - SY048
- Program to fix water intrusion and frequency problems in the basic PRC-112 radio. I.O. is 3676. Procurement started in FY97.

COMBAT SURVIVOR EVADER LOCATOR - SY060
-(Joint Program, Air Force lead) A satellite and communications interface system that will be used by forward deployed aircrews for geopositioning and communications relay. IO is 9,000. Procurement of this new item commences in FY 98.

BUDGET ITEM JUSTIFICATION SHEET
P-40

DATE: **September 1997**

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY

P-1 ITEM NOMENCLATURE
AVIATION LIFE SUPPORT SYSTEMS

Program Element for Code B Items:
BA 3 AVIATION SUPPORT EQUIPMENT

Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	$93.6		$12.1	$14.9	$8.9	$15.3	$22.8	$26.5	$29.5	$30.1	$30.7	Cont.	Cont.

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BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**	P-1 ITEM NOMENCLATURE **AVIATION LIFE SUPPORT SYSTEMS**
Program Element for Code B Items: **BA 3 AVIATION SUPPORT EQUIPMENT**	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	$93.6		$12.1	$14.9	$8.9	$15.3	$22.8	$26.5	$29.5	$30.1	$30.7	Cont.	Cont.

LASER EYE PROTECTION-SY080
-(Joint Program, Navy lead) Laser Eye Protection which is both day and night capable and compatible with new TACAIR and helicopter helmets to protect against existing and projected laser threats. IO is 7,800. Procurement commences in FY 97.

CWU-60/P-SY100
-An exposure suit for Carrier On-Board Delivery/Vertical On-Board Delivery (COD/VOD) aircrew. IO is 4,350. Procurements are planned in FY 96 and FY 97.

HELICOPTER EMERGENCY EGRESS DEVICE P3I(HEED P3I)-SY110
-An improved and smaller device than the current HEED. Provides improved performance, reliability, maintainability, and compatibility with aircrew life support and personal protective equipment. IO is 6,000. Procurements are planned in FY 96 and FY 97.

AIRCREW INTEGRATED SURVIVAL/ARMOR PROTECTION (AISAP)-SY120.
-An optimized vest/armor system with modularity for the mission specific requirements of combat helicopter aircrews. IO is 3,568. Procurements are planned in FY 96 through FY 99.

PASSENGER AND TROOP SURVIVAL SYSTEM (PATSS)-SY130
-A system developed to provide personal flotation that is compatible with other protective, survival and combat equipment. IO is 8,652. Procurements are planned in FY 98 and FY 99.

PASSENGER ANTI-EXPOSURE SURVIVAL SYSTEM (PAESS)-SY140
-Provides an easily donned reusable anti-exposure system which will prolong survival time in cold water and increase chances of a successful rescue at sea for passengers. IO is 2,100. Procurements are planned in FY 96 and FY 98.

MINI-RAFT BACK PACK-SY150
-Constant wear emergency flotation platform for helicopter aircrewman. IO is 5,900. Procurements commenced in FY 96.

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**	P-1 ITEM NOMENCLATURE **AVIATION LIFE SUPPORT SYSTEMS**
Program Element for Code B Items: **BA 3 AVIATION SUPPORT EQUIPMENT**	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	$93.6		$12.1	$14.9	$8.9	$15.3	$22.8	$26.5	$29.5	$30.1	$30.7	Cont.	Cont.

NAVY COMBAT EDGE-SY170
-This is a Congressional interest program. An integrated aircrew flight ensemble which provides significant G protection by an extended coverage lower anti-G garment used with regulated positive pressure breathing balanced by an upper torso counterpressure vest. This system is an adaptation to the USAF Combat Edge system to make it compatible with USN/USMC aircraft and aircrews. IO is 1,821. Procurements are planned in FY 96 through FY 01.

AMELIA-SY175
-This is a Congressional interest program. An integrated aircrew flight ensemble which provides small and large aviators, including females, with new and/or upgraded systems to ensure safe and effective performance in Naval aircraft. IO is 1,200. Procurements commence in FY 98.

NIGHT VISION DEVICES -SY210
-Night Vision Devices (NVD) are used by Rotary Wing, Fixed Wing, and TACAIR platforms as a situational awareness enhancement for night operations and are critical to mission success. IO is 1,000, Procurement of this item commences in FY 97. Included in the initial FY 97 procurement is peculiar support equipment.

LOW PROFILE FLOTATION COLLAR-SY220.
-A flotation device for aircrews that is less bulky and better integrates with existing life support equipment aircrew stations. IO is 10,700. Procurement of this item commences in FY 97.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS
P-40a

DATE: **September 1997**

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY, BA 3 AVIATION SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE
AVIATION LIFE SUPPORT SYSTEMS 43SY

Procurement Items	ID Code	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
PRC-125	A												
TOTAL COST ($K)		226	0	0	0	396	220	213	0	0	0	0	1055
QUANTITY		785	0	0	0	198	100	97					1180
KY-913	A												
TOTAL COST ($K)		755	0	0	100	0	0	0	0	0	0	0	855
QUANTITY		392	0	0	50	0	0	0	0	0	0	0	442
SURVIVAL RADIO	B												
TOTAL COST ($K)		0	0	0	0	300	630	950	4309	5701	3447	2546	17883
QUANTITY						250	600	1000	4787	6704	3830	2829	20000
PRC-112 P3I (GPS)	A												
TOTAL COST ($K)		0	3513	0	0	0	0	0	0	0	0	0	3513
QUANTITY			500										500
PRC-112 P3I INTERROG.	A												
TOTAL COST ($K)		0	0	595	0	0	0	0	0	0	0	0	595
QUANTITY				12									12
PRC-112 UPGRADES	A												
TOTAL COST ($K)		0	0	0	419	500	0	0	0	0	0	0	919
QUANTITY					1676	2000							3676
COMBAT SURV.													
EVADER LOCATOR													
TOTAL COST ($K)		0	0	0	0	4165	10997	14999	15403	6187	0	0	51751
QUANTITY						595	1896	2727	2800	982			9000
LASER EYE PROTECT.	B												
TOTAL COST ($K)		0	0	0	448	700	379	1477	2246	2400	1904	116	9670
QUANTITY					320	823	217	845	1,871	2,000	1,587	137	7800

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS
P-40a

DATE: **September 1997**

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY, BA 3 AVIATION SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE
AVIATION LIFE SUPPORT SYSTEMS 43SY

Procurement Items	ID Code	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
CWU-60/P	A												
TOTAL COST ($K)		0	0	2980	65	0	0	0	0	0	0	0	3045
QUANTITY				4257	93								4350
HEED P3I	A												
TOTAL COST ($K)		0	0	2172	150	0	0	0	0	0	0	0	2322
QUANTITY				5409	591								6000
AISAP (BODY ARMOR)	A												
TOTAL COST ($K)		0	1239	1043	0	1733	378	0	0	0	0	0	4393
QUANTITY			850	841		1575	302						3568
PATSS	A												
TOTAL COST ($K)		0	0	787	0	510	401	0	0	0	0	0	1698
QUANTITY				4238		2551	1863						8652
PAESS	A												
TOTAL COST ($K)		0	673	682	0	553	0	0	0	0	0	0	1908
QUANTITY			450	1000		650							2100
EXTREME COLD	A												
WEATHER SURVIV. KIT													
TOTAL COST ($K)		0	0	301	0	0	0	0	0	0	0	0	301
QUANTITY				147									147
MINI-RAFT BACKPACK	A												
TOTAL COST ($K)		0	0	591	44	590	200	0	616	616	0	0	2657
QUANTITY				978	80	1475	285	0	1541	1541			5900
NAVY COMBAT EDGE	B												
TOTAL COST ($K)		0	0	1108	663	1720	948	1916	1492	0	0	0	7847
QUANTITY				155	147	430	237	479	373				1821

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS
P-40a

DATE: **September 1997**

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY, BA 3 AVIATION SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE
AVIATION LIFE SUPPORT SYSTEMS 43SY

Procurement Items	ID Code	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
AMELIA	A												
TOTAL COST ($K)		0	0	0	0	425	300	169	0	0	0	0	894
QUANTITY						500	400	300					1200
NIGHT VISION DEVICES	A												
TOTAL COST ($K)		0	0	0	1939	1566	3670	357	0	0	0	0	7532
QUANTITY					197	216	536	51					1000
LOW PROFILE	A												
FLOTATION COLLAR													
TOTAL COST ($K)		0	0	0	702	0	1065	2121		0	0	0	3888
QUANTITY					2161		2950	5589					10700
AIRCREW COOLING													
TOTAL COST ($K)		0	0	0	0	0	0	0	608	1579	2195	1709	6091
QUANTITY		0	0	0	0	0	0	0	608	1974	2927	2278	7787
AIR WARRIOR													
TOTAL COST ($K)		0	0	0	0	0	0	0	0	3946	9156	15278	28380
QUANTITY		0	0	0	0	0	0	0	0	710	1907	3183	5800
TACAIR WARRIOR													
TOTAL COST ($K)		0	0	0	0	0	0	0	0	4750	9052	16918	30720
QUANTITY		0	0	0	0	0	0	0	0	791	1676	3133	5600
OTHER COSTS		92,600	6,650	4,676	4,382	2,187	3,634	4,306	4,792	4,877	4,995	CONT.	CONT.
TOTAL FUNDING		93,581	12,075	14,935	8,912	15,345	22,822	26,508	29,466	30,056	30,749	CONT.	CONT.

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System		DATE: Sep-97
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA 3 AVIATION SUPPORT EQUIPMENT**	ID Code	35582 **AVIATION LIFE SUPPORT SYSTEMS 43SY**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SY010	PRC-125	A	226	0		0	0		0	0		0	198	2,000	396	100	2,200	220
SY020	KY-913 PROGRAM LOADER (PRC-112)	A	755	0		0	0		0	50	2,000	100	0		0	0		0
SY030	SURVIVAL RADIO	B	0	0		0	0		0	0		0	250	1,200	300	600	1,050	630
SY045	PRC-112 P3I (GPS)	A	0	500	7,025	3,513	0		0	0		0	0		0	0		0
SY046	PRC-112 P3I (GPS) INTERROGATOR	A	0	0		0	12	49,583	595	0		0	0		0	0		0
SY048	PRC-112 UPGRADES	A	0	0		0	0		0	1,676	250	419	2,000	250	500	0		0
SY060	COMBAT SURVIVOR EVADER LOCATOR	B	0	0		0	0		0	0		0	595	7,000	4,165	1,896	5,800	10,997
SY080	LASER EYE PROTECTION	B	0	0		0	0		0	320	1,400	448	823	850	700	217	1,747	379
SY100	CWU-60/P	A	0	0		0	4,257	700	2,980	93	700	65	0		0	0		0
SY110	HEED P3I	A	0	0		0	5,409	254	2,172	591	254	150	0		0	0		0
SY120	AISAP (BODY ARMOR)	A	0	850	1,458	1,239	841	1,240	1,043	0		0	1,575	1,100	1,733	302	1,250	378
SY130	PATSS	A	0	0		0	4,238	200	787	0		0	2,551	200	510	1,863	215	401
SY140	PAESS	A	0	450	1,496	673	1000	682	682	0		0	650	850	553	0		0
SY145	EXTREME COLD WEATHER SURVIVAL KIT	A	0	0		0	147	2,045	301	0		0	0		0	0		0
SY150	MINI-RAFT BACKPACK	A	0	0		0	978	680	591	80	550	44	1,475	400	590	285	700	200
SY170	NAVY COMBAT EDGE	B	0	0		0	155	4,000	1,108	147	4,500	663	430	4,000	1,720	237	4,000	948
SY175	AMELIA	A	0	0		0	0		0	0		0	500	850	425	400	750	300
SY210	NIGHT VISION DEVICES	A	0	0		0	0		0	197	9,845	1,939	216	7,250	1,566	536	6,847	3,670
SY220	LOW PROFILE FLOTATION COLLAR	A	0	0		0	0		0	2,161	324	702	0		0	2,950	360	1,065
SY000	MISCELLANEOUS **Var 1/**	A	92,600			4,889												
SY830	PRODUCTION SUPPORT SERVICES					1761			4,677			4,382			2,187			3,634
			93,581			12,075			14,935			8,912			15,345			**22,822**

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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UNCLASSIFIED

Var /1 The amount identified against this cost element reflects prior year funding associated with cost elements no longer financed in FY 1995 & beyond.

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System		DATE: Sep-97
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA 3 AVIATION SUPPORT EQUIPMENT**	ID Code	P-1 ITEM NOMENCLAT 35582 **AVIATION LIFE SUPPORT SYSTEMS 43SY**	

COST CODE	ELEMENT OF COST	FY 2000			FY 2001			FY 2002			FY 2003			To Complete		Total	
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost
SY010	PRC-125	97	2,200	213										0	0	1,180	1,055
SY030	SURVIVAL RADIO	1,000	950	950	4,787	900	4,309	6,704	850	5,701	3,830	900	3,447	2,829	2,546	20,000	17,883
SY060	COMBAT SURVIVOR EVADER LOCATOR	2,727	5,500	14,999	2,800	5,500	15,403	982	6,300	6,187	0		0	0	0	9,000	51,751
SY080	LASER EYE PROTECTION	845	1,747	1,477	1,871	1,200	2,246	2,000	1,200	2,400	1,587	1,200	1,904	137	116	7,800	9,670
SY150	MINI-RAFT BACKPACK	0	0	0	1,541	400	616	1,541	400	616	0		0	0	0	5,900	2,657
SY170	NAVY COMBAT EDGE	479	4,000	1,916	373	4,000	1,492	0		0	0		0	0	0	1,821	7,847
SY175	AMELIA	300	564	169	0		0	0		0	0		0	0	0	1,200	894
SY180	AIRCREW COOLING	0	0	0	608	1,000	608	1,974	800	1,579	2,927	750	2,195	2,278	1,709	7,787	6,091
SY190	AIR WARRIOR (ROTARY WING)	0		0	0		0	710	5,550	3,946	1,907	4,800	9,156	3,183	15,278	5,800	28,380
SY200	TACAIR WARRIOR	0		0	0		0	791	6,005	4,750	1,676	5,400	9,052	3,133	16,918	5,600	30,720
SY210	NIGHT VISION DEVICES	51	7,000	357										0	0	1,000	7,532
SY220	LOW PROFILE FLOTATION COLLAR	5,589	380	2,121	0		0	0		0	0		0	0	0	10,700	3,888
SY830	PRODUCTION SUPPORT SERVICES			4,306			4,792			4,877			4,995		CONT.	CONT.	CONT.
				26,507			29,466			30,057			30,749		CONT.		CONT.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE September 1997

B. APPROPRIATION/BUDGET ACTIVITY	C. P-1 ITEM NOMENCLATURE	SUBHEAD 35582
Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT	AVIATION LIFE SUPPORT SYSTEMS	43SY

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SY010										
PRC-125										
FY-1998	198	2	DESC, COLUMB.,OH	10/97	C/FP	TBD	06/98	06/99	YES	N/A
FY-1999	100	2.2	DESC, COLUMB.,OH		OPTION	TBD	02/99	02/00		
SY020										
KY-913 PROGRAMMER										
FY-1997	50	2	ARMY, TOBY., PA	05/96	OPTION	MOTOROLA	08/97	08/98	YES	N/A
SY030										
SURVIVAL RADIO										
FY-1998	250	1.2	NAWC, PAX	10/97	C/FP	TBD	05/98	05/99	YES	N/A
FY-1999	600	1.05	NAWC, PAX	N/A	OPTION	TBD	02/99	02/00		
SY048										
PRC-112 UPGRADES										
FY-1997	1676	0.25	US ARMY, TOBY.	N/A	MIPR	US ARMY, TOBYHANNA	04/97	04/98	YES	N/A
FY-1998	2000	0.25	US ARMY, TOBY.			US ARMY, TOBYHANNA	04/98	04/99		

D. REMARKS

SY048 - UPGRADE PERFORMED BY ARMY DEPOT.

SY060 - FY97 PROCUREMENT IS FOR LASER SPECTACLES, FY98-99 IS FOR LASER VISORS.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE September 1997

B. APPROPRIATION/BUDGET ACTIVITY	C. P-1 ITEM NOMENCLATURE	SUBHEAD 35582
Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT	AVIATION LIFE SUPPORT SYSTEMS	43SY

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SY060										
COMBAT SURVIVOR										
EVADER LOCATOR										
FY-1998	595	7	USAF	10/97	C/FP	BOEING	05/98	05/99	YES	N/A
FY-1999	1896	5.8	USAF		OPTION	BOEING	10/98	09/99	YES	N/A
SY080										
LASER EYE PROTECTION										
FY-1997 (SPECS)	320	1.4	NAWC PAX RIVER	03/96	C/FP	KAISER, CA (SPECS)	10/96	11/97	YES	N/A
FY-1998 (SPECS)	823	0.85	NAWC PAX RIVER		OPTION	KAISER, CA (SPECS)	10/97	05/98		
FY-1999 (VISORS)	217	1.747	NAWC PAX RIVER	03/96	C/FP	AOTEC, MASS (VISORS)	10/98	12/98	YES	N/A
SY100										
CWU-60/P										
FY-1997	93	0.7	NAVICP, PHIL		OPTION	MUSTANG, WA	06/97	09/98	YES	N/A
SY110										
HEED										
FY-1997	591	0.254	NAWC PAX RIVER	05/97	SS	US DIVERS/AQUA-LUNG, CA	06/97	02/98	YES	N/A

D. REMARKS

SY080 - FY97 PROCUREMENT IS FOR LASER SPECTACLES, FY98-99 IS FOR LASER VISORS.

SY100, SY110: MULTIPLE FY96 LINES REFLECT NAVCOMPT DIRECTION TO USE FUNDING LEFT OVER FROM CANCELLED SY045 (FY96) PROCUREMENT TO FUND FY97 REQUIREMENT (IF THE ITEM WAS ALSO PROCURED IN FY96).

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE September 1997

B. APPROPRIATION/BUDGET ACTIVITY	C. P-1 ITEM NOMENCLATURE	SUBHEAD 35582
Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT	AVIATION LIFE SUPPORT SYSTEMS	43SY

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SY120										
AISAP (ARMOR)										
FY-1998	1575	1.1	DPSC, PHIL	02/97	C/FP	TBD	12/97	07/98	YES	N/A
FY-1999	302	1.25	DPSC, PHIL		OPTION		10/98	03/99		
SY130										
PATSS										
FY-1998	2551	0.2	NAVICP, PHIL		OPTION	TBD	04/98	02/99		
FY-1999	1863	0.2	NAVICP, PHIL		OPTION	TBD	01/99	10/99		
SY140										
PAESS										
FY-1998	650	0.85	DPSC, PHIL	10/97	C/FP	TBD	04/98	10/98	YES	N/A
SY150 MINI-RAFT BKPK										
FY-1997	80	0.55	NAVICP, PHIL	05/97	OPTION		03/97	03/98		
FY-1998	1475	0.4	NAVICP, PHIL		OPTION		01/98	10/98		
FY-1999	285	0.7	NAVICP, PHIL		OPTION		10/98	08/99		

D. REMARKS

SY120, SY130, SY140, SY150: MULTIPLE FY96 LINES REFLECT NAVCOMPT DIRECTION TO USE FUNDING LEFT OVER FROM CANCELLED SY045 (FY96) PROCUREMENT TO FUND FY97 REQUIREMENT (IF THE ITEM WAS ALSO PROCURED IN FY96).

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE September 1997
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT	C. P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS	SUBHEAD 35582 43SY

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SY170										
NAVY COMBAT EDGE										
FY-1997	147	4.5	USAF/NAVICP, PHIL		OPTION		09/97	09/98	YES	N/A
FY-1998	430	4	USAF/NAVICP, PHIL		OPTION		01/98	01/99		
FY-1999	237	4	USAF/NAVICP, PHIL		OPTION		10/98	10/99		
SY175										
AMELIA										
FY-1998	500	0.85	DPSC, PHIL	10/97	C/FP	TBD	04/98	10/98	NO	10/97
FY-1999	400	0.75	DPSC, PHIL	10/98	C/FP	TBD	10/98	08/99	NO	10/99
SY210										
NIGHT VISION DEVICES										
FY-1997	197	9.845	US ARMY		OPTION	ITT, ROANOKE, VA	05/97	12/97	YES	N/A
FY-1998	216	7.25	US ARMY		OPTION	ITT, ROANOKE, VA	01/98	09/98		
FY-1999	536	6.847	US ARMY		OPTION	ITT, ROANOKE, VA	10/98	04/99		
SY220										
LOW PROFILE FLOTA-TION COLLAR										
FY-1997	1500	0.324	NAWC CHINA LAKE, CA	09/96	C/FP	SEI, ASHVILLE, NC	03/97	10/97	YES	N/A
FY-1997	661	0.324	NAWC CHINA LAKE, CA		OPTION	SEI, ASHVILLE, NC	08/97	04/98		
FY-1999	2950	0.36	NAWC CHINA LAKE, CA		OPTION	SEI, ASHVILLE, NC	10/98	04/99		

SY210 - FY97 TOTAL INCLUDES $100K FOR PROCUREMENT OF 50 TEST SETS.

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21												DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**						Weapon System						P-1 ITEM NOMENCLATURE AVIATION
			Production Rate			Procurement Leadtimes						
Item	Manufacturer's Name and Location		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure	
SY010, PRC-125	TBD		20	30	80	7	7	12	12	19	months	
SY020, KY-913 Programmer	Motorola, Arizona		30	50	100	7	7	12	12	19	months	
SY030, Survival Radio	TBD		40	100	200	7	7	12	12	19	months	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
									CALENDAR YEAR 1997												CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY010 PRC-125/ TBD	98	N	198	0	198																					A				198
	99	N	100	0	100																									100
SY020, KY-913/MOTOROLA	97	N	50	0	50											A												30	20	0
SY030, SURVIVAL RADIO/TBD	98	N	250	0	250																				A					250
	99	N	600	0	600																									600

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
									CALENDAR YEAR 1999												CALENDAR YEAR 2000									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY010, PRC-125/ TBD	98	N	198	0	198									50	50	50	48													0
	99	N	100	0	100					A												30	30	30	10					0
SY030, SURVIVAL RADIO/TBD	98	N	250	0	250								50	50	50	50	50													0
	99	N	600	0	600					A												75	75	75	75	75	75	75	75	0

Remarks:

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21											DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**						Weapon System					P-1 ITEM NOMENCLATURE AVIATION
		Production Rate			Procurement Leadtimes						
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure	
SY048, PRC-112 Upgrades	US Army, Tobyhanna Depot	30	200	400	3	3	12	12	15	months	
SY060, Combat Surv. Evad. Loc.	TBD	200	500	1000	7	7	12	8	19	months	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
									CALENDAR YEAR 1997												CALENDAR YEAR 1998								
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY048, PRC-112 Upgrades/ US Army	97	N	1676	0	1676							A												140	140	140	140	140	140	836
	98	N	2000	0	2000																			A						2000
SY060, Combat Sur. Ev. Loc./Boeing	98	N	595	0	595																				A					595
	99	N	1896	0	1896																									1896

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
									CALENDAR YEAR 1999												CALENDAR YEAR 2000								
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY048, PRC-112 Upgrades/US Army	97	N	1676	840	836	140	140	140	140	140	136																			0
	98	N	2000	0	2000							167	167	167	167	167	167	167	167	167	167	167	163							0
SY060, Combat Sur. Ev. Loc./Boeing	98	N	595	0	595								145	150	150	150														0
	99	N	1896	0	1896	A											158	158	158	158	158	158	158	158	158	158	158	158		0

Remarks:

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21												DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**							Weapon System					P-1 ITEM NOMENCLATURE AVIATION
			Production Rate			Procurement Leadtimes						
Item	Manufacturer's Name and Location		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure	
SY080, Laser Eye Protection	Kaiser, CA (Spectacles)		20	50	400	7	7	12	7	19	months	
SY080, Laser Eye Protection	AOTEC, MA (Visors)		25	50	400	7	7	12	7	19	months	
SY100, CWU-60/P	Mustang, WA		50	300	400	7	7	6	6	13	months	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
									CALENDAR YEAR 1997												CALENDAR YEAR 1998								
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY080 Laser Eye Prot. Specs/Kaiser	97	N	320	0	320	A													53	53	53	53	54	54						0
SY080 Laser Eye Prot. Specs/Kaiser	98	N	823	0	823													A							69	69	69	69	69	478
SY080, Laser Eye Prot. Visor/AOTEC	99	N	217	0	217																									217
SY100, CWU-60/P/Mustang	97	N	93	0	93									A															93	0

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
									CALENDAR YEAR 1999												CALENDAR YEAR 2000								
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY080, Laser Eye Prot. Specs/Kaiser	98	N	823	345	478	69	69	69	69	69	69	64																		0
SY080, Laser Eye Prot. Visor/AOTEC	99	N	217	0	217	A		30	30	30	30	30	30	37																0

Remarks:

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21											DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**						Weapon System					P-1 ITEM NOMENCLATURE AVIATION
		Production Rate			Procurement Leadtimes						
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure	
SY110, HEED	US Divers/Aqua-Lung, CA	150	330	500	7	7	5	5	12	months	
SY120, AISAP (ARMOR)	INS Inc./TBD	50	200	500	7	7	7	5	14	months	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
									CALENDAR YEAR 1997												CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY110, HEED/US Divers/Aqua-Lung	97	N	591	0	591									A								300	291							0
SY120, AISAP (ARMOR)/TBD	98	N	1575	0	1575															A							200	200	200	975
	99	N	302	0	302																									302

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
									CALENDAR YEAR 1999												CALENDAR YEAR 2000									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY120, AISAP (ARMOR)/TBD	98	N	1575	600	975	200	200	200	200	175																				0
	99	N	302	0	302	A					175	127																		0

Remarks:

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21										DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**						Weapon System				P-1 ITEM NOMENCLATURE AVIATION
		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
SY130, PATSS	Switlik, PA/TBD	100	250	500	7	7	9	8	16	months
SY140, PAESS	TBD	50	100	225	7	7	5	5	12	months

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
									CALENDAR YEAR 1997												CALENDAR YEAR 1998								
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY130, PATSS/TBD	98	N	2551	0	2551																			A						2551
	99	N	1863	0	1863																									1863
SY140, PAESS/TBD	98	N	650	0	650																			A						650

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
									CALENDAR YEAR 1999												CALENDAR YEAR 2000								
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY130, PATSS/TBD	98	N	2551	0	2551					400	300	300	300	300	300	300	351													0
	99	N	1863	0	1863				A									300	300	300	300	300	363							0
SY140, PAESS/TBD	98	N	650	0	650	150	150	150	150	50																				0

Remarks:

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21												DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**							Weapon System					P-1 ITEM NOMENCLATURE AVIATION
			Production Rate			Procurement Leadtimes						
Item	Manufacturer's Name and Location		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure	
SY150, Mini-Raft Backpack	Patten, FL		30	100	300	7	7	9	9	16	months	
SY170, Navy Combat Edge	TBD		30	75	200	7	7	12	12	19	months	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
									CALENDAR YEAR 1997												CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY150, Mini-Raft Backpack/TBD	97	N	80	0	80						A												40	40						0
	98	N	1475	0	1475																A									1475
	99	N	285	0	285																									285
SY170, Navy Combat Edge/TBD	97	N	147	0	147												A												32	115
	98	N	430	0	430																A									430
	99	N	237	0	237																									237

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
									CALENDAR YEAR 1999												CALENDAR YEAR 2000									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY150, Mini-Raft Backpack/TBD	98	N	1475	0	1475	150	150	150	150	150	150	150	150	150	125															0
	99	N	285	0	285	A										125	125	35												0
SY170, Navy Combat Edge/TBD	97	N	147	32	115	35	40	40																						0
	98	N	430	0	430				50	50	50	50	50	50	50	50	30													0
	99	N	237	0	237	A												30	30	30	30	30	30	30	27					0

Remarks:

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21												DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**								Weapon System				P-1 ITEM NOMENCLATURE AVIATION
				Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location			MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
SY175, AMELIA	TBD			20	50	300	7	7	6	6	13	months
SY210, Night Vision Devices	ITT, VA			20	150	200	7	7	7	7	14	months
SY220, Low Profile Flotation Clr.	SEI, Ashville, NC			30	250	300	7	7	6	6	13	months

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
									CALENDAR YEAR 1997												CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY 175 AMELIA/TBD	98	N	500	0	500																			A						500
	99	N	400	0	400																									400
SY210, Night Vision Devices/ITT	97	N	197	0	197								A							21	21	21	21	21	23	23	23	23		0
	98	N	216	0	216																A								30	186
	99	N	536	0	536																									536
SY220, Low Profile Flotation Clr./SEI	97	N	1500	0	1500						A							250	250	250	250	250	250							0
	97	N	661	0	661											A								55	55	55	55	55	55	331
	99	N	2950	0	2950																									2950

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
									CALENDAR YEAR 1999												CALENDAR YEAR 2000									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY175, AMELIA/TBD	98	N	500	0	500	50	50	50	50	50	50	50	50	50	50															0
	99	N	400	0	400	A										40	40	40	40	40	40	40	40	40	40					0
SY210, Night Vision Devices/ITT	98	N	216	30	186	30	30	30	30	30	36																			0
	99	N	536	0	536	A						45	45	45	45	45	45	45	45	45	45	45	41							0
Low Profile Flotation Collar/SEI	97	N	661	330	331	55	55	55	55	55	56																			0
	99	N	2950	0	2950	A						250	250	250	250	250	250	250	250	250	250	250	200							0

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OPN**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **PRC-125**	Admin Leadtime (after Oct1): **7 MONTHS**	Prod Leadtime : **12 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	0	0	198	100	97			
Unit Cost			2.00	2.20	2.20			
Total Cost			$396.0	$220.0	$213.4			
Asset Dynamics								
Beginning Asset Position	785	785	785	785	983	1083	1180	1180
Deliveries from all prior year funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 funding	0	0	0	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	0	198	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	0	100	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	97	0	0
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	785	785	785	983	1083	1180	1180	1180
Inventory Objective or Current Authorized Allowance	1180	1180	1180	1180	1180	1180	1180	1180

Inventory Objective 1180	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OPN**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **KY-913 PROGRAMMER**	Admin Leadtime (after Oct1): **7 MONTHS**	Prod Leadtime : **12 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	0	50	0	0	0	0	0	0
Unit Cost		2						
Total Cost		$100.0						
Asset Dynamics								
Beginning Asset Position	143	143	143	193	193	193	193	193
Deliveries from all prior year funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 funding	0	0	50	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	0	0	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	0	0	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	0	0	0
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	143	143	193	193	193	193	193	193
Inventory Objective or Current Authorized Allowance	193	193	193	193	193	193	193	193

Inventory Objective 193	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OPN**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **Survival Radio**	Admin Leadtime (after Oct1): **7 MONTHS**	Prod Leadtime : **12 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**0**	**0**	**250**	**600**	**1000**	**4787**	**6704**	**3830**
Unit Cost			**1.200**	**1.050**	**0.950**	**0.900**	**0.850**	**0.900**
Total Cost			**$300.0**	**$630.0**	**$950.0**	**$4,308.3**	**$5,698.4**	**$3,447.0**
Asset Dynamics								
Beginning Asset Position	0	0	0	0	250	850	1850	6637
Deliveries from all prior year funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 funding	0	0	0	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	0	250	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	0	600	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	1000	4787	6704
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	0	0	250	850	1850	6637	13341
Inventory Objective or Current Authorized Allowance	20000	20000	20000	20000	20000	20000	20000	20000

Inventory Objective 20000	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Reqt.	APPROPRIATION/BUDGET ACTIVITY	DATE:
	OPN	**September 1997**

P-1 ITEM NOMENCLATURE	Admin Leadtime (after Oct1):	Prod Leadtime :
PRC-112 Upgrades	**3 MONTHS**	**12 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**0**	**1676**	**2000**	**0**	**0**	**0**	**0**	**0**
Unit Cost		**0.250**	**0.250**					
Total Cost		**$419.0**	**$500.0**					
Asset Dynamics								
Beginning Asset Position	0	0	0	840	2678	3676	3676	3676
Deliveries from all prior year funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 funding	0	0	840	836	0	0	0	0
Deliveries from FY 1998 funding	0	0	0	1002	998	0	0	0
Deliveries from FY 1999 funding	0	0	0	0	0	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	0	0	0
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	0	840	2678	3676	3676	3676	3676
Inventory Objective or Current Authorized Allowance	3676	3676	3676	3676	3676	3676	3676	3676

Inventory Objective 3676	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Reqı .	APPROPRIATION/BUDGET ACTIVITY	DATE:
	OPN	**September 1997**

P-1 ITEM NOMENCLATURE	Admin Leadtime (after Oct1):	Prod Leadtime :
Combat Survivor Evader Locator	**7 MONTHS**	**12 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**0**	**0**	**595**	**1896**	**2727**	**2800**	**982**	**0**
Unit Cost			**7.000**	**5.800**	**5.500**	**5.500**	**6.300**	
Total Cost			**$4,165.0**	**$10,996.8**	**$14,998.5**	**$15,400.0**	**$6,186.6**	
Asset Dynamics								
Beginning Asset Position	0	0	0	0	753	2491	5218	8018
Deliveries from all prior year funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 funding	0	0	0	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	0	595	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	158	1738	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	2727	2800	982
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	0	0	753	2491	5218	8018	9000
Inventory Objective or Current Authorized Allowance	9000	9000	9000	9000	9000	9000	9000	9000

Inventory Objective 9000	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Req.	APPROPRIATION/BUDGET ACTIVITY	DATE:
	OPN	**September 1997**

P-1 ITEM NOMENCLATURE	Admin Leadtime (after Oct1):	Prod Leadtime :
Laser Eye Protection	**7 MONTHS**	**7 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**0**	**320**	**823**	**217**	**845**	**1871**	**2000**	**1587**
Unit Cost		**1.400**	**0.850**	**1.747**	**1.747**	**1.200**	**1.200**	**1.200**
Total Cost		**$448.0**	**$699.6**	**$379.1**	**$1,476.2**	**$2,245.2**	**$2,400.0**	**$1,904.4**
Asset Dynamics								
Beginning Asset Position	0	0	0	665	1360	2205	2205	4076
Deliveries from all prior year funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 funding	0	0	320	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	345	478	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	217	0	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	845	0	1871	2000
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	0	665	1360	2205	2205	4076	6076
Inventory Objective or Current Authorized Allowance	7800	7800	7800	7800	7800	7800	7800	7800

Inventory Objective 7800	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Reqt.	APPROPRIATION/BUDGET ACTIVITY	DATE:
	OPN	**September 1997**

P-1 ITEM NOMENCLATURE	Admin Leadtime (after Oct1):	Prod Leadtime :
CWU-60/P	**7 MONTHS**	**6 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**4257**	**93**	**0**	**0**	**0**	**0**	**0**	**0**
Unit Cost	**0.700**	**0.700**						
Total Cost	**$2,979.9**	**$65.1**						
Asset Dynamics								
Beginning Asset Position	0	0	1084	4350	4350	4350	4350	4350
Deliveries from all prior year funding	0	1084	3173	0	0	0	0	0
Deliveries from FY 1997 funding	0	0	93	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	0	0	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	0	0	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	0	0	0
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	1084	4350	4350	4350	4350	4350	4350
Inventory Objective or Current Authorized Allowance	4350	4350	4350	4350	4350	4350	4350	4350

Inventory Objective 4350	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OPN**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **Helicopter Emergency Egress Device**	Admin Leadtime (after Oct1): **7 MONTHS**	Prod Leadtime : **5 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**5409**	**591**	**0**	**0**	**0**	**0**	**0**	**0**
Unit Cost	**0.402**	**0.254**						
Total Cost	**$2,172.0**	**$150.1**						
Asset Dynamics								
Beginning Asset Position	1500	1500	4500	6000	6000	6000	6000	6000
Deliveries from all prior year funding	0	3000	909	0	0	0	0	0
Deliveries from FY 1997 funding	0	0	591	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	0	0	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	0	0	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	0	0	0
Other Gains	0	0	0	0	0	0	0	0
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	1500	4500	6000	6000	6000	6000	6000	6000
Inventory Objective or Current Authorized Allowance	6000	6000	6000	6000	6000	6000	6000	6000

Inventory Objective 6000	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OPN**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **Aircrew Integrated Survival / Armor Protection**	Admin Leadtime (after Oct1): **7 MONTHS**	Prod Leadtime : **7 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**841**	**0**	**1575**	**302**	**0**	**0**	**0**	**0**
Unit Cost	**1.458**		**1.100**	**1.250**				
Total Cost	**$1,043.0**		**$1,732.5**	**$377.5**				
Asset Dynamics								
Beginning Asset Position	850	850	1691	2291	3568	3568	3568	3568
Deliveries from all prior year funding	0	841	0	0	0	0	0	0
Deliveries from FY 1997 funding	0	0	0	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	600	975	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	302	0	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	0	0	0
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	850	1691	2291	3568	3568	3568	3568	3568
Inventory Objective or Current Authorized Allowance	3568	3568	3568	3568	3568	3568	3568	3568

Inventory Objective 3568	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OPN**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **Passenger and Troop Survival System**	Admin Leadtime (after Oct1): **7 MONTHS**	Prod Leadtime : **9 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**4238**		**2551**	**1863**	**0**	**0**	**0**	**0**
Unit Cost	**0.200**		**0.200**	**0.215**				
Total Cost	**$187.0**		**$510.2**	**$400.5**				
Asset Dynamics								
Beginning Asset Position	0	0	564	2487	6789	8652	8652	8652
Deliveries from all prior year funding	0	564	1923	1751	0	0	0	0
Deliveries from FY 1997 funding	0	0	0	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	0	2551	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	0	1863	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	0	0	0
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	564	2487	6789	8652	8652	8652	8652
Inventory Objective or Current Authorized Allowance	8652	8652	8652	8652	8652	8652	8652	8652

Inventory Objective 8652	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OPN**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **Passenger Anti-Exposure Survival System**	Admin Leadtime (after Oct1): **7 MONTHS**	Prod Leadtime : **5 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**1000**	**0**	**650**	**0**	**0**	**0**	**0**	**0**
Unit Cost	**0.682**		**0.850**					
Total Cost	**$682.0**		**$552.5**					
Asset Dynamics								
Beginning Asset Position	450	450	450	1450	2100	2100	2100	2100
Deliveries from all prior year funding	0	0	1000	0	0	0	0	0
Deliveries from FY 1997 funding	0	0	0	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	0	650	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	0	0	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	0	0	0
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	450	450	1450	2100	2100	2100	2100	2100
Inventory Objective or Current Authorized Allowance	2100	2100	2100	2100	2100	2100	2100	2100

Inventory Objective 2100	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OPN**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **Mini-Raft Backpack**	Admin Leadtime (after Oct1): **7 MONTHS**	Prod Leadtime : **9 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**978**	**80**	**1475**	**285**	**0**	**1541**	**1541**	**0**
Unit Cost	**0.680**	**0.550**	**0.400**	**0.700**	**0.000**	**0.400**	**0.400**	
Total Cost	**$591.0**	**$44.0**	**$590.0**	**$199.5**	**$0.0**	**$616.4**	**$616.0**	
Asset Dynamics								
Beginning Asset Position	0	0	150	1058	2783	2818	2818	4359
Deliveries from all prior year funding	0	150	828	0	0	0	0	0
Deliveries from FY 1997 funding	0	0	80	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	0	1475	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	250	35	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	0	1541	1541
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	150	1058	2783	2818	2818	4359	5900
Inventory Objective or Current Authorized Allowance	5900	5900	5900	5900	5900	5900	5900	5900

Inventory Objective 5900	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OPN**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **Navy Combat Edge**	Admin Leadtime (after Oct1): **7 MONTHS**	Prod Leadtime : **12 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	155	147	430	237	479	373	0	0
Unit Cost	4.000	4.500	4.000	4.000	4.000	4.000		
Total Cost	$1,108.0	$663.0	$1,720.0	$948.0	$1,916.0	$1,492.0		
Asset Dynamics								
Beginning Asset Position	0	0	0	187	732	969	1448	1821
Deliveries from all prior year funding	0	0	155	0	0	0	0	0
Deliveries from FY 1997 funding	0	0	32	115	0	0	0	0
Deliveries from FY 1998 funding	0	0	0	430	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	0	237	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	479	373	0
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	0	187	732	969	1448	1821	1821
Inventory Objective or Current Authorized Allowance	1821	1821	1821	1821	1821	1821	1821	1821

Inventory Objective 1821	Actual Training Expenditures	Other than Training Usage	Disposals	Vehicles Eligible for	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	(Vehicles/Other) FY 1996 thru	FY 1998 Replacement: Vehicles Eligible for	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	XXXXX:	FY 1999 Replacement:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1995:	Vehicle Augment:	BAI
Other:	FY 1993:	FY 1993:	FY 1994:		Inactive Inv:
TOTAL:			FY 1993:		Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OPN**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **AMELIA**	Admin Leadtime (after Oct1): **7 MONTHS**	Prod Leadtime : **6 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**0**	**0**	**500**	**400**	**300**	**0**	**0**	**0**
Unit Cost			**0.850**	**0.750**	**0.564**			
Total Cost			**$425.0**	**$300.0**	**$169.0**			
Asset Dynamics								
Beginning Asset Position	0	0	0	0	580	900	1200	1200
Deliveries from all prior year funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 funding	0	0	0	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	0	500	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	80	320	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	300	0	0
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	0	0	580	900	1200	1200	1200
Inventory Objective or Current Authorized Allowance	1200	1200	1200	1200	1200	1200	1200	1200

Inventory Objective 1200	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OPN**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **Night Vision Devices**	Admin Leadtime (after Oct1): **7 MONTHS**	Prod Leadtime : **7 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**0**	**197**	**216**	**536**	**51**	**0**	**0**	**0**
Unit Cost		**9.845**	**7.250**	**6.847**	**7.000**			
Total Cost		**$1,939.0**	**$1,566.0**	**$3,670.0**	**$357.0**			
Asset Dynamics								
Beginning Asset Position	0	0	0	227	683	1000	1000	1000
Deliveries from all prior year funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 funding	0	0	197	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	30	186	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	270	266	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	51	0	0	0
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	0	227	683	1000	1000	1000	1000
Inventory Objective or Current Authorized Allowance	1000	1000	1000	1000	1000	1000	1000	1000

Inventory Objective 1000	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OPN**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **Low Profile Flotation Collar**	Admin Leadtime (after Oct1): **7 MONTHS**	Prod Leadtime : **6 MONTHS**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**0**	**2161**	**0**	**2950**	**5589**	**0**	**0**	**0**
Unit Cost		**0.324**		**0.360**	**0.380**			
Total Cost		**$702.0**		**$1,065.0**	**$2,121.0**			
Asset Dynamics								
Beginning Asset Position	0	0	0	1830	3661	7905	10700	10700
Deliveries from all prior year funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 funding	0	0	1830	331	0	0	0	0
Deliveries from FY 1998 funding	0	0	0	0	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	1500	1450	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	2794	2795	0	0
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	0	1830	3661	7905	10700	10700	10700
Inventory Objective or Current Authorized Allowance	10700	10700	10700	10700	10700	10700	10700	10700

Inventory Objective 10700	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE PRC-125	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180
ASSETS ON HAND	(BP)	785																								
DELIVERY FY 96 & PRIOR	(P)	785																								
FY 96 & PRIOR	(P)	785																								
FY 97	(P)																									
FY 98	(P)									0	0	50	148													
FY 99	(P)													0	60	40	0									
FY 00	(P)																	0	60	37	0					
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	785	785	785	785	785	785	785	785	785	785	835	983	983	1043	1083	1083	1083	1143	1180	1180					
QTY OVER (+) OR SHORT (-)		-395	-395	-395	-395	-395	-395	-395	-395	-395	-395	-345	-197	-197	-137	-97	-97	-97	-37	0	0					

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	1180	785		298	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 19	ADMIN 7	INITIAL ORDER 12		REORDER 12	

DD for 2447, JUN 86

P-1 SHOPPING LIST

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CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE KY-913/MOTOROLA	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	193	193	193	193	193	193	193	193																	
	(P)																									
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0																	
OTHER	(P)	0	0	0	0	0	0	0	0																	
TOTAL PHASED REQ	(C)	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	
ASSETS ON HAND	(BP)	143																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0																								
FY 97	(P)					0	0	0	50																	
FY 98	(P)																									
FY 99	(P)																									
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	143	143	143	143	143	143	143	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193
QTY OVER (+) OR SHORT (-)		-50	-50	-50	-50	-50	-50	-50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	193

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	193	0		50	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 19	ADMIN 7	INITIAL ORDER 12		REORDER 12	

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P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE SURVIVAL RADIO	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
	(P)																									
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0																								
FY 97	(P)																									
FY 98	(P)									0	0	100	150													
FY 99	(P)													0	150	225	225									
FY 00	(P)																	250	250	250	250					
FY 01	(P)																					1196	1197	1197	1197	
FY 02	(P)																									6704
FY 03	(P)																									3830
To Complete	(P)																									2829
TOTAL ASSETS	(C)	0	0	0	0	0	0	0	0	0	0	100	250	250	400	625	850	1100	1350	1600	1850	3046	4243	5440	6637	20000
QTY OVER (+) OR SHORT (-)		-20000	-20000	-20000	-20000	-20000	-20000	-20000	-20000	-20000	-20000	-19900	-19750	-19750	-19600	-19375	-19150	-18900	-18650	-18400	-18150	-16954	-15757	-14560	-13363	0

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	20000	0		850	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 19	ADMIN 7	INITIAL ORDER 12		REORDER 12	

CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE PRC-112 GPS	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL PHASED REQ	(C)	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0	0	200	300																					
FY 96 & PRIOR	(P)																									
FY 97	(P)																									
FY 98	(P)																									
FY 99	(P)																									
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	0	200	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
QTY OVER (+) OR SHORT (-)		-500	-500	-300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	500	0		0	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 19	ADMIN 7	INITIAL ORDER 12		REORDER 12	

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CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE PRC-112 P 3 I (GPS) INTERROGATOR	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL PHASED REQ	(C)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0	12	0	0																					
FY 97	(P)																									
FY 98	(P)																									
FY 99	(P)																									
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
QTY OVER (+) OR SHORT (-)		-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	12	0		12	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 19	ADMIN 7	INITIAL ORDER 12		REORDER 12	

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P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE PRC-112 UPGRADES	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676
	(P)																									
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0																								
FY 97	(P)					0	0	420	420	420	416															
FY 98	(P)											501	501	501	497											
FY 99	(P)																									
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	0	0	0	0	0	420	840	1260	1676	2177	2678	3179	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676
QTY OVER (+) OR SHORT (-)		-3676	-3676	-3676	-3676	-3676	-3676	-3256	-2836	-2416	-2000	-1499	-998	-497	0	0	0	0	0	0	0	0	0	0	0	0

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	3676	0		3676	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 15	ADMIN 3	INITIAL ORDER 12		REORDER 12	

DD for 2447, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE COMBAT SURVIVOR EVADER LOCATOR	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0																								
FY 97	(P)																									
FY 98	(P)									0	0	295	300													
FY 99	(P)												158	474	474	474	316									
FY 00	(P)																	682	682	682	681					
FY 01	(P)																					700	700	700	700	
FY 02	(P)																									982
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	0	0	0	0	0	0	0	0	0	295	753	1227	1701	2175	2491	3173	3855	4537	5218	5918	6618	7318	8018	9000
QTY OVER (+) OR SHORT (-)		-9000	-9000	-9000	-9000	-9000	-9000	-9000	-9000	-9000	-9000	-8705	-8247	-7773	-7299	-6825	-6509	-5827	-5145	-4463	-3782	-3082	-2382	-1682	-982	0

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	9000	0		3520	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 19	ADMIN 7	INITIAL ORDER 12		REORDER 12	

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P-1 SHOPPING LIST

CLASSIFICATION:

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UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE LASER EYE PROTECTION	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL PHASED REQ	(C)	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0																								
FY 97	(P)					106	159	55	0																	
FY 98	(P)							138	207	207	207	64	0													
FY 99	(P)									30	90	97	0													
FY 00	(P)																	211	211	211	212					
FY 01	(P)																					468	468	468	467	
FY 02	(P)																									2000
FY 03	(P)																									1587
To Complete	(P)																									137
TOTAL ASSETS	(C)	0	0	0	0	106	265	458	665	902	1199	1360	1360	1360	1360	1360	1360	1571	1782	1993	2205	2673	3141	3609	4076	7800
QTY OVER (+) OR SHORT (-)		-7800	-7800	-7800	-7800	-7694	-7535	-7342	-7135	-6898	-6601	-6440	-6440	-6440	-6440	-6440	-6440	-6229	-6018	-5807	-5595	-5127	-4659	-4191	-3724	0

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	7800	0	0	1360	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 14	ADMIN 7	INITIAL ORDER 7		REORDER 7	

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P-1 SHOPPING LIST

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UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE CWU-60/P	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0	0	400	684	870	849	873	581																	
FY 97	(P)								93																	
FY 98	(P)																									
FY 99	(P)																									
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	0	400	1084	1954	2803	3676	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350
QTY OVER (+) OR SHORT (-)		-4350	-4350	-3950	-3266	-2396	-1547	-674	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	4350	0		4350	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 13	ADMIN 7	INITIAL ORDER 6		REORDER 6	

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P-1 SHOPPING LIST

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UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE HEED	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL PHASED REQ	(C)	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	3000	1500			600	309																			
FY 97	(P)						591																			
FY 98	(P)																									
FY 99	(P)																									
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	3000	4500	4500	4500	5100	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
QTY OVER (+) OR SHORT (-)		-3000	-1500	-1500	-1500	-900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	6000	0	1500	4500	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 12	ADMIN 7	INITIAL ORDER 5		REORDER 5	

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P-1 SHOPPING LIST

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CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE Aircrew Integrated Survival /Armor Protection	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL PHASED REQ	(C)	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568
ASSETS ON HAND	(BP)	850																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0	0	450	391																					
FY 97	(P)																									
FY 98	(P)					0	0	0	600	600	375															
FY 99	(P)										175	127	0													
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	850	850	1300	1691	1691	1691	1691	2291	2891	3441	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568
QTY OVER (+) OR SHORT (-)		-2718	-2718	-2268	-1877	-1877	-1877	-1877	-1277	-677	-127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	3568	0	850	2718	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 14	ADMIN 7	INITIAL ORDER 7		REORDER 5	

CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE Passenger and Troop Survival System	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652
	(P)																									
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0	0	141	423	423	423	277	800	1200	551															
FY 97	(P)																									
FY 98	(P)									0	700	900	951													
FY 99	(P)													900	963	0	0									
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	0	141	564	987	1410	1687	2487	3687	4938	5838	6789	7689	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652
QTY OVER (+) OR SHORT (-)		-8652	-8652	-8511	-8088	-7665	-7242	-6965	-6165	-4965	-3714	-2814	-1863	-963	0	0	0	0	0	0	0	0	0	0	0	0

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	8652	0		8652	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 16	ADMIN 7	INITIAL ORDER 9		REORDER 8	

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P-1 SHOPPING LIST

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CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE Passenger Anti-Exposure Survival System	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
	(P)																									
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	450																								
FY 96 & PRIOR	(P)																									
FY 97	(P)					0	0	400	600																	
FY 98	(P)									450	200	0	0													
FY 99	(P)																									
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	450	450	450	450	450	450	850	1450	1900	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
QTY OVER (+) OR SHORT (-)		-1650	-1650	-1650	-1650	-1650	-1650	-1250	-650	-200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	2100	0	450	1650	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 12	ADMIN 7	INITIAL ORDER 5		REORDER 5	

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P-1 SHOPPING LIST

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CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE Extreme Cold Weather Survival Kits	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0	0	147	0																					
FY 97	(P)																									
FY 98	(P)																									
FY 99	(P)																									
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	0	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147
QTY OVER (+) OR SHORT (-)		-147	-147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	147	0		147	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 13	ADMIN 7	INITIAL ORDER 6		REORDER 6	

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CLASSIFICATION: UNCLASSIFIED

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE **Mini-Raft Backpack**	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0	0	0	150	150	100	200	378																	
FY 97	(P)						40	40																		
FY 98	(P)									450	450	450	125													
FY 99	(P)												250	35												
FY 00	(P)																	385	385	385	386					
FY 01	(P)																					385	385	385	386	
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	0	0	150	300	440	680	1058	1508	1958	2408	2783	2818	2818	2818	2818	3203	3588	3973	4359	4744	5129	5514	5900	**5900**
QTY OVER (+) OR SHORT (-)		-5900	-5900	-5900	-5750	-5600	-5460	-5220	-4842	-4392	-3942	-3492	-3117	-3082	-3082	-3082	-3082	-2697	-2312	-1927	-1541	-1156	-771	-386	0	**0**

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	5900	0	978	4922	
	2. APPN -					
	3. PROCUREMENT LEADTIME 16	ADMIN 7	INITIAL ORDER 9		REORDER 9	

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P-1 SHOPPING LIST

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CLASSIFICATION:

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CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE Navy Combat Edge	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)					0	0	100	55																	
FY 97	(P)								32	115																
FY 98	(P)										150	150	130													
FY 99	(P)													90	90	57	0									
FY 00	(P)																120	120	120	119						
FY 01	(P)																				93	93	93	94		
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	0	0	0	0	0	100	187	302	452	602	732	822	912	969	1089	1209	1329	1448	1541	1634	1727	1821	1821	1821
QTY OVER (+) OR SHORT (-)		-1821	-1821	-1821	-1821	-1821	-1821	-1721	-1634	-1519	-1369	-1219	-1089	-999	-909	-852	-732	-612	-492	-373	-280	-187	-94	0	0	0

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	1821	0		1333	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 19	ADMIN 7	INITIAL ORDER 12		REORDER 12	

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CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE AMELIA	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0																								
FY 97	(P)																									
FY 98	(P)									150	150	150	50													
FY 99	(P)												80	120	120	80	0									
FY 00	(P)																	80	80	80	60					
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	0	0	0	0	0	0	0	150	300	450	580	700	820	900	900	980	1060	1140	1200	1200	1200	1200	1200	1200
QTY OVER (+) OR SHORT (-)		-1200	-1200	-1200	-1200	-1200	-1200	-1200	-1200	-1050	-900	-750	-620	-500	-380	-300	-300	-220	-140	-60	0	0	0	0	0	0

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	1200	0		880	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 13	ADMIN 7	INITIAL ORDER 6		REORDER 6	

CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE Night Vision Devices	C. DATE Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0																								
FY 97	(P)					21	63	67	46																	
FY 98	(P)								30	90	96	0														
FY 99	(P)											135	135	135	131	0	0									
FY 00	(P)															51										
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	0	0	0	21	84	151	227	317	413	548	683	818	949	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
QTY OVER (+) OR SHORT (-)		-1000	-1000	-1000	-1000	-979	-916	-849	-773	-683	-587	-452	-317	-182	-51	0	0	0	0	0	0	0	0	0	0	0

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	1000	0		1000	0
	2. APPN -					
	3. PROCUREMENT LEADTIME 14	ADMIN 7	INITIAL ORDER 7		REORDER 7	

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CLASSIFICATION:

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CLASSIFICATION: **UNCLASSIFIED**

TIME PHASED REQUIREMENT SCHEDULE P-23	A. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Navy	B. P-1 ITEM NOMENCLATURE: Low Profile Flotation Collar	C. DATE: Sep-97

		FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL PHASED REQ	(C)	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0																								
FY 97	(P)					750	750	165	165	165	166															
FY 98	(P)																									
FY 99	(P)											750	750	750	700	0	0									
FY 00	(P)															1397	1397	1397	1398							
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	0	0	0	750	1500	1665	1830	1995	2161	2911	3661	4411	5111	6508	7905	9302	10700	10700	10700	10700	10700	10700	10700	10700
QTY OVER (+) OR SHORT (-)		-10700	-10700	-10700	-10700	-9950	-9200	-9035	-8870	-8705	-8539	-7789	-7039	-6289	-5589	-4192	-2795	-1398	0	0	0	0	0	0	0	0

D. REMARKS	E. RQMT (QTY)	TOTAL RQMT	INSTALLED	ON HAND AS OF / /96	FY 99 & PRIOR UNDELIVERED	UNFUNDED
	1. APPN - OPN	10700	0		7328	
	2. APPN -					
	3. PROCUREMENT LEADTIME 13	ADMIN 7	INITIAL ORDER 6		REORDER 6	

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BUDGET ITEM JUSTIFICATION SHEET
P-40

DATE: September 1997

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY
BA-3: NAVY/AVIATION SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE/LINE ITEM #
Airborne Mine Countermeasures
SUBHEAD: 73S0 **LI:42800**

Program Element for Code B Items:
N/A

OTHER RELATED PROGRM ELEMENTS
N/A

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY	N/A	A											0
EQUIPMENT COST (In Millions)	N/A	A	N/A	$22.5	$13.1	$20.2	$21.9	$29.4	$36.3	$40.6	$17.7	N/A	$202
SPARES COST (In Millions)	N/A	A	*N/A*	$2.2	$1.0	$2.0	$1.9	$1.9	$2.0	$0.4	$2.0	N/A	$13

PROGRAM DESCRIPTION/JUSTIFICATION:

Airborne Mine Countermeasures (AMCM) Equipment is used by MH-53E helicopters to counter the threat of sea mines. The equipment is divided into two broad categories, minesweeping and minehunting; (1) minesweeping is performed by mechanical or influence sweeps. In mechanical sweeping, the mine mooring is severed by the sweep gear allowing the mine to float to the surface where it is destroyed. In influence sweeping, a magnetic or acoustic field which simulates the magnetic/acoustic signature of a ship is introduced into the water. This field causes the mine mechanism to actuate. (2) In mine hunting the object is to actually locate and classify, mark, or neutralize the mine, usually by means of high resolution sonar. AMCM squadrons currently have capability in mechanical, magnetic, and acoustic sweeping, mine surveillance and marking. Its mission is to locate, classify and neutralize moored and bottom mines.

S0020 - The funds provided are for the modification of systems to accommodate replacement of subsystems/components because of obsolescence. ECPs are analyzed, prioritized and screened to accommodate replacement of subsystems/components.

S0060 - The funds provided is for the procurement of the A/N37U-1 Mechanical Minesweeping Systems. Thirty-four systems are to be procured at an estimated total cost of $14M. 25 units procured in FY96 and prior. 9 units to be procured in FY97.

S0061 - The MK-105 magnetic minesweeping system is a hydrofoil platform that carries a turbo-generator power pack and is towed by a MH-53E helicopter, allowing for safe, high speed sweeping of course magnetic influence mines at twice the output of the current MK-105. Technological upgrade increases supportability, reliability and maintainability (R&M), and increases operational effectiveness. ECPs are analyzed, prioritized and screened to accommodate replacement of subsystems/components because of obsolescence. Funding is designated in all fiscal years for this effort. Twenty units are to be procured at an estimated total cost of $87.8M. Three units are included in the FY96 budget year, with seventeen units to be procured in subsequent years.

S0062 - AN/AQS-14A - Is a digital upgrade to the electronics used in the airborne console of the Q-14 console in the fleet since 1984. This upgrade is driven by parts obsolescence and improved technology as well as performance requirements.

S0063 - Magnetic Cable - Is a new magnetic sweep away with an extended operational life, capable of handling twice the current while maintaining cable diameter and bend radius in order to use existing support equipment. Funding is provided to procure twenty-five cables for an estimated total cost of $3M.

S0065 -Airborne Mine Neutralization System (AMNSYS) will provide neutralization of bottom and moored mines using an airborne delivered, expendable mine neutralization device. Funding is provided to procure thirty-three systems at an estimated total cost of $40.9M.

S0066 - C4I - The funding provided in FY98 and FY99 is to purchase upgraded NDI equipment to provide intitial C4I capability at an estimated total cost of $4.5M.

S0068 - Funding is procurement of telecommunications equipment for the the Mobile Operations Center in support of C4I capability.

S0069 - Advanced Sonar will provide detection, classification, and localization of bottom, close tethered and in volume mines. Funding is provided to procure 5 systems.

BUDGET ITEM JUSTIFICATION SHEET P-40 CONTINUATION	DATE: September 1997
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3: NAVY/AVIATION SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE/LINE ITEM # *Airborne Mine Countermeasures* *SUBHEAD: 73S0 LI:424800*

S0069 - Advanced Sonar will provide detection, classification, and localization of bottom, close tethered and in volume mines. Funding is provided to procure 5 systems.

S0070 - AN/ALQ-141 Upgrade - This effort would upgrade the obsolete and decrease the unreliable of the AN/ALQ-141 to current technology to achieve higher levels of reliability and maintainability, thus reducing life cycle cost. This re-design will also utilize modern state-of the-art electronics to provide a programmable target which can be used to test all portions of the current mine countermeasures (MCM) systems, as well as the capability to easily expand to include additional parameters in the future.

S0071 - AN/AQS-14A LLSS - Provide mine identification deployment contingency capability to significantly increase speed od mine clearing operations. It involves integrating off-the-self SM2000 Laser Line Scanner into AN/AQS-14A towed body.

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WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System N/A	DATE: September

APPROPRIATION/BUDGET ACTIVITY	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD
Other Procurement, Navy		***Airborne Mine Countermeasures***
BA-3: NAVY/AVIATION SUPPORT EQUIPMENT	**A**	***SUBHEAD: 73S0 LI:424800***

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS FY 1996 QTY	FY 1996 UNIT COST	FY 1996 TOTAL COST	FY 1997 QTY	FY 1997 UNIT COST	FY 1997 TOTAL COST	FY 1998 QTY	FY 1998 UNIT COST	FY 1998 TOTAL COST	FY 1999 QTY	FY 1999 UNIT COST	FY 1999 TOTAL COST
	N852													
S0020	MODIFICATION	A			915			554			770			728
S0060	A/N37U-1 MECH MINESWEEPING	A	6	574	3,447	9	498	4,483						
S0061	MK-105 UPGRADE	A	3	4908	14,725				2	4,300	8,600	3	4,300	12,900
	PUBLICATIONS/TECHNICAL DATA							2,500						
	PRODUCTION SUPPORT - TRAINING										1,475			381
	STRUTS - NON-RECURRING										900			
	STRUTS - RECURRING													400
	SUPPORT EQUIPMENT							2,000			2,900			
	S0061 TOTAL				14,725			4,500			13,875			13,681
S0062	AN/AQS-14A KITS	A	4	450	1,800	5	440	2,200	6	367	2,200	6	448	2,685
	PUBLICATIONS/TECHNICAL DATA				100			100			200			
	COMPONENTS				100			200			380			
	SUPPORT EQUIPMENT				100			100			300			
	PRODUCT SUPPORT				100			432						
	S0062 TOTAL				2,200			3,032			3,080			2,685
S0063	MAGNETIC CABLE	A							12	85	1,020	13	85	1,105
	SUPPORT EQUIPMENT										200			75
	PUBLICATIONS/TECHNICAL DATA										200			120
	PRODUCTION SUPPORT - TRAINING										55			0
	S0063 TOTAL										1,475			1,300
S0066	C4I UPGRADES	A			489			575			992			3,485
S0068	MOBILE OPERATIONS CENTER	A			773									
TOTAL					**22,549**			**13,144**			**20,192**			**21,879**

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System N/A	A. DATE September 1997
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3: NAVY/AVIATION SUPPORT EQUIPMENT	C. P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures	SUBHEAD 73S0

Cost Element/ FISCAL YEAR	QTY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
FISCAL YEAR (96)										
A/N37U-1 MECH MINESWEEPING-S0060	6	575	NAVSEA		C/FFP	GSS, GROTON, CT	9/96	9/97	YES	
MK-105 UPGRADE-S0061	3	4908	NAVSEA		SS/FFP	EDO CORP, COLLEGE PT, NY	12/95	2/98	NO	
MK-105 UPGRADE-S0061	2	4908	NAVSEA		SS/FFP	EDO CORP, COLLEGE PT, NY	7/96	6/98	NO	
AN/AQS-14A KITS-S0062	4	450	NAVSEA		SS/FFP	NORTHROP-GRUMMAN, ANNAPOLIS, MD	2/97	10/97	YES	
FISCAL YEAR (97)										
A/N37U-1 MECH MINESWEEPING-S0060	9	498	NAVSEA		OPTION	GSS, GROTON, CT	11/96	11/97	YES	
AN/AQS-14A KITS-S0062	5	440	NAVSEA		OPTION	NORTHROP-GRUMMAN	7/97	3/98	YES	
FISCAL YEAR (98)										
MK-105 UPGRADE-S0061	2	4300	NAVSEA		SS/FFP	EDO CORP, COLLEGE PT, NY	1/98	10/99	NO	
AN/AQS-14A KITS-S0062	6	367	NAVSEA		OPTION	NORTHROP-GRUMMAN,	10/97	6/98	YES	
MAGNETIC CABLE-S0063	12	85	NAVSEA		TBD	TBD	8/98	4/99	NO	
FISCAL YEAR (99)										
MK-105 UPGRADE-S0061	3	4300	NAVSEA		OPTION	EDO CORP, COLLEGE PT, NY	1/99	10/00	NO	
MAGNETIC CABLE-S0063	13	85	NAVSEA		OPTION	TBD	10/98	5/99	NO	
AN/AQS-14A KITS-S0062	6	448	NAVSEA		OPTION	NORTHROP-GRUMMAN	10/98	6/99	YES	

D. REMARKS

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21										DATE September 1997	
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**						Weapon System **N/A**				P-1 ITEM NOMENCLATURE **Airborne Mine Countermeasure**	
		Production Rate				Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX		ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AN/AQS-14A KITS	Northrop Gruman	1	6	6		3	3	0	0	7	
	Annapolis, MD					0	3	0	4	7	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997									CALENDAR YEAR 1998												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/AQS-14A KITS	96		4	0	4					A								1					1					1		1
" "	97		5	0	5										A								1					1		3
" "	98		6	0	6													A								1				5
" "	99		6	0	6																									6

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999									CALENDAR YEAR 2000												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/AQS-14A KITS	96		4	3	1				1																					0
" "	97		5	2	3				1					1					1											0
" "	98		6	1	5		1					1					1					1					1			0
" "	99		6	0	6	A								1					1					1					1	2

Remarks:

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21						DATE September 1997				
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**						Weapon System **N/A**		P-1 ITEM NOMENCLATURE **Airborne Mine Countermeasure**		
		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AN/AQS-14A KITS	Northrop Grumman	1	6	6	3	3	4	0	7	
	Annapolis, MD				0	3	0	4	7	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2001												FISCAL YEAR 2002												BAL
						2000			CALENDAR YEAR 2001									CALENDAR YEAR 2002												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/AQS-14A KITS	99		6	4	2					1					1															0

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2003												FISCAL YEAR 2004												BAL
						2002			CALENDAR YEAR 2003									CALENDAR YEAR 2004												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Remarks:

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21										DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**						Weapon System **N/A**				P-1 ITEM NOMENCLATURE **Airborne Mine Countermeasure**
		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
MK-105 Upgrade Kits	EDO, College Point, NY	1	6	6	3	3	26		29	
" "					0	3		26	29	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997												CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
MK-105 UPGRADE KITS	96		3	0	3																	1		2						0
" "	96		2	0	2																					2				0
" "	98		2	0	2																A									2
" "	99		3	0	3																									3

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999												CALENDAR YEAR 2000									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
MK-105 Upgrade Kits	98		2	0	2													2												0
" "	99		3	0	3				A																					3

Remarks:

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21												DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**								Weapon System **N/A**				P-1 ITEM NOMENCLATURE **Airborne Mine Countermeasure**
		Production Rate			Procurement Leadtimes							
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure		
MK-105 Upgrade Kits	EDO, College Point, NY	1	6	6	3	3	26		29			
" "					0	3		26	29			

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2001												FISCAL YEAR 2002												BAL
						2000			CALENDAR YEAR 2001												CALENDAR YEAR 2002									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
MK-105 UPGRADE KITS	99		3	0	3	3											1													0

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2003												FISCAL YEAR 2004												BAL
						2002			CALENDAR YEAR 2003												CALENDAR YEAR 2004									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Remarks:

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21										DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**						Weapon System **N/A**				P-1 ITEM NOMENCLATURE **Airborne Mine Countermeasure**
		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
A/N37U-1 Mech. Minesweeping	GSS, Groton, CT	1	6	6	3	3	##		15	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997												CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
A/N37U-1 Mech. Minesweeping	96		6	0	6												2	2	2											0
" "	97		9	0	9		A												1	2	2	2	2							0

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999												CALENDAR YEAR 2000									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Remarks:

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21										DATE September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**						Weapon System **N/A**				P-1 ITEM NOMENCLATURE **Airborne Mine Countermeasure**
		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
Magnetic Cable	COGENT, ENGLAND	2	6	6	3	3	4		7	
" "	" "				3	3		4	7	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997												CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Magnetic Cable	98		12	0	12																							A		12

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999												CALENDAR YEAR 2000									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Magnetic Cable	98		12	0	12							12																		0
" "	99		13	0	13	A							13																	0

Remarks:

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: SEPTEMBER 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**	P-1 ITEM NOMENCLATURE **LAMPS MK III SHIPBOARD EQUIPMENT**
Program Element for Code B Items:	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	**$379.1**		**$6.1**	**$14.5**	**$4.0**	**$5.8**	**$0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**		**$409.5**

The LAMPS MK III Ship/Air Weapon System is a computer integrated ship/helicopter system that increases the effectiveness of surface combatants. The Weapon System is a multi-approach funded program. The OPN-3 program funds the LAMPS shipboard equipment for installation in existing ships being backfitted with the LAMPS MK III Upgrade. Procured under this line are:

(1) AN/SRQ-4, a shipboard terminal data transmission device.

(2) The Recovery, Assist, Securing and Traversing (RAST) System; the Horizon Reference Set, and Flight Deck Status and Signal System.

(3) The Alternate Traversing System (ATS) replaces the RAST as an interim system for the SH-60B. The ATS consists of a C-130 cargo winch and associated ground handling equipment for straightening and traversing the aircraft under limited sea state conditions.

(4) Acoustic Processor DDG-993, a Sonar Signal Processing System.

The LAMPS MK III Upgrade is comprised of the above equipment and is to be installed aboard DDG-993 class ships. The AN/SRQ-4 is an electronic device which receives electronic surveillance countermeasures, radar video, and acoustic data; and, transmits secure voice, shipboaord computer, and air navigation data. The ATS is used to launch and recover LAMPS MK III helicopters from LAMPS ships. The acoustic Processor accepts acoustic data and selects, records, reproduces, processes, and displays the data as controlled by the Acoustic Sensor Operator.

FY98 supports close-out of the LAMPS MK III Upgrade program.

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System	DATE: SEPTEMBER 1997
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA-3 AVIATION SUPPORT EQUIPMENT**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **LAMPS MK III SHIPBOARD EQUIPMENT - U3S1**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S1005	SYSTEM INTEGRATION					700			782									
S1009	ACOUSTIC PROCESSOR			4	275	1,100												
S1800	INTEGRATED LOGISTICS SUPPORT					100			100									
S1830	PRODUCTION ENGINEERING QA/TE					517			300									
S1900	INSTALLATION OF EQUIPMENT (FMP)					3,660			13,366			3,990			5,805			
	PRIOR YEARS		379,058															
			379,058	**4**	**275**	**6,077**			**14,548**			**3,990**			**5,805**			**0**

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System		DATE: SEPTEMBER 1997
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD 144/ U3S1	

COST CODE	ELEMENT OF COST	FY 2000			FY 2001			FY 2002			FY 2003			To Complete		Total	
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost
S1005	SYSTEM INTEGRATION																1,482
S1009	ACOUSTIC PROCESSOR																1,100
S1800	INTEGRATED LOGISTICS SUPPORT																200
S1830	PRODUCTION ENGINEERING QA/TE																817
S1900	INSTALLATION OF EQUIPMENT (FMP)																26,821
	PRIOR YEARS																379,058
				0			**0**			**0**			**0**		**0**		**409,478**

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: DDG-993 CLASS SHIPS TYPE MODIFICATION: MODIFICATION TITLE: LAMPS MK III UPGRADE

DESCRIPTION/JUSTIFICATION:

The LAMPS MK III Upgrade SHIPALT 334, installs and integrates LAMPS capability on DDG-993, DDG-994, DDG-995, and DDG-996. The LAMPS MK III system is a computer integrated ship-helicopter weapons system that greatly increases the effectiveness of surface combatants and consists of the Acoustic Processor, unique LAMPS MK III data link (AN/SRQ-4), and the Helicopter Landing System or Alternate Traversing System.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								0
PROCUREMENT																								0
INSTALLATION KITS																								0
INSTALLATION KITS - UNIT COST																								0
INSTALLATION KITS NONRECURRING																								0
EQUIPMENT			4	1,100																			4	1,100
EQUIPMENT NONRECURRING																								0
ENGINEERING CHANGE ORDERS																								0
DATA																								0
TRAINING EQUIPMENT																								0
SUPPORT EQUIPMENT																								0
INTEGRATED LOGISTICS SUPPORT				100		100																		200
FIELD ACTIVITY SUPPORT				1217		1082																		2,299
INSTALL COST				3,660	1	13,366		3,990		5,805													1	26,821
PRIOR YEARS		379,058																						379,058
TOTAL PROCUREMENT		379,058		6,077		14,548		3,990		5,805		0		0		0		0		0				409,478

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: **DDG-993 CLAS SHIPS** MODIFICATION TITLE: LAMPS MK III UPGRADE

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: **N/A**
ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEADTIME: N/A
CONTRACT DATES: FY 1997: N/A FY 1998: N/A FY 1999: N/A
DELIVERY DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

($ in Millions)

Cost:	Prior Years		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total	
	Qty	**$**	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS FY90-94				3660																				3,660
FY 1995 EQUIPMENT					1	13,366		3,990		5,805													1	23,161
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
TOTAL INSTALLS				3660	1	13,366		3,990		5,805													1	26,821

INSTALLATION SCHEDULE:

	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Out	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: **September 1997**
APPROPRIATION/BUDGET ACTIVITY - 3 **OTHER PROCUREMENT, NAVY/AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE: RECONNAISSANCE ELECTRONIC WARFARE REWSON PHOTOGRAPHIC EQUIPMENT - Y3S4
Program Element for Code B Items: **BA 3 - AVIATION SUPPORT EQUIPMENT**	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	**54.4**		**0.6**	**0.6**	**0.7**	**0.7**	**0.9**	**1.1**	**1.2**	**1.2**	**1.2**	**CONT**	**CONT**

REWSON: Reconnaissance Electronic Warfare Special Operations Navy

This line procures photographic film processing, printing, and film interpretation equipment for the exclusive support of the on-going intelligence mission of CV/CVNs. Specifically, this equipment primarily supports the mission of the F-14 borne Tactical Airborne Reconnaissance Pod System (TARPS) as well as related Carrier Intelligence Center (CVIC) photographic requirements, and the hand held intelligence photography collected by the embarked Airwing (nine squadrons) and deployed Carrier Battle Group (CVBG). The CVBG normally consists of the CV/CVN and its support ships.

Also, this equipment supports the photographic intelligence that is disseminated from internal and National sources to the Airwing (CVW) and CVBG. TARPS imagery is often provided to in-theater NATO forces as well. TARPS remains the only tactical aerial photographic reconnaissance asset in theater and is directly controlled by the Theater Commander.

This line also procures digital equipment for the exploitation, interpretation and printing of digital imagery downlinked from TARPS. The digital suites can be expanded into the future to be used for exploitation of video imagery from tactical and strategic reconnaissance systems (including FLIR).

The FY96-03 funds are continuing to procure the needed inventory objective of subject equipments. They are also providing new equipment for scanning and digital dissemination of TARPS film imagery.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a													DATE: September 1997
APPROPRIATION/BUDGET ACTIVITY - 3 OTHER PROCUREMENT, NAVY/AVIATION SUPPORT EQUIPMENT								P-1 ITEM NOMENCLATURE REWSON PHOTOGRAPHIC EQUIPMENT - Y3S4					
Procurement Items (In Thousands)	ID Code	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
Digital Base Station													
Quantity		0	0	0	3	3	3	4	4	4	4	CONT	CONT
Funding		0	0	0	450	465	480	660	680	700	720		
Other Costs		54,354	553	591	286	228	395	473	475	478	485		
Total P-1 Funding		54,354	553	591	736	693	875	1,133	1,155	1,178	1,205		

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System		DATE: **September 1997**
APPROPRIATION/BUDGET ACTIVITY - 3 **OTHER PROCUREMENT, NAVY/AVIATION SUPPORT EQUIPMENT**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **REWSON PHOTOGRAPHIC EQUIPMENT - Y3S4**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S4019	MISC SMALL EQUIPMENT & ECPS		1,572			453			228			0			79			136
S4830	PRODUCTION ENGINEERING & LOGISTICS		618			100			363			286			149			259
S4100	DIGITAL BASE STATION					0			0	3	150	450	3	155	465	3	160	480
	VARIOUS OTHER COSTS, FY 94 & PRIOR *		52,164															
			54,354			**553**			**591**			**736**			**693**			**875**

*The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 1995 and beyond.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE September 1997

B. APPROPRIATION/BUDGET ACTIVITY - 3	C. P-1 ITEM NOMENCLATURE
OTHER PROCUREMENT, NAVY AVIATION SUPPORT EQUIPMENT	REWSON PHOTOGRAPHIC EQUIPMENT - Y3S4

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
S4100										
DIGITAL BASE STATION										
FY 1997	3	150	NRAD, Philadelphia	Apr-97	C/MIPR/FP	TBD	Jun-97	Sep-97	YES	N/A
FY 1998	3	155	NRAD, Philadelphia	Apr-98	C/MIPR/FP	TBD	Jun-98	Sep-98	YES	N/A
FY 1999	3	160	NRAD, Philadelphia	Apr-99	C/MIPR/FP	TBD	Jun-99	Sep-99	YES	N/A

D. REMARKS

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21										DATE September 1997
APPROPRIATION/BUDGET ACTIVITY - 3 **AIRCRAFT PROCUREMENT/NAVY SUPPORT EQUIPMENT**						Weapon System				P-1 ITEM NOMENCLATURE **REWSON PHOTOGRAPHIC EQUIP - Y3S4**
		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
Digital Base Station	TBD					8 mos	3 mos	3 mos	11 mos	E

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												FISCAL YEAR 1998												BAL
						1996			CALENDAR YEAR 1997												CALENDAR YEAR 1998									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Digital Base Station	97		3											A			3													0
Digital Base Station	98		3																							A			3	0

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1999												FISCAL YEAR 2000												BAL
						1998			CALENDAR YEAR 1999												CALENDAR YEAR 2000									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Digital Base Station	99		3											A			3													0

Remarks:

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY - 3 **AIRCRAFT PROCUREMENT, NAVY**	DATE: **September 1997**
P-1 ITEM NOMENCLATURE **REWSON PHOTOGRAPHIC EQUIPMENT - Y3S4**	Admin Leadtime (after Oct1): **8 mos**	Prod Leadtime : **3 mos**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	**0**	**3**	**3**	**3**	**4**	**4**	**4**	**4**
Unit Cost	**0**	**150**	**155**	**160**	**165**	**170**	**175**	**180**
Total Cost	**0**	**450**	**465**	**480**	**660**	**680**	**700**	**720**
Asset Dynamics								
Beginning Asset Position	0	0	3	6	9	13	17	21
Deliveries from all prior year funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 funding	0	3	0	0	0	0	0	0
Deliveries from FY 1998 funding	0	0	3	0	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	3	0	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	4	4	4	4
Other Gains	0	0	0	0	0	0	0	0
Combat Losses/Usage	0	0	0	0	0	0	0	0
Training Losses/Usage	0	0	0	0	0	0	0	0
Test Losses/Usage	0	0	0	0	0	0	0	0
Other Losses/Usage	0	0	0	0	0	0	0	0
Disposals/Retirements/Attritions/etc.	0	0	0	0	0	0	0	0
End oy Year Asset Position	0	3	6	9	13	17	21	25
Inventory Objective or Current Authorized Allowance	54	54	54	54	54	54	54	54

Inventory Objective 54	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI
Other: 54	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:
TOTAL:					Storage:

Remarks:

Inventory objective of 54 equals:

Four digital base stations per ship (4*12=48)	48
Two digital base stations each for three shore activities (2*3=6)	6
	54

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA 3 - Aviation Support Equipment**	P-1 ITEM NOMENCLATURE **STOCK SURVEILLANCE EQUIPMENT**
Program Element for Code B Items:	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	$29.8		$1.4	$1.5	$1.6	$1.6	$0.0	$0.0	$0.0	$0.0	$0.0	**$0.0**	**$35.9**

PROGRAM DESCRIPTION/JUSTIFICATION/EXECUTION: The NAVAIRSYSCOM (AIR-3.1.1A) Stock Surveillance Equipment (SRV) Program furnishes varied specialized and ancillary test equipment/systems for air-to-air and air-to-ground missiles, ordnance, ammunition and their related components. The SRV Program directly supports the Systems Effectiveness Engineering (SEE) Program. The SRV Program helps to provide accurate indicators for Fleet readiness in regard to safety, serviceability, reliability, availability, quality and mission effectiveness. The following SEE activities participate in the SRV Program: NAVSURFWARCENDIV Crane, NAVSURFWARCENDIV Indian Head, and NAVAIRWARCENDWPNDIV Point Mugu.

NAVSURFWARCENDIVs Crane and Indian Head are responsibile for procurement of missile and ordnance energetic test equipment. NAVAIRWARCENWPNDIV Point Mugu is responsible for procurement of missile electronic component test and analysis equipment to analyze missile firing telemetry data.

AIR-LAUNCHED GUIDED MISSILES - All-Up-Round (AUR) missiles presently supported are: Phoenix, Sidewinder, Sparrow, AMRAAM, Harpoon, HARM, Hellfire, Maverick, Sidearm, Paveway III and Walleye and their related equipment.

AIRBORNE ORDNANCE/AMMUNITION/SPECIAL STORES - Weapons/Stores presently supported are: aircrew escape propulsion systems, cartridges, explosive ordnance system devices, cartridge actuated devices, common aircrew ejection seat, gun ammunition, fuzing systems, pyrotechnics, aircraft rockets, general purpose bombs and cluster weapons and their related components.

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System		DATE: **September 1997**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA 3 - Aviation Support Equipment**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **Stock Surveillance Equipment**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S2005	Air-Launched Guided Missiles		23,834			918			700			928			1,011			0
S2006	Air-Launched Ordnance		5,959			465			759			625			575			0
			29,793			**1,383**			**1,459**			**1,553**			**1,586**			**0**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE Septmeber 1997
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy **BA 3 - Aviation Support Equipment**	C. P-1 ITEM NOMENCLATURE **STOCK SURVEILLANCE EQUIPMENT**	SUBHEAD 43S2

COST ELEMENT/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
S2005 Air-Launched Guided Missile										
FY 1996										
DETONATOR BALLISTIC CHAMBER	1	130.0	CRANE		C/FP	TBD	Jun-96	May-97	Yes	N/A
FY 1997										
DIURNAL CYCLE CONDITIONING CHAMBER	1	126.0	CRANE		C/FP	TBD	Jun-97	May-98	Yes	N/A
SCANNING PROBE SURFACE ANALYSIS SYSTEM	1	115.0	CRANE		C/FP	TBD	Jun-97	May-98	Yes	N/A
COMPLETE GRAPHICAL DRLOG UPGRADE (PART A)	1	117.5	POINT MUGU		C/FP	TBD	Jul-97	May-98	Yes	N/A
AWARS/DRLOG ON-BOARD STATISTICAL ANALYSIS/METRICS	1	125.0	POINT MUGU		C/FP	TBD	Jul-97	May-98	Yes	N/A
FY 1998										
VXI-BASED TEST SYSTEM	1	330.0	CRANE		C/FP	TBD	Jun-98	May-99	Yes	N/A
REAL TIME X-RAY SYSTEM FOR LARGE MOTOR TEST (LMT)	1	280.0	INDIAN HEAD		C/FP	TBD	Jun-98	May-99	Yes	N/A

D. REMARKS

ONLY EQUIPMENT PROCUREMENTS OVER $100K ARE IDENTIFIED.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE September 1997
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy **BA 3 - Aviation Support Equipment**	C. P-1 ITEM NOMENCLATURE **STOCK SURVEILLANCE EQUIPMENT**	SUBHEAD 43S2

COST ELEMENT/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
S2006 Air-Launched Ordnance										
FY 1996										
SCANNING ELECT. MICRO.	1	235.0	CRANE		C/FP	TBD	Jun-96	May-97	Yes	N/A
FY 1997										
PYROTECHNIC/PROPELLANT TEST CONTAINMENT CHAMBER	1	231	CRANE		C/FP	COMARCO Bloomfield, IN	Aug-97	May-98	Yes	N/A
CONDITIONING CHAMBERS (-100 F to +200 F)	2	135	INDIAN HEAD		C/FP	TBD	Aug-97	May-98	Yes	N/A
FY 1998										
PARTICLE ABATEMENT SYSTEM	1	300.0	CRANE		C/FP	TBD	Jun-98	May-99	Yes	N/A
TEMPERATURE/HUMIDITY CHAMBER	1	134.0	INDIAN HEAD		C/FP	TBD	Jun-98	May-99	Yes	N/A

D. REMARKS

ONLY EQUIPMENT PROCUREMENTS OVER $100K ARE IDENTIFIED.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY BA3 - AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE **OTHER AVIATION SUPPORT EQUIPMENT**
Program Element for Code B Items:	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	$182.3		$16.4	**$20.1**	**$7.7**	**$6.2**	**$4.4**	**$4.4**	**$3.2**	**$3.2**	**$3.3**	**CONT**	**CONT**

The following items are funded in this line:
1. Tactical Aircraft Mission Planning Systems (TAMPS) - FY 1996 only
2. Industrial Facilities Equipment
3. Capital Automated Data Processing Equipment (ADPE)
4. NAVAIR Support Equipment (ADPE) - FY 1996 only

1. Tactical Aircraft Mission Planning System (TAMPS)

*In FY 1997 and beyond TAMPS is budgeted in OPN BA 2 under P-1 line item , TAC A/C MISSION PLANNING SYS (TAMPS).
Detailed justification for the TAMPS is provided in the OPN BA 2 backup book.

2. Industrial Facilities Equipment

This item supports funding of capital costs associated with the Navy's governement-owned but contractor-operated Deep Water Test Facility at San Clemente Island.

3. Capital ADPE

Procurements supporting the NAVAIR organization (NALDA and I/ETMS), which were formerly budgeted and managed under the Computer Acquisition Program (CAP) in FY 1995 and prior is now directly controlled by NAVAIR, effective FY 1996. Details regarding these NAVAIR Capital ADPE projects are provided below:

3a. Naval Aviation Logistics Data Analysis (NALDA):

NAVAIR was directed by the CNO to extend NALDA to additional USN and USMC activities, principally the Fleet and to all NAVAIR Team sites. Sufficient automated data processing equipment (ADPE) and accessibility to the NALDA data base is presently not available at most Navy and Marine Corps Fleet level maintenance and repair facilities. The ADPE is necessary to eliminate the current on-going degradation of their capability to make informed decisions affecting material readiness, safety, and resource allocations.

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: **September 1997**
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY BA3 - AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE **OTHER AVIATION SUPPORT EQUIPMENT**
Program Element for Code B Items:	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	$182.3		$16.4	**$20.1**	**$7.7**	**$6.2**	**$4.4**	**$4.4**	**$3.2**	**$3.2**	**$3.3**	**CONT**	**CONT**

NALDA is the aviation logistics and engineering communities corporate integrated logistics support (ILS) data system to accommodate logistics data reporting requirements and performance of critical mission analysis to achieve Affordable Readiness and Total Cost of Ownership decision-making. NALDA provides the following capabilities: (1) a cost-effective, integrated aviation maintenance/logistics data bank; (2) standardized procedures for data access and data analysis techniques; (3) aviation hardware/software/firmware configuration management/tracking capabilities; (4) consolidation of redundant autonomous systems into a single system; (5) standardized, aviation-wide MIS Support; (6) a Logistics Support Analysis Record (LSAR) data system; (7) an accurate configuration management and serial number tracking data system implemented using the SMIS software for aviation weapons systems - the fleet's number one priority to improve readiness and safety of flight; (8) more timely (daily) receipt of fleet AV-3M and configuration data; (9) ability to access centralized fleet-wide, near real-time, operational readiness data from NALDA in accordance with DOD data security regulation; (10) Logistics Management Decision Support System (LMDSS); (11) Technical Data interfaces to JEDMICS and TMPODS; (12) Aircraft Inventory and Readiness Reporting System (AIRRS); (13) Contractor Maintenance and CITIS interfaces; (14) Training and Manpower Logistics data; (15) Total Cost of Ownership; (16) Infrastructure to deploy JLSC MM and JCALS standard systems to the TEAM and Fleet; and (17) Other ILS elements. Information available from the NALDA data bank consists of aviation maintenance, engineering, operational readiness, safety, configuration management, parts life tracking, and other critical logistics data for all naval aircraft, engines, components, support equipment, airborne weapons, and other aviation weapons equipment.

Funding budgeted in FY 1998 is required to provide the additional hardware, networking, systems and applications software and infrastructure necessary to deploy Total Cost of Ownership and affordable Readiness functional capabilities described above to additional TEAM/Fleet activities. NALDA information and tools will enable significant cost reductions in naval aviation logistics, achieving more affordable readiness, eliminating redundant logistics information systems, improving aircraft configuration management and safety of flight, and permitting improved aircraft inventory and life extension management needed to permit recapitalization and modernization.

Data reporting requirements for the NALDA system are directed by OPNAV and NAVAIR as defined primarily by the Naval Aviation Maintenance Program (NAMP) manual. Users of the NALDA system are located at all TEAM/Fleet, TYCOMS, Wings, Intermediate Maintenance Activities, and other aviation logistics activities. The NALDA system architecture is compliant with the DISA TAFIM and Common Operating Environment (COE).

3b. Interactive/Electronic Technical Manual System (I/ETMS)
I/ETMS is a strategy which supports the Automated Library Technical Manual System (ALTMS) and Automated Technical Information System (ATIS), NAVAIR application ATIS (AIR) programs.

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: September 1997
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY BA3 - AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE **OTHER AVIATION SUPPORT EQUPMENT**
Program Element for Code B Items:	Other Related Program Elements

	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY													
COST (In Millions)	$182.3		$16.4	**$20.1**	**$7.7**	**$6.2**	**$4.4**	**$4.4**	**$3.2**	**$3.2**	**$3.3**	**CONT**	**CONT**

I/ETMS - con't

The objective of the I/ETMS strategy is to provide the capability to receive and use digital technical information in the support of developing and fielding Naval Aviation Weapon Systems and Equipment. I/ETMS is the result of a DOD/DON CALS implementation requirement to eliminate paper technical manuals and provide electronic technical manuals to the aviation maintenance community. The I/ETMS configuration consists of the hardware, software, and network interfaces to support fleet maintenance activity to receive, store, and use electronically presented maintenance technical information.

ATIS (AIR) is designed to develop and implement at intermediate level maintenance activities an automated system for the distribution, delivery, and display of digital technical data, which will augment the capability provided by ALTMS. ATIS (AIR) is intended to satisfy requirements for value-added digital delivery, improved maintenance and supply functionality, and provide interfaces to existing fleet information systems (ISs).

4. NAVAIR Support Equipment:
Includes investment equipment used in the operation of NAVAIR Headquarter, and NAVAIR Field Activities such as the Naval Air Warfare Center, Training Systems Division, Orlando, FL., the Pacific Missile Range Facilities (PMRF), Hawaii, and the Naval Air Technical Services Facility (NATSF), Philadelphia. Support equipment is evaluated on a cost-effective (lease vs. purchase) basis. The FY 1996 program (cost code S7020, OIS Headquarters SE) provides for the procurement of necessary upgrades to the existing NAVAIR headquarters Network (NHN), Standard Procurement System (SPS), and Workload Planning System (WPS). The NHN provides an integrated data communications network that extends the capabilities of the Naval Air Systems Command, its Program Executive Offices, and Naval Air Warfare Center Headquarters to support management of aviation design, development, engineering, logistics support, contract and budgetary data. The SPS Funding provides for the procurement of necessary upgrades to the NAVAIR Team-wide computer infrastructure to support the rapid deployment schedule associated with the stand-up of SPS. SPS is a DOD-wide standard acquisition automated system which is mandated by OSD. The WPS funding provides for a data repository to maintain corporate workload planning information. WPS will provide valuable feedback on the rate and quality of the command's execution to plan and provide the basis for smart investment decisions when trade-offs in capability and capacity are necessary.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS
P-40a

DATE: **September 1997**

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY Other Aviation SE

P-1 ITEM NOMENCLATURE
Other Aviation SE/ OIS Headquarter/Field SE

Procurement Items	ID Code	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
S7020													
NHN		26861	785										
Merline Procurement		1791											
Servers				**$805.0**									
PMIS		1217											
JAMS			2413										
MISC HW/SW		2637											
S7021													
MISC HW/SW		699	268										

P-1 SHOPPING LIST

CLASSIFICATION:

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UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS	Weapon System P-5		DATE:
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA-3 Aviation Support Equipment**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **OTHER AVIATION SUPPORT EQUIPMENT 43S7/U3S7/Y3S7**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S7011	NON OIS- Field Support Equipment		1,498			0			0			0			0			0
	PEO (T) TAMPS		145,744			12,686			4,906			*			*			*
S7030	PEO (A) Industrial Facilities Equipment		1,823			189			172			188			187			233
	Capital ADPE																	
S7040	NALDA								5,016			4,605			5,978			4,134
									S7060	IETMS								
			182,270			**16,368**			**20,123**			**7,654**			**6,165**			**4,367**

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UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System		DATE: **September 1997**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA-3 Aviation Support Equipment**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **OTHER AVIATION SUPPORT EQUIPMENT 43S7/U3S7/Y3S7**	

COST CODE	ELEMENT OF COST	FY 2000			FY 2001			FY 2002			FY 2003			To Complete		Total	
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost
S7030	PEO (A) Industrial Facitities Equpment			224			228			232			238		CONT		CONT
S7040	NALDA			4,163			2,932			2,992			3,063		CONT		CONT
				4,387			**3,160**			**3,224**			**3,301**		**CONT**		**CONT**

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UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE September 1997
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3 - AVIATION SUPPORT EQUIPMENT	C. P-1 ITEM NOMENCLATURE OTHER AVIATION SUPPORT EQUIPMENT	SUBHEAD 43S7/U3S7/Y3S7

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
S7040- NALDA										
FY 1996	14**	358	NAVSUP/SPCC			FDSC*	01/96	07/96	YES	N/A
FY 1997	16**	288	NAVSUP/SPCC			FDSC*	01/97	07/97	YES	N/A
FY 1998	20**	299	NAVSUP/SPCC			FDSC*	01/98	07/98	YES	N/A
FY 1999	14**	294	NAVSUP/SPCC			FDSC*	01/99	07/99	YES	N/A

D. REMARKS

* FDSC is the Federal Data Systems Corporation (FDSC) NAVSUP SPLICE contract #n66032-D-84-0002.

** Quantities reflect complete systems comprised of several components.