

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2004				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-2 COMMUNICATIONS AND ELECTRONIC EQUIPMENT								P-1 ITEM NOMENCLATURE Fleet Area Control and Surveillance Facility (FACSFAC) (42TT) BLI # 284700				
Program Element for Code B Items: Not Applicable								Other Related Program Elements Not Applicable				
	Prior Years	ID Code		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total
QUANTITY												
COST (In Millions)	\$149.5	N/A		4.221	4.305	3.712	3.885	4.012	4.061	4.157	CONT	CONT
<p>DESCRIPTION:</p> <p>Fleet Area Control and Surveillance Facilities (FACSFAC) are established to provide multi-mission Air Traffic Control and training area management services to the fleet. This service includes scheduling of surface, subsurface, and air operations in off-shore operating areas, surveillance control of air operations and related training evolutions such as Ground Control Intercept and Air Combat Maneuvers. The basic purpose of FACSFAC is to prevent mid-air collisions between military and civilian aircraft and to be responsible for the management and protection of Navy training airspace.</p> <p>Eight FACSFAC system supported sites have been established as follows: FACSFAC Virginia Capes VA, FACSFAC Jacksonville FL, FACSFAC Caribbean (Key West FL), FACSFAC Pensacola FL, FACSFAC San Diego CA, FACSFAC Pearl Harbor HI, NAS Fallon NV and NAWCAD St. Inigoes MD. It is critical to replace FACSFAC equipment in a planned manner to maintain interoperability within the National Airspace System (NAS) and replace unsupportable obsolescent equipment. The FAA and DoD will transition to space-based Air Traffic Management and Digital Communications.</p> <p>Funding in FY 05 provides for procurement and installation of the following:</p> <p>FY 05: 1 Mode S interface (TT171); 1 Communication System Upgrade, (TT180); 5 Flight Planning System Upgrades (TT181); and 8 (ECPs/OCIRs) (TT145).</p>												

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a										DATE:
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA2-COMMUNICATIONS AND ELECTRONICS EQUIPMENT										P-1 ITEM NOMENCLATURE Fleet Area Control and Surveillance Facility (FACSFAC) (42TT)
Procurement Items	ID Code	Prior Years		FY2003	FY2004	FY2005				Total
TT171 MODE S INTERFACE	N/A									
QTY						1				1
FUNDING						0.480				0.48
TT176 DISPLAY REPLACEMENTS	N/A									
QTY		73								73
FUNDING		7.553								7.553
TT177 FACTS 3200 RADAR INPUT CAPACITY UPGRADE	N/A									
QTY				5	3					8
FUNDING		0.960		2.583	1.491					5.034
TT179 AUTOMATIC DEPENDENT SURVEILLANCE (ADS)	N/A									
QTY					2					2
FUNDING					0.384					0.384
TT180 COMMUNICATION SYSTEM UPGRADE	N/A									
QTY						1				1
FUNDING						0.333				0.333
TT181 FLIGHT PLANNING SYSTEM UPGRADE	N/A									
QTY						5				5
FUNDING						0.574				0.574
TT 184 APPROACH CONTROL INTERFACE UPGRADE	N/A									
QTY										0
FUNDING										0.000

P-1 SHOPPING LIST

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System			DATE: February 2004			
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA2-COMMUNICATIONS AND ELECTRONICS EQUIPMENT						ID Code N/A		Fleet Area Control and Surveillance Facility (FACSFAC) (42TT)				
COST CODE	ELEMENT OF COST	ID Code	Prior Years	FY 2003		FY 2004			FY2005			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
TT145	FACSFAC ECPs/OCIRs	N/A	12,365	VAR		330	6	53	320	8	30	238
TT171	MODE S INTERFACE	N/A								1	480	480
TT176	DISPLAY REPLACEMENTS	N/A	7,553									
TT177*	FACTS 3200 RADAR INPUT CAPACITY UPGRADE	N/A	960	5	517	2,583	3	497	1,491			
TT179	AUTOMATIC DEPENDENT SURVEILLANCE (ADS) 2/	N/A					2	192	384			
TT180	COMMUNICATION SYSTEM UPGRADE	N/A								1	333	333
TT181	FLIGHT PLANNING SYS UPGRADE	N/A								5	115	574
TT184	APPROACH CONTROL INTERFACE UPGRADE	N/A										
TT185	DAAS CONVERSION	N/A										
TT800	INTEGRATED LOGISTICS SUPPORT	N/A	3,847			410			350			408
TT830	PRODUCTION ENGINEERING	N/A	9,502			510			571			548
TT900	INSTALLATION (NON-FMP)	N/A	10,483			388			1,189			1,131
TT990	INITIAL TRAINING	N/A	125									
	VARIOUS 1/	N/A	104,728									
			149,563			4,221			4,305			3,712

1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 2002 and beyond
 2/ TT179 Title changed from Global Positioning System to Automatic Dependent Surveillance (ADS) to comply with Federal Aviation Administration (FAA) terminology

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
								February 2004			
B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA2-COMMUNICATIONS AND ELECTRONICS EQUIPMENT					C. P-1 ITEM NOMENCLATURE Fleet Area Control and Surveillance Facility					SUBHEAD 42TT	
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	
N/A											
D. REMARKS											

No contract awards planned

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P3A **INDIVIDUAL MODIFICATION**
 MODELS OF SYSTEM AFFECTED: FACSFAC TYPE MODIFICATION: MODERNIZATION MODIFICATION TITLE: TT145 ECPs/OCIRs

DESCRIPTION/JUSTIFICATION:

The ECP/OCIR program (TT145) provides for the procurement, and or modification, of critically needed electronic systems/equipment needed at Fleet Area Control and Surveillance Facilities (FACSFACs). ECP/OCIR procurements replace and modernize costly-to-maintain systems and equipments in order to increase Air Traffic Control efficiency and safety, improve affordable readiness, and reduce total ownership costs. The following planned ECPs/OCIRs include but are not limited to: FACSFAC San Diego Radio Remote Control OCIR/ ECP for Display Technology Refresh , and NAVSKED OCIR for all FACSFACs.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES Non-Developmental Item (NDI)

	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<u>RDT&E</u>																					
<u>PROCUREMENT</u>																					
INSTALLATION KITS																					
INSTALLATION KITS NRE																					
EQUIPMENT NRE																					
EQUIPMENT																					
ECP	VAR	12.365	VAR	0.330	6	0.320	8	0.238	8	0.243	8	0.125	8	0.128	8	0.128	CONT	CONT	CONT	CONT	
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
PRODUCTION ENGINEERING		0.086		0.270		0.146		0.266		0.151		0.079		0.187		0.092	CONT	CONT	CONT	CONT	
INTEGRATED LOGISTICS SUPPORT		0.070		0.229				0.225		0.139		0.050		0.201		0.051	CONT	CONT	CONT	CONT	
INITIAL TRAINING																	CONT	CONT	CONT	CONT	
OTHER		131.516																			131.516
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST	VAR	4.066	VAR	0.388	6	0.459	8	0.315	8	0.093	8	0.097	8	0.383	8	0.314	CONT	CONT	CONT	CONT	
TOTAL PROCUREMENT		148.103		1.217		0.925		1.044		0.626		0.351		0.899		0.585		CONT			CONT

Exhibit P-3A (Individual Modification) CLASSIFICATION:

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CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

MODELS OF SYSTEMS AFFECTED: FACSFAC MODIFICATION TITLE: TT145 ECPs/OCIRs

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT

ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 4 Months

CONTRACT DATES: FY 2003: N/A FY 2004: N/A FY 2005: N/A
 DELIVERY DATE: FY 2003: N/A FY 2004: N/A FY 2005: N/A

(\$ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total	
	Qty	\$		\$	Qty	\$	Qty	\$												
PRIOR YEARS	VAR	4.066																	VAR	4.066
FY 2003 EQUIPMENT			VAR	0.388															VAR	0.388
FY 2004 EQUIPMENT					6	0.459													6	0.459
FY 2005 EQUIPMENT							8	0.315											8	0.315
FY 2006 EQUIPMENT									8	0.093									8	0.093
FY 2007 EQUIPMENT											8	0.097							8	0.097
FY 2008 EQUIPMENT													8	0.383					8	0.383
FY 2009 EQUIPMENT															8	0.314			8	0.314
TO COMPLETE																	CONT	CONT	CONT	CONT

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				IC	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	0	0	0	0	0	0	6	0	0	0	8	0	0	0	8	0	0	0	8	0	0	0	8	0	0	0	8	0	0	0	8	CONT	CONT	
Out	0	0	0	0	0	0	0	6	0	0	0	8	0	0	0	8	0	0	0	8	0	0	0	8	0	0	0	8	0	0	0	8	CONT	CONT

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**
 MODELS OF SYSTEM AFFECTED: FACSFAC TYPE MODIFICATION: MODERNIZATION MODIFICATION TITLE: TT171 MODE S INTERFACE

DESCRIPTION/JUSTIFICATION:

Upgrade the AN/FYK-17 FACSFAC System to meet requirements of FAA Mode "S" Program. Mode "S" is an enhanced aircraft transponder system with message data link capability. The FAA is implementing Mode "S" to reduce the requirement for ground-to-air voice communications. In accordance with DoD Directive 5030.19, "DoD Responsibilities on Federal Aviation and National Airspace System Matters" (June 15,1997), the DoD must cooperate with the FAA for the effective and efficient management of the National Airspace System (NAS), and ensure operational and equipment interoperability between the Department of Defense and FAA.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES Non-Developmental Item (NDI)

	<u>Prior Years</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>FY 2008</u>		<u>FY 2009</u>		<u>TC</u>		<u>TOTAL</u>		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<u>RDT&E</u>																					
<u>PROCUREMENT</u>																					
INSTALLATION KITS																					
INSTALLATION KITS NRE																					
EQUIPMENT NRE																					
EQUIPMENT							1	0.480	1	0.490	1	0.500	2	1.154	3	1.821			8	4.445	
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
PRODUCTION ENGINEERING							0.020		0.020		0.019		0.129		0.203					0.391	
INTEGRATED LOGISTICS SUPPORT							0.020		0.026		0.030		0.110		0.170					0.356	
INITIAL TRAINING																					
OTHER																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST									1	0.138	1	0.141	3	0.432	3	0.447			8	1.158	
TOTAL PROCUREMENT							0.520		0.674		0.690		1.825		2.641					6.350	

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P3A (Continued)

MODELS OF SYSTEMS AFFECTED: **FACSFAC** MODIFICATION TITLE: TT171 MODE S INTERFACE

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT

ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 4 Months

CONTRACT DATES: FY 2003: N/A FY 2004: N/A FY 2005: N/A

DELIVERY DATE: FY 2003: N/A FY 2004: N/A FY 2005: N/A

(\$ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS																					
FY 2003 EQUIPMENT																					
FY 2004 EQUIPMENT																					
FY 2005 EQUIPMENT									1	0.138										1	0.138
FY 2006 EQUIPMENT											1	0.141								1	0.141
FY 2007 EQUIPMENT													1	0.144						1	0.144
FY 2008 EQUIPMENT													2	0.288						2	0.288
FY 2009 EQUIPMENT															3	0.447				3	0.447
TO COMPLETE																					

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				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	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	1	0	1	1	1	1	0	8
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	1	0	1	1	1	1	0	8	

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: FACSFAC TYPE MODIFICATION: MODERNIZATION MODIFICATION TITLE: TT177 RADAR INPUT CAPACITY UPGRADE

DESCRIPTION/JUSTIFICATION:

Increases input sensors processed to 15. Encompasses replacement of main processors and re-host of system software. The number of sensors available as data sources for FACSFAC has increased and will continue to increase as the result of several FAA Programs. In order to maintain situational awareness and control of the FACSFAC airspace and adjoining airspaces, the information available from all sources must be presented to the FACSFAC Controllers.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES Non-Developmental Item (NDI)

	<u>Prior Years</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>FY 2008</u>		<u>FY 2009</u>		<u>IC</u>		<u>TOTAL</u>		
	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	
FINANCIAL PLAN (IN MILLIONS)																					
<i>RDT&E</i>																					
<i>PROCUREMENT</i>																					
INSTALLATION KITS																					
INSTALLATION KITS NRE																					
EQUIPMENT NRE																					
EQUIPMENT		0.960	5	2.583	3	1.491													8	5.034	
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
PRODUCTION ENGINEERING		0.400		0.240		0.350		0.163													1.153
INTEGRATED LOGISTICS SUPPORT		0.100		0.181		0.300		0.110													0.691
INITIAL TRAINING																					
OTHER																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST					4	0.470	4	0.480												8	0.950
TOTAL PROCUREMENT		1.460		3.004		2.611		0.753													7.828

Exhibit P-3A (Individual Modification) CLASSIFICATION:

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CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

MODELS OF SYSTEMS AFFECTED: FACSFAC MODIFICATION TITLE: TT177 RADAR INPUT CAPACITY UPGRADE

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT

ADMINISTRATIVE LEADTIME: Various PRODUCTION LEADTIME: Various

CONTRACT DATES: FY 2003: N/A FY 2004: N/A FY 2005: N/A

DELIVERY DATE: FY 2003: N/A FY 2004: N/A FY 2005: N/A

(\$ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PRIOR YEARS																				
FY 2003 EQUIPMENT					4	0.470	1	0.120											5	0.590
FY 2004 EQUIPMENT							3	0.360											3	0.360
FY 2005 EQUIPMENT																				
FY 2006 EQUIPMENT																				
FY 2007 EQUIPMENT																				
FY 2008 EQUIPMENT																				
FY 2009 EQUIPMENT																				
TO COMPLETE																				

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				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	0	0	0	0	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Out	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**
 MODELS OF SYSTEM AFFECTED: FACSFAC TYPE MODIFICATION: MODERNIZATION MODIFICATION TITLE: TT179 AUTOMATIC DEPENDENT SURVEILLANCE

DESCRIPTION/JUSTIFICATION:

Provide Automatic Dependent Broadcast (ADS) capability to FACSFACs to meet requirements of FAA Free Flight Program. ADS is an enabler for the FAA's Free Flight Program which will increase capacity and efficiency of the National Airspace System (NAS). Using the 1090 MHz Extended Squitter, Universal Asynchronous Transmitter (UAT), and satellite data link, aircraft in OCEANIC (ADS-A) and CONUS (ADS-B) areas will broadcast their position to ATC Facilities and other ADS-equipped aircraft allowing Controllers and Pilots to allow reduction of aircraft separation and improve approach capability. ADS will also provide increased situational awareness to Controllers and Pilots thus providing increased safety.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES Non-Developmental Item (NDI)

	<u>Prior Years</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>FY 2008</u>		<u>FY 2009</u>		<u>TC</u>		<u>TOTAL</u>		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
RDT&E																					
PROCUREMENT																					
INSTALLATION KITS																					
INSTALLATION KITS NRE																					
EQUIPMENT NRE																					
EQUIPMENT					2	0.384			2	0.384	2	0.392	2	0.400					8	1.560	
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
PRODUCTION ENGINEERING						0.075				0.068		0.066		0.106							0.315
INTEGRATED LOGISTICS SUPPORT						0.050				0.050		0.060		0.080							0.240
INITIAL TRAINING																					
OTHER																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST					2	0.260			2	0.260	2	0.280	2	0.300					8	1.100	
TOTAL PROCUREMENT						0.769				0.762		0.798		0.886							3.215

Exhibit P-3A (Individual Modification) CLASSIFICATION:

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CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

MODELS OF SYSTEMS AFFECTED: FACSFAC MODIFICATION TITLE: TT179 AUTOMATIC DEPENDENT SURVEILLANCE

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT

ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 4 Months

CONTRACT DATES: FY 2003 N/A FY 2004: N/A FY 2005: N/A

DELIVERY DATE: FY 2003 N/A FY 2004: N/A FY 2005: N/A

(\$ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS																					
FY 2003 EQUIPMENT																					
FY 2004 EQUIPMENT					2	0.260													2	0.260	
FY 2005 EQUIPMENT																					
FY 2006 EQUIPMENT									2	0.260									2	0.260	
FY 2007 EQUIPMENT											2	0.280							2	0.280	
FY 2008 EQUIPMENT													2	0.300					2	0.300	
FY 2009 EQUIPMENT																					
TO COMPLETE																					

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				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	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1	0	0	0	0	0	8
Out	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	1	1	0	0	1	1	0	0	0	0	0	8				

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**
 MODELS OF SYSTEM AFFECTED: FACSFAC TYPE MODIFICATION: MODERNIZATION MODIFICATION TITLE: TT180 COMMUNICATION SYSTEM UPGRADE

DESCRIPTION/JUSTIFICATION:
 Upgrade the FACSFAC Operational Communications System to meet the requirements of the FAA Next Generation Communication (NEXCOM) Program, Existing FACSFAC UHF/VHF Radios will be replaced by the Multimode Digital Radio (MDR) and CM-300 UHF Radio. New VHF Data Link 3 (VDL-3) equipment will be installed. Voice switches/recorders/antennas will be replaced/upgraded. In order to resolve the frequency spectrum over crowding problem, the FAA is transitioning the NAS to Digital VHF Communications via the MDR. The FAA is also changing to a Next Generation Analog UHF Radio (CM 300). In accordance with DoD Directive 5030.19, "DoD Responsibilities on Federal Aviation and National Airspace System Matters" (June 15,1997), the DoD must cooperate with the FAA for the effective and efficient management of the National Airspace System (NAS), and ensure operational and equipment interoperability between the Department of Defense and FAA,

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES Non-Developmental Item (NDI)

	<u>Prior Years</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>FY 2008</u>		<u>FY 2009</u>		<u>TC</u>		<u>TOTAL</u>		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<u>RDT&E</u>																					
<u>PROCUREMENT</u>																					
INSTALLATION KITS																					
INSTALLATION KITS NRE																					
EQUIPMENT NRE							1	0.333	2	0.714	4	1.508	1	0.397						8	2.952
EQUIPMENT																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
PRODUCTION ENGINEERING								0.006		0.006		0.006		0.006							0.024
INTEGRATED LOGISTICS SUPPORT																					
INITIAL TRAINING																					
OTHER																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST							1	0.038	2	0.104	4	0.180	1	0.048						8	0.370
TOTAL PROCUREMENT								0.377		0.824		1.694		0.451							3.346

Exhibit P-3A (Individual Modification) CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

MODELS OF SYSTEMS AFFECTED: FACSFAC MODIFICATION TITLE: TT180 COMMUNICATION SYSTEM UPGRADE

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT

ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 4 Months

CONTRACT DATES: FY 2003: N/A FY 2004: N/A FY 2005: N/A

DELIVERY DATE: FY 2003: N/A FY 2004: N/A FY 2005: N/A

(\$ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS																					
FY 2003 EQUIPMENT																					
FY 2004 EQUIPMENT																					
FY 2005 EQUIPMENT							1	0.038											1	0.038	
FY 2006 EQUIPMENT									2	0.104										2	0.104
FY 2007 EQUIPMENT											4	0.180								4	0.180
FY 2008 EQUIPMENT													1	0.048						1	0.048
FY 2009 EQUIPMENT																					
TO COMPLETE																					

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				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	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	2	2	0	0	1	0	0	0	0	0	0	8
Out	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	2	2	0	0	1	0	0	0	0	0	0	8

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: FACSFAC TYPE MODIFICATION: MODERNIZATION MODIFICATION TITLE: TT181 FLIGHT PLANNING SYSTEM UPGRADE

DESCRIPTION/JUSTIFICATION:

Obsolete Flight Data Input/Output (FDIO) equipment that is no longer logistically supported by the FAA will be replaced. The FACSFAC processing equipment will be directly interfaced with the FAA Flight Plan Transmission Network. Flight Plan data will be presented to the FACSFAC Controllers on their Display Consoles, eliminating the need for paper flight strips.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Non-Developmental Item (NDI)

	<u>Prior Years</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>FY 2008</u>		<u>FY 2009</u>		<u>TC</u>		<u>TOTAL</u>		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<i><u>RDT&E</u></i>																					
<i><u>PROCUREMENT</u></i>																					
INSTALLATION KITS																					
INSTALLATION KITS NRE																					
EQUIPMENT NRE																					
EQUIPMENT							5	0.574	2	0.246	1	0.131								8	0.951
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
PRODUCTION ENGINEERING								0.093		0.133		0.018									0.244
INTEGRATED LOGISTICS SUPPORT								0.053		0.056		0.010									0.119
INITIAL TRAINING																					
OTHER																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST							2	0.298	4	0.564	2	0.320								8	1.182
TOTAL PROCUREMENT								1.018		0.999		0.479									2.496

Exhibit P-3A (Individual Modification) CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

MODELS OF SYSTEMS AFFECTED: FACSFAC MODIFICATION TITLE: TT181 FLIGHT PLANNING SYSTEM UPGRADE

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT

ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 4 Months

CONTRACT DATES: FY 2003: N/A FY 2004: N/A FY 2005: N/A

DELIVERY DATE: FY 2003: N/A FY 2004: N/A FY 2005: N/A

(\$ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS																					
FY 2003 EQUIPMENT																					
FY 2004 EQUIPMENT																					
FY 2005 EQUIPMENT							2	0.298	3	0.423									5	0.721	
FY 2006 EQUIPMENT									1	0.141	1	0.160							2	0.301	
FY 2007 EQUIPMENT											1	0.160							1	0.160	
FY 2008 EQUIPMENT																					
FY 2009 EQUIPMENT																					
TO COMPLETE																					

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				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	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	8
Out	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	8

CLASSIFICATION: **UNCLASSIFIED**

P3A

INDIVIDUAL MODIFICATION

MODELS OF SYSTEM AFFECTED: FACSFAC TYPE MODIFICATION: MODERNIZATION MODIFICATION TITLE: TT184 APPROACH CONT. INTERFACE UPGRADE

DESCRIPTION/JUSTIFICATION:

Provide an interface between FACSFACs and their respective FAA (Civilian) and Military Approach Facilities. Advancing technology in aircraft design and an increasing volume of air traffic is resulting in the need for more responsive air traffic control service. The requirement for rapid communications and inter-operability between air traffic control facilities is becoming a critical safety factor. This interface will allow the FACSFAC controllers to exchange information more efficiently with their counterparts in the local Approach Control Facilities. This will keep both facilities informed as to all aspects of the local air traffic situation which will enhance traffic management efficiency and flight safety. It will also facilitate unimpeded transit for Navy aircraft utilizing FACSFAC controlled airspace.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Non-Developmental Item (NDI)

FINANCIAL PLAN (IN MILLIONS)	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<i>RDT&E</i>																					
<i>PROCUREMENT</i>																					
INSTALLATION KITS																					
INSTALLATION KITS NRE																					
EQUIPMENT NRE																					
EQUIPMENT														2	0.520	6	1.620	8	2.140		
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
PRODUCTION ENGINEERING															0.086		0.312		0.398		
INTEGRATED LOGISTICS SUPPORT															0.075		0.234		0.309		
INITIAL TRAINING																					
OTHER																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST														1	0.250	7	1.820	8	2.070		
TOTAL PROCUREMENT															0.931		3.986		4.917		

Exhibit P-3A (Individual Modification) CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

MODELS OF SYSTEMS AFFECTED: FACSFAC MODIFICATION TITLE: TT184 APPROACH CONTROL INTERFACE UPGRADE

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT

ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 4 Months

CONTRACT DATES: FY 2003: N/A FY 2004: N/A FY 2005: N/A

DELIVERY DATE: FY 2003: N/A FY 2004: N/A FY 2005: N/A

(\$ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS																					
FY 2003 EQUIPMENT																					
FY 2004 EQUIPMENT																					
FY 2005 EQUIPMENT																					
FY 2006 EQUIPMENT																					
FY 2007 EQUIPMENT																					
FY 2008 EQUIPMENT																					
FY 2009 EQUIPMENT															1	0.250	1	0.255	2	0.505	
TO COMPLETE																	6	1.565	6	1.565	

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				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	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	1	6	8
Out	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	7	8