BUDGET ITEM JUSTIFICATION SHEET

DATE February 2004

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

P-1 ITEM NOMENCLATURE
METEOROLOGICAL EQUIPMENT 4226

SUBHEAD
53SP

	PY	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	TO COMP	TOTAL	
QUANTITY											
COST (in millions)		**$27.1**	**$25.4**	**$20.1**	**$25.9**	**$22.6**	**$27.4**	**$30.7**	**Cont**	**Cont**	

PROGRAM COVERAGE/JUSTIFICATION FOR BUDGET YEAR REQUIREMENTS:

This item provides new and replacement meteorological equipment for all Navy and 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:

Satellite Receiver Upgrades (AN/SMQ-11 and AN/FMQ-17) are environmental satellite receivers that are used to receive and process remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA) satellites, the National Polar-orbiting Operational Environmental Satellite System (NPOESS) satellites, the Geostationary Operational Environmental Satellites (GOES), and the GEOSAT Follow-On (GFO) satellite. The evolutionary upgrades will allow the system to receive and preprocess additional environmental satellites, comply with open systems architecture standards, and provide for antenna replacement.

The Tactical Environmental Support System (TESS) Upgrade - Procures workstations, servers, input/output control devices, and software to support the evolutionary acquisition of TESS. TESS Upgrades include Fleet Numerical Meteorology and Oceanography Center (FNMOC) and Naval Oceanographic Office (NAVO), the five regional centers at Guam, Pearl Harbor, Norfolk, Suitland and Rota Spain, and afloat and ashore sites.

The Shipboard Meteorological and Oceanographic Observing System Replacement (SMOOS(R)) consists of various configurations of environmental sensors, automated data acquisition and processing systems, multiple system interfaces, and displays. The SMOOS(R) system will provide a tailorable METOC sensor suite for all identified ship classes and selected Air Stations, and will provide for all required METOC observations. Sensor upgrades and hardware and software technology refreshment is essential for the continued use of the equipment.

Fleet Marine Force Meteorological Equipment - Meteorological Equipment required to upgrade and replace the Meteorological Mobile Facilities (METMF). The METMF Replacement (METMF (R)) is a fully integrated, single van 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) is equipped to support Marine Air-Ground Task Force (MAGTF) operations world wide.

Aviation Safety System Upgrades are GOTS/COTS hardware and associated software upgrades to installed, procured safety of flight equipment, such as Next Generation Radar (NEXRAD), Automated Surface Observing System (ASOS), Supplemental Weather Radar (SWR) and Mini-Rawin System (MRS) installed at all Navy and Marine Corps Air facilities worldwide. The Aviation Safety System Upgrades project 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.

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

COST ANALYSIS

DATE February 2004

APPROPRIATION ACTIVITY
OP,N - BA3 AVIATION SUPPORT EQUIPMENT

SUBHEAD
53SP

COST CODE	ELEMENT OF COST	ID CODE	PY TOTAL COST	FY 2003 QTY	FY 2003 UNIT COST	FY 2003 TOTAL COST	FY 2004 QTY	FY 2004 UNIT COST	FY 2004 TOTAL COST	FY 2005 QTY	FY 2005 UNIT COST	FY 2005 TOTAL COST
SP051	Satellite Receiver Upgrades (Space)	A		VAR		1,612	VAR		1,745	VAR		1,790
SP190	TESS Upgrades	A		VAR		15,634	VAR		13,942	VAR		11,514
SP200	SMOOS(R) [1]	A		4	339.3	1,357	0		0	0		0
SP300	Met Equipment (METMF(R))	A										
	Met Equipment (METMF(R)) Upgrades	A		VAR		2,677	VAR		2,701	VAR		1,818
SP550	Aviation Safety System Upgrades	A		VAR		822	VAR		3,383	VAR		1,750
SP555	Production Support	A				**106**	VAR		**106**			**106**
	Satellite Receiver Upgrades (Space)					106			106			106
	TESS Upgrades											
SP777	Installation					4,934			3,516			3,156
	Non-FMP			VAR		1,172	VAR		940	VAR		850
	FMP			VAR		3,762	VAR		2,576	VAR		2,306
	FMP					3,152			2,087			1,785
	DSA					610			489			521
	TOTAL CONTROL					**27,142**			**25,393**			**20,134**

Remarks: "Various" quantities represent system and subsystem upgrades of various hardware/software configurations that are dependent upon the type of site or platform. The number of installations are identified for each system on the corresponding P-3A exhibits.

[1] SMOOS unit cost varies based hardware/software configuration dependent on the platform. SMOOS terminated after FY03.

PROCUREMENT HISTORY AND PLANNING

A. DATE February 2004

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

C. P-1 ITEM NOMENCLATURE METEOROLOGICAL EQUIPMENT 4226

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
SP200	SMOOS(R)	03	Coastal Environmental Systems Seattle, WA	OPTION	SPAWAR		Jan-03	May-03	4	339,300	YES	N/A

D. REMARKS

UNCLASSIFIED

MODIFICATION TITLE: SATELLITE RECEIVER UPGRADES (SPACE) - (SHIP) February 2004
COST CODE SP051
MODELS OF SYSTEMS AFFECTED:
DESCRIPTION/JUSTIFICATION: Satellite Receiver Upgrades (AN/SMQ-11 and AN/FMQ-17) are environmental satellite receivers that are used to receive and process remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA) satellites, the National Polar-orbiting Operational Environmental Satellite System (NPOESS) satellites, the Geostationary Operational EnvironmentalSatellites (GOES), and the GEOSAT Follow-On (GFO) satellite. The evolutionary upgrades 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)

	Prior Yrs		FY 02		FY 03		FY 04		FY 05		FY 06		FY 07		FY 08		FY 09		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment	VAR		VAR	1.153	VAR	0.812	VAR	0.902	VAR	0.951	VAR	0.989	VAR	1.030	VAR	1.043	VAR	1.068	CONT			CONT
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Production Support				0.056		0.053		0.053		0.053		0.054		0.054		0.055		0.055				
DSA				0.000		0.076		0.079		0.086		0.088		0.090		0.093		0.095				
Interm Contractor Support																						
Installation of Hardware	56		0	0.000	14	0.345	14	0.359	14	0.356	14	0.357	14	0.364	14	0.371	14	0.378	CONT	CONT		CONT
PRIOR YR EQUIP	56																				56.0	0.0
FY 00 EQUIP																					0.0	0.0
FY 01 EQUIP			0	0.000																	0.0	0.0
FY 02 EQUIP					14	0.345															14.0	0.3
FY 03 EQUIP							14	0.359													14.0	0.4
FY 04 EQUIP									14	0.356											14.0	0.4
FY 05 EQUIP											14	0.357									14.0	0.4
FY 06 EQUIP													14	0.364							14.0	0.4
FY 07 EQUIP															14	0.371					14.0	0.4
FY 08 EQUIP																	14	0.378			14.0	`
FY 09 EQUIP																						
FY TC EQUIP																			CONT		0.0	0.0
TOTAL INSTALLATION COST		0.0		0.000		0.421		0.438		0.442		0.445		0.454		0.464		0.473		CONT		CONT
TOTAL PROCUREMENT COST		0.0		1.209		1.286		1.393		1.446		1.488		1.538		1.562		1.596		CONT		CONT

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 1 month PRODUCTION LEADTIME: 10 months

CONTRACT DATES:	FY 2002:	Nov-01	FY 2003:	Nov-02	FY 2004:	Nov-03	FY 2005:	Nov-04
DELIVERY DATES:	FY 2002:	Aug-02	FY 2003:	Aug-03	FY 2004:	Aug-04	FY 2005:	Aug-05

INSTALLATION SCHEDULE:	PY	FY 04 1	FY 04 2	FY 04 3	FY 04 4	FY 05 1	FY 05 2	FY 05 3	FY 05 4	FY 06 1	FY 06 2	FY 06 3	FY 06 4
INPUT	70	3	4	3	4	3	4	3	4	3	4	3	4
OUTPUT	70	3	4	3	4	3	4	3	4	3	4	3	4

INSTALLATION SCHEDULE:	FY 07 1	FY 07 2	FY 07 3	FY 07 4	FY 08 1	FY 08 2	FY 08 3	FY 08 4	FY 09 1	FY 09 2	FY 09 3	FY 09 4	TC	TOTAL
INPUT	3	4	3	4	3	4	3	4	3	4	3	4	CONT	CONT
OUTPUT	3	4	3	4	3	4	3	4	3	4	3	4	CONT	CONT

Notes/Comments:

Exhibit P-3a, Individual Modification Program

Unclassified Classification

UNCLASSIFIED

MODIFICATION TITLE: SATELLITE RECEIVER UPGRADES (SPACE) - (SHORE) February 2004

COST CODE SP051

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION: Satellite Receiver Upgrades (AN/SMQ-11 and AN/FMQ-17) are environmental satellite receivers that are used to receive and process remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA) satellites, the National Polar-orbiting Operational Environmental Satellite System (NPOESS) satellites, the Geostationary Operational EnvironmentalSatellites (GOES), and the GEOSAT Follow-On (GFO) satellite. The evolutionary upgrades 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)

	Prior Yrs		FY 02		FY 03		FY 04		FY 05		FY 06		FY 07		FY 08		FY 09		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment	VAR		VAR	1.037	VAR	0.800	VAR	0.843	VAR	0.839	VAR	0.835	VAR	0.829	VAR	0.854	VAR	0.870	CONT			CONT
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Production Support				0.055		0.053		0.053		0.053		0.054		0.054		0.055		0.055				
DSA																						
Interm Contractor Support																						
Installation of Hardware	36		13.0	0.000	15.0	0.412	15.0	0.433	15.0	0.437	15.0	0.440	15.0	0.448	15.0	0.456	15.0	0.464	CONT	CONT		CONT
PRIOR YR EQUIP	36																				36.0	0.0
FY 00 EQUIP																					0.0	0.0
FY 01 EQUIP			3.0	0.000																	3.0	0.0
FY 02 EQUIP			10.0	0.000	5.0	0.137															15.0	0.1
FY 03 EQUIP					10.0	0.275	5.0	0.144													15.0	0.4
FY 04 EQUIP							10.0	0.289	5.0	0.146											15.0	0.4
FY 05 EQUIP									10.0	0.291	5.0	0.149									15.0	0.4
FY 06 EQUIP											10.0	0.291	5.0	0.149							15.0	0.4
FY 07 EQUIP													10.0	0.299	5.0	0.153					15.0	0.5
FY 08 EQUIP															10.0	0.303	5.0	0.155			15.0	0.5
FY 08 EQUIP																	10.0	0.309			10.0	0.3
FY TC EQUIP																			CONT		0.0	0.0
TOTAL INSTALLATION COST		0.0		0.000		0.412		0.433		0.437		0.440		0.448		0.456		0.464		CONT	CONT	CONT
TOTAL PROCUREMENT COST		0.0		1.092		1.265		1.329		1.329		1.329		1.331		1.365		1.389		CONT	CONT	CONT

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 1 month PRODUCTION LEADTIME: SMQ-11 = 10 months FMQ-17 = 3 months

CONTRACT DATES:	FY 2002:	Nov-01		FY 2003:	Nov-02		FY 2004:	Nov-03		FY 2005:	Nov-04									
DELIVERY DATES:	FY 2002:	Aug-02	SMQ-11	FY 2003:	Aug-03	SMQ-11	FY 2004:	Aug-04	SMQ-1:	FY 2005:	Aug-05	SMQ-11								
		Feb-02	FMQ-17		Feb-03	FMQ-17		Feb-04	FMQ-17		Feb-05	FMQ-17								

INSTALLATION SCHEDULE:	PY	FY 04 1	FY 04 2	FY 04 3	FY 04 4	FY 05 1	FY 05 2	FY 05 3	FY 05 4	FY 06 1	FY 06 2	FY 06 3	FY 06 4
INPUT	64	4	4	4	3	4	4	4	3	4	4	4	3
OUTPUT	64	4	4	4	3	4	4	4	3	4	4	4	3

INSTALLATION SCHEDULE:	FY 07 1	FY 07 2	FY 07 3	FY 07 4	FY 08 1	FY 08 2	FY 08 3	FY 08 4	FY 09 1	FY 09 2	FY 09 3	FY 09 4	TC	TOTAL
INPUT	4	4	4	3	4	4	4	3	4	4	4	3	CONT	CONT
OUTPUT	4	4	4	3	4	4	4	3	4	4	4	3	CONT	CONT

Notes/Comments:
FY02 minor installs that do not require install teams

Exhibit P-3a, Individual Modification Program

Unclassified
Classification

UNCLASSIFIED

MODIFICATION TITLE: TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADES (SHIP) February 2004
COST CODE SP190
MODELS OF SYSTEMS AFFECTED:
DESCRIPTION/JUSTIFICATION: TESS UPGRADES PROCURES TERMINALS, INPUT/OUTPUT CONTROL DEVICES AND SOFTWARE TO SUPPORT THE EVOLUTIONARY ACQUISITION OF TESS.

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

	Prior Yrs		FY 02		FY 03		FY 04		FY 05		FY 06		FY 07		FY 08		FY09		TC	Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$		Qty	$
RDT&E																					
PROCUREMENT:																					
Kit Quantity																					
Installation Kits																					
Installation Kits Nonrecurring																					
Equipment	20		6	10.078	10	12.404	7	10.656	6	8.814	7	10.899	6	9.490	7	11.366	7	13.284	CONT		CONT
Equipment Nonrecurring																					
Engineering Change Orders																					
Data																					
Training Equipment																					
Production Support				0.185		0.000		0.000		0.000		0.000		0.000		0.000		0.000			
DSA				0.405		0.423		0.410		0.435		0.328		0.286		0.331		0.290			
Interm Contractor Support																					
Installation of Hardware	19		7	1.254	9	2.370	7	1.728	6	1.429	7	1.898	6	1.646	7	1.933	7	1.954	CONT		CONT
PRIOR YR EQUIP	19																			0.0	0.0
FY 00 EQUIP																				0.0	0.0
FY 01 EQUIP			1	0.241																1.0	0.2
FY 02 EQUIP			6	1.443																6.0	1.4
FY 03 EQUIP					9	2.370	1	0.254												10.0	2.6
FY 04 EQUIP							6	1.474	1	0.241										7.0	1.7
FY 05 EQUIP									5	1.188	1	0.270								6.0	1.5
FY 06 EQUIP											6	1.628	1	0.273						7.0	1.9
FY 07 EQUIP													5	1.373	1	0.276				6.0	1.6
FY08 EQUIP															6	1.657	1	0.279		7.0	1.9
FY TC EQUIP																	6	1.675		6.0	1.7
TOTAL INSTALLATION COST				1.659		2.793		2.138		1.864		2.226		1.932		2.264		2.244			CONT
TOTAL PROCUREMENT COST		0.0		11.922		15.197		12.794		10.678		13.125		11.422		13.630		15.2			CONT

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 1 month PRODUCTION LEADTIME: 2 months

CONTRACT DATES:	FY 2002:	Nov-01	FY 2003:	Nov-02	FY 2004: Nov-03 FY 2005: Nov-04
DELIVERY DATES:	FY 2002:	Jan-02 - Sep-02	FY 2003:	Jan-03 - Sep-03	FY 2004: Jan-04 - Sep-04 FY 2005: Jan-05 - Sep-05

INSTALLATION SCHEDULE:	PY	FY 04 1	FY 04 2	FY 04 3	FY 04 4	FY 05 1	FY 05 2	FY 05 3	FY 05 4	FY 06 1	FY 06 2	FY 06 3	FY 06 4
INPUT	35	1	0	3	3	1	0	2	3	1	0	3	3
OUTPUT	32	2	3	1	0	3	3	1	0	2	3	1	0

INSTALLATION SCHEDULE:	FY 07 1	FY 07 2	FY 07 3	FY 07 4	FY 08 1	FY 08 2	FY 08 3	FY 08 4	FY 09 1	FY 09 2	FY 09 3	FY 09 4	TC	TOTAL
INPUT	1	0	2	3	1	0	3	3	1	0	3	3	CONT	CONT
OUTPUT	3	3	1	0	2	3	1	0	3	3	1	0	CONT	CONT

Notes/Comments: Equipment is procured to meet installation availability windows.
Quantified procurements and installations typically include hardware and associated software and an installation beyond the capability of local personnel.

Exhibit P-3a, Individual Modification Program

Unclassified

Classification

UNCLASSIFIED

MODIFICATION TITLE: TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADES (SHORE) February 2004
COST CODE SP190
MODELS OF SYSTEMS AFFECTED:
DESCRIPTION/JUSTIFICATION: TESS UPGRADES PROCURES TERMINALS, INPUT/OUTPUT CONTROL DEVICES AND SOFTWARE TO SUPPORT THE EVOLUTIONARY ACQUISITION OF TESS.

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

	Prior Yrs		FY 02		FY 03		FY 04		FY 05		FY 06		FY 07		FY 08		FY09		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment	21		6	6.437	5	3.230	5	3.286	4	2.700	5	3.485	4	2.913	5	3.876	5	4.015	CONT			CONT
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Production Support				0.158		0.000		0.000		0.000		0.000		0.000		0.000		0.000				
DSA																						
Interm Contractor Support																						
Installation of Hardware	21		6	0.000	5	0.498	5	0.507	4	0.413	5	0.523	4	0.423	5	0.546	5	0.563	CONT	CONT		CONT
PRIOR YR EQUIP	21																				0.0	0.0
FY 00 EQUIP																					0.0	0.0
FY 01 EQUIP																					0.0	0.0
FY 02 EQUIP			6	0 [1]																	6.0	0.0
FY 03 EQUIP					5	0.498															5.0	0.5
FY 04 EQUIP							5	0.507													5.0	0.5
FY 05 EQUIP									4	0.413											4.0	0.4
FY 06 EQUIP											5	0.523									5.0	0.5
FY 07 EQUIP													4	0.423							4.0	0.4
FY 08 EQUIP															5	0.546					5.0	0.5
FY 09 EQUIP																	5	0.563			5.0	0.6
FY TC EQUIP																			CONT		0.0	0.0
TOTAL INSTALLATION COST				0.000		0.498		0.507		0.413		0.523		0.423		0.546		0.563		CONT		CONT
TOTAL PROCUREMENT COST				6.595		3.728		3.793		3.113		4.008		3.336		4.422		4.578		CONT		CONT

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 1 month PRODUCTION LEADTIME: 2 months

CONTRACT DATES:	FY 2002:	Nov-01	FY 2003:	Nov-02	FY 2004:	Nov-03	FY 2005:	Nov-04
DELIVERY DATES:	FY 2002:	Jan-02	FY 2003:	Jan-03	FY 2004:	Jan-04	FY 2005:	Jan-05

INSTALLATION SCHEDULE:	PY	FY 04 1	2	3	4	FY 05 1	2	3	4	FY 06 1	2	3	4
INPUT	32	0	1	2	2	1	1	1	1	0	1	2	2
OUTPUT	32	0	1	2	2	1	1	1	1	0	1	2	2

INSTALLATION SCHEDULE:	FY 07 1	2	3	4	FY 08 1	2	3	4	FY 09 1	2	3	4	TC	TOTAL
INPUT	1	1	1	1	0	1	2	2	0	1	2	2	CONT	CONT
OUTPUT	1	1	1	1	0	1	2	2	0	1	2	2	CONT	CONT

Notes/Comments: Total I/O = 94 sites (reg/prod centers, facilities, detachments, USMC air stations, etc.).
Refresh occurs concurrently with new installations.

[1] Installations are being done by local personnel.

UNCLASSIFIED

MODIFICATION TITLE: SHIPBOARD METEOROLOGICAL AND OCEANOGRAPHIC OBSERVING SYSTEM REPLACEMENT - SMOOS(R) (SHIP) February 2004

COST CODE SP200

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION: The Shipboard Meteorological and Oceanographic Observing System Replacement (SMOOS(R)) consists of various configurations of environmental sensors, automated data acquisition and processing systems, multiple system interfaces, and displays. The SMOOS(R) system will provide a tailorable METOC sensor suite for all identified ship classes and selected Air Stations, and will provide for all required METOC observations.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: ($ in millions)

	Prior Yrs		FY 02		FY 03		FY 04		FY 05		FY 06		FY 07		FY 08		FY09		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment	0	0.0	7	0.726	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0.0	0.0	7	0.7
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Production Support																						
DSA				0.248		0.111		0.000		0.000		0.000		0.000		0.000		0.000				
Interm Contractor Support																						
Installation of Hardware	0	0.0	0	0.000	2	0.437		0.000		0.000		0.000		0.000		0.000		0.000	CONT		CONT	CONT
PRIOR YR EQUIP																					0	0.0
FY 00 EQUIP																					0	0.0
FY 01 EQUIP			0	0.000																	0	0.0
FY 02 EQUIP			0	0.000	7*	0.437															0	0.4
FY 03 EQUIP								0.000													0	0.0
FY 04 EQUIP								0.000													0	0.0
FY 05 EQUIP										0.000											0	0.0
FY 06 EQUIP												0.000									0	0.0
FY 07 EQUIP														0.000							0	0.0
FY 08 EQUIP																0.000					0	0.0
FY 09 EQUIP																		0.000			0	0.0
FY TC EQUIP																					0	0.0
TOTAL INSTALLATION COST		0.0		0.248		0.548		0.000		0.000		0.000		0.000		0.000		0.000		CONT		CONT
TOTAL PROCUREMENT COST		0.000		0.974		0.548		0.000		0.000		0.000		0.000		0.000		0.000		CONT		CONT

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 1 month - FY 02-03 PRODUCTION LEADTIME: 2 months FY02-03

CONTRACT DATES:	FY 2002:	Aug-02	FY 2003:	Mar-03
DELIVERY DATES:	FY 2002:	Oct-02	FY 2003:	May-03

INSTALLATION SCHEDULE:	PY
INPUT	2
OUTPUT	2

INSTALLATION SCHEDULE:	TC	TOTAL
INPUT	0	2
OUTPUT	0	2

*5 SHIP ASSETS TRANSFERRED TO SHORE

Notes/Comments: Equipment procurement/delivery is correlated with ship installation availability windows.

DSA Profile has been changed to meet FMP policy

Exhibit P-3a, Individual Modification Program

Unclassified Classification

UNCLASSIFIED

MODIFICATION TITLE: SHIPBOARD METEOROLOGICAL AND OCEANOGRAPHIC OBSERVING SYSTEM REPLACEMENT - SMOOS(R) (SHORE) February 2004

COST CODE SP200

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION: The Shipboard Meteorological and Oceanographic Observing System Replacement (SMOOS(R)) consists of various configurations of environmental sensors, automated data acquisition and processing systems, multiple system interfaces, and displays. The SMOOS(R) system will provide a tailorable METOC sensor suite for all identified ship classes and selected Air Stations, and will provide for all required METOC observations.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: ($ in millions)

	Prior Yrs		FY 02		FY 03		FY 04		FY 05		FY 06		FY 07		FY 08		FY 09		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment	7	5.628	3	0.332	4	1.357		0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0.0	0.0	14.0	7.3
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Production Support																						
DSA																						
Interm Contractor Support																						
Installation of Hardware	2	0.000	7	0.602	10*	0.262		0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.0	19	0.9
PRIOR YR EQUIP																					0.0	0.0
FY 00 EQUIP																					0.0	0.0
FY 01 EQUIP			5	0.501																	5.0	0.5
FY 02 EQUIP			2	0.101	1	0.262															3.0	0.4
FY 03 EQUIP					4			0.000													4.0	0.0
FY 04 EQUIP								0.000													0.0	0.0
FY 05 EQUIP									0	0.000											0.0	0.0
FY 06 EQUIP											0	0.000									0.0	0.0
FY 07 EQUIP													0	0.000							0.0	0.0
FY 08 EQUIP															0	0.000					0.0	0.0
FY 09 EQUIP																	0	0.000			0.0	0.0
FY TC EQUIP																					0.0	0.0
TOTAL INSTALLATION COST		0.0		0.602		0.262		0.000		0.000		0.000		0.000		0.000		0.000		0.0	19.0	0.9
TOTAL PROCUREMENT COST		5.6		0.934		1.619		0.000		0.000		0.000		0.000		0.000		0.000				

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 1 month - FY 02-03 PRODUCTION LEADTIME: 2 months FY02 -03

CONTRACT DATES:	FY 2002:	Aug-02	FY 2003:	Mar-03	FY 2004:		FY 2005:	
DELIVERY DATES:	FY 2002:	Oct-02	FY 2003:	Jun-03	FY 2004:		FY 2005:	

INSTALLATION SCHEDULE:	PY
INPUT	19
OUTPUT	19

INSTALLATION SCHEDULE:	TC	TOTAL
INPUT	0	19
OUTPUT	0	19

* 5 SHIP ASSETS TRANSFERRED TO SHORE SITES.

Notes/Comments: Total units will be completed in FY03.

Exhibit P-3a, Individual Modification Program

Unclassified Classification

UNCLASSIFIED
CLASSIFICATION

PRODUCTION SCHEDULE

(DOD EXHIBIT P-21)

DATE: February 2004

APPROPRIATION/BUDGET ACTIVITY: OP,N - BA3 Aviation Support Equipment

P-1 ITEM NOMENCLATURE: METEOROLOGICAL EQUIPMENT

SUBHEAD NO.: 53SP

COST CODE	ITEM/MANUFACTURER	FY	SERV	PROC QTY	ACCEP PRIOR TO 1-Oct	BAL DUE AS OF 1-Oct	FISCAL YEAR 03 (CY 02 / CALENDAR YEAR 03)												FISCAL YEAR 04 (CALENDAR YEAR 04)												FISCAL YEAR 05 (CALENDAR YEAR 05)											
							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
SP200	SMOOS(R)	03		4	4					A				2	2																										

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
SMOOS (R)	Coastal Environmental Systems Seattle, WA	10		24	0 MO	1 MO	8 MO	2 MO	241	Units

j

P-1 Shopping List-Item No 095 - 10 of 10

Exhibit P-21 Production Schedule

Unclassified

Classification

Coastal's production line will not be closed in the months no SMOOS units are being produced.