

DEPARTMENT OF THE NAVY  
FISCAL YEAR (FY) 2007  
BUDGET ESTIMATES SUBMISSION



JUSTIFICATION OF ESTIMATES  
FEBRUARY 2006

AIRCRAFT PROCUREMENT, NAVY  
Volume III:  
BUDGET ACTIVITY 7

UNCLASSIFIED

DEPARTMENT OF THE NAVY  
 FY 2007 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1506N AIRCRAFT PROCUREMENT, NAVY

DATE: 09 FEB 2006

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2005		FY 2006		FY 2007		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 07: AIRCRAFT SUPPORT EQUIPMENT & FACILITIES									
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AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES									
56	COMMON GROUND EQUIPMENT	A		491.8		471.9		426.7	U
57	AIRCRAFT INDUSTRIAL FACILITIES	A		17.0		12.6		9.5	U
58	WAR CONSUMABLES	A		39.5				34.9	U
59	OTHER PRODUCTION CHARGES	A		7.9		13.8		19.5	U
60	SPECIAL SUPPORT EQUIPMENT	A		60.8		105.1		65.0	U
61	FIRST DESTINATION TRANSPORTATION	A		2.3		1.6		1.7	U
62	CANCELLED ACCOUNT ADJUSTMENTS	A		1.5					U
TOTAL AIRCRAFT SUPPORT EQUIPMENT & FACILITIES				620.8		604.9		557.2	
TOTAL AIRCRAFT PROCUREMENT, NAVY				620.8		604.9		557.2	

**Fiscal Year 2007 Budget Estimates  
Budget Appendix Extract Language**

**AIRCRAFT PROCUREMENT, NAVY**

For construction, procurement, production, modification, and modernization of aircraft, equipment, including ordnance, spare parts, and accessories therefore; specialized equipment; expansion of public and private plants, including the land necessary therefore, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway, \$10,868,771,000, to remain available for obligation until September 30, 2009, of which \$154,800,000 shall be available for the Navy Reserve and the Marine Corps Reserve. (10 U.S.C. 5013, 5063, 7201, 7341; Department of Defense Appropriation Act, 2006.)

CLASSIFICATION: UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET					DATE: FEBRUARY 2006						
P-40					P-1 ITEM NOMENCLATURE						
APPROPRIATION/BUDGET ACTIVITY					70500 COMMON GROUND EQUIPMENT						
Aircraft Procurement, Navy/BA-7					Other Related Program Elements						
Program Element for Code B Items:											
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY											
COST (In Millions)	*		491.780	472.660	426.673	402.777	402.559	407.460	416.520		
<p>The Common Ground Equipment line funds procurement of Automatic Test Equipment (ATE), various aircraft systems trainers and training aids, the Consolidated Automated Support System (CASS), support equipment for the Rapid Deployment Force, mobile maintenance facilities for Marine expeditionary forces, and other aircraft ground support equipment that is either peculiar to out-of-production aircraft or common in applicability to more than one aircraft. The requiring managers responsible for these procurements and the funds presently assigned to them are as follows:</p>											
			<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>To Complete</u>	<u>Total</u>
Ground Support Equip			297.682	266.145	256.082	255.191	246.411	251.524	257.269	Continued	Continued
Mobile Maint Facilities			5.719	15.321	11.559	11.628	11.776	12.011	12.280	Continued	Continued
Training			188.379	191.194	159.032	135.958	144.372	143.925	146.971	Continued	Continued
Special Support											
<b>TOTAL</b>			<b>491.780</b>	<b>472.660</b>	<b>426.673</b>	<b>402.777</b>	<b>402.559</b>	<b>407.460</b>	<b>416.520</b>	Continued	Continued
<p>NOTE: FY2006 does not match the P-1 due to a technical error.  FY2006 shown above includes \$3.8M in Title IX funding.</p>											
<p>* Due to multiple Requiring Financial Managers (RFM's) in prior years, detailed breakout of prior year data is not available.</p>											

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**CLASSIFICATION:**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: <b>FEBRUARY 2006</b>						
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy/BA-7</b>					P-1 ITEM NOMENCLATURE <b>COMMON AND CASS - 47C2 SUPPORT EQUIPMENT</b>						
Program Element for Code B Items:					Other Related Program Elements						
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY											
COST (In Millions)	*		<b>297.682</b>	<b>266.145</b>	<b>256.082</b>	<b>255.191</b>	<b>246.411</b>	<b>251.524</b>	<b>257.269</b>	<b>Continued</b>	<b>Continued</b>
The following elements comprise the Aviation Support Equipment and Consolidated Automated Support Systems Programs.											
			<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>To Complete</u>	<u>Total</u>
Automatic Test Equipment			46.953	50.471	29.588	29.272	27.589	32.820	38.423	Continued	Continued
Aircraft Common SE			132.485	119.589	111.563	120.398	109.243	108.236	104.005	Continued	Continued
ICP/HQM SE			41.627	21.026	35.211	23.271	25.644	24.793	27.211	Continued	Continued
Subtotal			<b>221.065</b>	<b>191.086</b>	<b>176.362</b>	<b>172.941</b>	<b>162.476</b>	<b>165.849</b>	<b>169.639</b>	Continued	Continued
Consolidated Automated Supt Syst			76.617	75.059	79.720	82.250	83.935	85.675	87.630	Continued	Continued
<b>Grand Total</b>			<b>297.682</b>	<b>266.145</b>	<b>256.082</b>	<b>255.191</b>	<b>246.411</b>	<b>251.524</b>	<b>257.269</b>	Continued	Continued
* Due to multiple Requiring Financial Managers (RFM's) in prior years, detailed breakout of prior year data is not available.											

**CLASSIFICATION:**

<b>BUDGET ITEM JUSTIFICATION SHEET</b>	DATE:
P-40	<b>FEBRUARY 2006</b>

APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy/BA-7</b>	P-1 ITEM NOMENCLATURE 70500 COMMON GROUND EQUIPMENT AUTOMATIC TEST EQUIPMENT
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Program Element for Code B Items:	Other Related Program Elements
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	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY											
COST (In Millions)	*	A	46.953	50.471	29.588	29.272	27.589	32.820	38.423	Continued	Continued

**GENERAL PROGRAM DESCRIPTION**

This sub-line provides for the transition of current Automatic Test Equipment (ATE) Test Program Sets (TPSs) to AN/USM-636(V) Consolidated Automated Support System (CASS) and the acquisition and modification of common ATE to meet fleet operational requirements identified in the fleet concurred Common Support Equipment Operational Requirements List.

**TEST PROGRAM SETS (TPSs) TRANSITION TO CASS**

TPSs are SE that consist of the hardware, software, and documentation required to automatically fault detect and isolate electronic units under test (UUTs) to the defective sub-component and Ready for Issue (RFI) the component. Existing ATE that can no longer be economically supported will be offloaded to CASS based on fleet priorities. This budget requests funds for the procurement of TPSs to offload support from existing obsolete ATE to CASS, as well as support of GFE requirements including UUT and CASS stations at CASS TPS Test Integration Facilities.

**COMMON ATE ACQUISITION AND MODIFICATION**

System acquisition and modification is necessary to replace obsolete and unsupportable equipment, support current technology, incorporate necessary reliability and maintainability improvements, and correct Fleet reported problems as a result of Engineering Investigations/Quality Deficiency Reports for out-of-production common ATE. Without these modifications replacement parts will not be available and common ATE will not remain operational.

\* Due to multiple Requiring Financial Managers (RFM's) in prior years, detailed breakout of prior year data is not available.

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WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System							DATE: FEBRUARY 2006					
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy BA-7				ID Code A	P-1 ITEM NOMENCLATURE/SUBHEAD COMMON GROUND EQUIPMENT 47C2 Automatic Test Equipment											
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 2005			FY 2006			FY 2007			FY 2008			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost				Quantity	Unit Cost	Total Cost	
70000	1. TPS Transition to CASS 2. Production Support	A				31,753				35,971			15,888			
						15,200				14,500			13,700			
			0			46,953				50,471			29,588			

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CLASSIFICATION:

WEAPONS SYSTEM COST ANALYSIS P-5			Weapon System						DATE: FEBRUARY 2006					
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy BA-7			ID Code A		P-1 ITEM NOMENCLATURE/SUBHEAD COMMON GROUND EQUIPMENT 47C2 Automatic Test Equipment									
COST CODE	ELEMENT OF COST													
		FY 2009			FY 2010			FY 2011			To Complete		Total	
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost
70000	1. TPS Transition to CASS 2. Production Support													

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**CLASSIFICATION:**

<b>BUDGET ITEM JUSTIFICATION SHEET</b>					DATE: <b>FEBRUARY 2006</b>						
<b>P-40</b>											
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy/BA-7</b>					P-1 ITEM NOMENCLATURE 70500 COMMON GROUND EQUIPMENT <b>A/C Common Support Equipment - Common Ground - 47C2</b>						
Program Element for Code B Items:					Other Related Program Elements						
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
49. Composite Repair Kit											
QUANTITY											
COST (In Millions)	*	A	<b>132.485</b>	<b>119.589</b>	<b>111.563</b>	<b>120.398</b>	<b>109.243</b>	<b>108.236</b>	<b>104.005</b>	<b>Continued</b>	<b>Continued</b>
<p>General Program Description: This budget sub-line provides for the acquisition of Support Equipment (SE) end items under the inventory and technical management of NAVAIR. These SE end items are required for ground testing handling, and maintenance of aircraft and their systems. Examples of SE items acquired under this budget line item include aircraft propulsion test systems, mobile air conditioners and generators and aircraft handling equipment.</p> <p>Also included are common avionics support equipment (ASE) items which are too complex technically to be transitioned to the inventory control point for acquisition. The ASE included is managed by NAVAIR and supported through the Navy Inventory Control Point.</p> <p>COMNAVAIRLANT/PAC warfighters, as supported by OSD and DON, have cited serious deficiencies in fleet support equipment (SE). These deficiencies have negatively impacted aircraft readiness, sailor Quality of Life (QOL) and Lifecycle Costs (LCC). FY04/05 reflects significant increases in funding to address these deficiencies and concerns as supported by the following fleet prioritizations and audits: (1) Navy IG Audit "Aircraft Spares and Readiness" dtd August 2000 identified shortfalls in SE and test equipment inventories having a negative impact on the flying hour program, and in particular aviation depot level repairables (AVDLR) expenditures; (2) Naval Aviation FY01 CV OAG identified Legacy ATE transition to CASS and support equipment (SE) recapitalization as a priority issue (#9 of 20); (3) Fleet Readiness Assessment Group (FRAG) reported, "Legacy SE is becoming unsupportable due to lack of funding and insufficient depot rework of existing SE...It is critical to restore the CASS Offload schedule and SE procurement accounts..."; and (4) GAO Audit #350137 "Review of Aviation Test Equipment Issues" identifies "...much of the test equipment needed to troubleshoot aircraft repairables has become obsolete...Maintenance personnel have expressed a concern that they were not able to troubleshoot or provide much needed useable aircraft parts to operate units because of troubles with or lack of test equipment."</p>											
* Due to multiple Requiring Financial Managers (RFM's) in prior years, detailed breakout of prior year data is not available.											

CLASSIFICATION:

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS						DATE: FEBRUARY 2006					
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE							
Aircraft Procurement, Navy/BA-7				A/C Common Support Equipment - Common Ground - 47C2							
Procurement Items	ID Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
Floodlight Set											
Qty		524	195								
Cost		11,100	5,435								
Jet Engine Test Instr.											
Qty		14	12	7	3						
Cost		13,295	11,400	6,650	2,850						
Crane, Wheel											
Qty				2							
Cost				300							
Hyd Power Supply (Elec)											
Qty		5	35	50	165						
Cost		542	1,596	2,350	6,564						
482A Replacement											
Qty			10		49						
Cost			600		2,940						
Boresight Measurement Equip. (ABE)											
Qty		5		6	15						
Cost		2,506		2,574	5,880						
Diesel/Elect. Air Conditioner 10 Ton )											
Qty		5		75	75						
Cost		661		4,500	4,500						
Thermal Image NDI											
Qty											
Cost											
<b>SUB-TOTAL</b>		<b>28,104</b>	<b>19,031</b>	<b>16,374</b>	<b>22,734</b>						

CLASSIFICATION:

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS						DATE: <b>FEBRUARY 2006</b>					
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE							
<b>Aircraft Procurement, Navy/BA-7</b>				<b>A/C Common Support Equipment - Common Ground - 47C2</b>							
Procurement Items	ID Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
<b>FORWARDED</b>		<b>28,104</b>	<b>19,031</b>	<b>16,374</b>	<b>22,734</b>						
Portable Oxygen Regulator T/S ( PORTS)											
Qty					3						
Costs					240						
Shorebased Deicer											
Qty		5	8	12	4						
Costs		1,360	2,433	3,120	1,216						
Coast AWM-103											
Qty		285	180	180	132						
Costs		13,352	7,920	7,920	5,808						
Tow Tractor (SE Mid)											
Qty		5	400	300	350						
Cost		270	13,800	9,600	11,550						
Hyd Power Supply (Diesel)											
Qty		5	165	165	220						
Cost		434	6,567	6,764	9,460						
MSU 200 NAV											
Qty		169	120	141							
Cost		38,670	28,714	33,840							
Detector, Mag Particle											
Qty		447	302								
Cost		3,469	2,266								
Shaft Engine Test Instr.(SETI)											
Qty			3	3	7						
Cost			2,400	2,400	5,600						
<b>SUB-TOTAL</b>		<b>85,659</b>	<b>83,131</b>	<b>80,018</b>	<b>56,608</b>						

P-1 SHOPPING LIST

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS						DATE: FEBRUARY 2006					
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE							
Aircraft Procurement, Navy/BA-7				A/C Common Support Equipment - Common Ground - 47C2							
Procurement Items	ID Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
<b>FORWARDED</b>		<b>85,659</b>	<b>83,131</b>	<b>80,018</b>	<b>56,608</b>						
Engine Torque System (ETS)											
Qty		8	27								
Cost		1,503	2,250								
Tow Tractor, Heavy											
Qty											
Cost											
Shipboard Tractor CILOP											
Qty											
Cost											
SD-2 Spotting Dolly CILOP											
Qty					5						
Cost					950						
Digital Radiography											
Qty					2						
Cost					200						
R/F Comm/NAV T/S											
Qty		10		70	246						
Cost		410		2,450	8,610						
Fuel Qty T/S											
Qty		10	150	150	175						
Cost		200	4,500	4,500	5,250						
O2 Trailer											
Qty		4	125	140							
Cost		418	3,125	3,500							
<b>SUB-TOTAL</b>		<b>88,190</b>	<b>93,006</b>	<b>90,468</b>	<b>71,618</b>						

P-1 SHOPPING LIST

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS						DATE: <b>FEBRUARY 2006</b>					
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE							
<b>Aircraft Procurement, Navy/BA-7</b>				<b>A/C Common Support Equipment - Common Ground - 47C2</b>							
Procurement Items	ID Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
<b>FORWARDED</b>		<b>88,190</b>	<b>93,006</b>	<b>90,468</b>	<b>71,618</b>						
Mobile N2 Gas Generator (MNGG)											
Qty		52	42								
Cost		5,226	4,843								
MMG-A1 Replacement											
Qty				5							
Cost				190							
Landbased MEPP											
Qty											
Cost											
Turbo Prop Eng. Test Inst. (TPETI)											
Qty											
Cost											
NG SW Loader											
Qty											
Cost											
Agitated Solvent Parts Washer											
Qty					5						
Cost					75						
<b>SUB-TOTAL</b>		<b>93,416</b>	<b>97,849</b>	<b>90,658</b>	<b>71,693</b>						

CLASSIFICATION:

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS						DATE: <b>FEBRUARY 2006</b>					
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE							
<b>Aircraft Procurement, Navy/BA-7</b>				<b>A/C Common Support Equipment - Common Ground - 47C2</b>							
Procurement Items	ID Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
<b>FORWARDED</b>		<b>93,416</b>	<b>97,849</b>	<b>90,658</b>	<b>71,693</b>						
Composite Repair											
Temp. Pressure Kit											
Qty				25	99						
Cost				645	2,475						
Fiber Optic Repair Set											
Qty											
Cost											
Optical Fiber Test Set											
Qty			2		10						
Cost			54		270						
OTD Reflectometer											
Qty											
Cost											
Contaminant/Pur/Moist											
Qty				4	22						
Cost				120	1,100						
Arc Fault CB Tester											
Qty			2		2						
Cost			24		24						
<b>SUB-TOTAL</b>		<b>93,416</b>	<b>97,927</b>	<b>91,423</b>	<b>75,562</b>						

CLASSIFICATION:

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS						DATE: FEBRUARY 2006					
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE							
Aircraft Procurement, Navy/BA-7				A/C Common Support Equipment - Common Ground - 47C2							
Procurement Items	ID Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
<b>FORWARDED</b>		<b>93,416</b>	<b>97,927</b>	<b>91,423</b>	<b>75,562</b>						
Wire Marking System											
Qty											
Cost											
Video Borescope											
Qty				20	240						
Cost				400	4,800						
TACAN I Level T/S											
Qty				6							
Cost				732							
Ultrasonic Tester											
Qty					120						
Cost					1,800						
A/C Wiring T/S 0 & I Level											
Qty					42						
Cost					690						
Borescope, Defect Measure											
Qty					10						
Cost					300						
Air Conditioner 30 Ton											
Qty											
Cost											
EW Signal Generator											
Qty					5						
Cost					250						
<b>SUB-TOTAL</b>		<b>93,416</b>	<b>97,927</b>	<b>92,555</b>	<b>83,402</b>						

P-1 SHOPPING LIST

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Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY <b>AIRCRAFT PROCUREMENT, NAVY/BA-7</b>				DATE: <b>FEBRUARY 2006</b>	
P-1 ITEM NOMENCLATURE <b>Jet Engine Test Instrumentation</b>		Admin Leadtime (after Oct1): <b>2 months</b>			Prod Leadtime : <b>10 months</b>		
	FY2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Buy Summary	12	7	3				
Unit Cost	950	950	950				
Total Cost	11,400	6,650	2,850				
<b>Asset Dynamics</b>							
Beginning Asset Position	10	14	22				
Deliveries from all prior year funding	4						
Deliveries from FY 2005 funding		8	4				
Deliveries from FY 2006 funding			7				
Deliveries from FY 2007 funding			1				
Deliveries from subsequent years' funding							
Other Gains							
Combat Losses/Usage							
Training Losses/Usage							
Test Losses/Usage							
Other Losses/Usage							
Disposals/Retirements/Attritions/etc.							
<b>End of Year Asset Position</b>	<b>14</b>	<b>22</b>	<b>34</b>				
Inventory Objective or Current Authorized Allowance	<b>36</b>	<b>36</b>	<b>36</b>				
Inventory Objective <b>36</b>	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2006 Replacement:	Aircraft: TOAI:		
Assets Rqd For Combat Loads:	FY 2004 thru 31 Jul04	FY 2004 thru 31 Jul 04	FY 2004 thru 31 Jul 04	Vehicles Eligible for FY 2007 Replacement:	PAA: TAI		
WRM Rqmt:	FY 2001	FY 2001	FY 2001	Vehicle Augment:	Attrition Res:		
Pipeline:	FY 2000	FY 2000	FY2000		BAI		
Other:	FY 1999:	FY 1999:	FY 1999:		Inactive Inv:		
TOTAL:					Storage:		
Remarks:							

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<b>Exhibit P-20, Requirements Study</b>			APPROPRIATION/BUDGET ACTIVITY <b>AIRCRAFT PROCUREMENT, NAVY/BA-7</b>			DATE: <b>FEBRUARY 2006</b>	
P-1 ITEM NOMENCLATURE <b>Coast (AWM-103)</b>		Admin Leadtime (after Oct1): <b>3 months</b>		Prod Leadtime : <b>21 months</b>			
	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Buy Summary	<b>180</b>	<b>180</b>	<b>132</b>				
Unit Cost	<b>44</b>	<b>44</b>	<b>44</b>				
Total Cost	<b>7,920</b>	<b>7,920</b>	<b>5,808</b>				
<b>Asset Dynamics</b>							
Beginning Asset Position	<b>103</b>	<b>118</b>	<b>298</b>				
Deliveries from all prior year funding	<b>15</b>	<b>167</b>					
Deliveries from FY 2005 funding	<b>0</b>	<b>13</b>	<b>167</b>				
Deliveries from FY 2006 funding			<b>13</b>				
Deliveries from FY 2007 funding							
Deliveries from subsequent years' funding							
Other Gains							
Combat Losses/Usage							
Training Losses/Usage							
Test Losses/Usage							
Other Losses/Usage							
Disposals/Retirements/Attritions/etc.							
<b>End of Year Asset Position</b>	<b>118</b>	<b>298</b>	<b>478</b>				
Inventory Objective or Current Authorized Allowance	<b>777</b>	<b># 777</b>	<b>777</b>				
Inventory Objective <b>777</b>	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2006 Replacement:	Aircraft: TOAI:		
Assets Rqd For Combat Loads:	FY 2004 thru 31 Jul04	FY 2004 thru 31 Jul 04	FY 2004 thru 31 Jul 04	Vehicles Eligible for FY 2007 Replacement:	PAA: TAI		
WRM Rqmt:	FY 2001	FY 2001	FY 2001	Vehicle Augment:	Attrition Res:		
Pipeline:	FY 2000	FY 2000	FY2000		BAI		
Other:	FY 1999:	FY 1999:	FY 1999:		Inactive Inv:		
TOTAL:					Storage:		
Remarks:							

P-1 SHOPPING LIST

CLASSIFICATION:

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Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY				DATE:		
			<b>AIRCRAFT PROCUREMENT, NAVY/BA-7</b>				<b>FEBRUARY 2006</b>		
P-1 ITEM NOMENCLATURE			Admin Leadtime (after Oct1):			Prod Leadtime :			
<b>MID/SE LANDBASED TOW TRACTOR</b>			<b>3 months</b>			<b>5 months</b>			
			FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Buy Summary			<b>400</b>	<b>300</b>	<b>350</b>				
Unit Cost			<b>34.5</b>	<b>32</b>	<b>33</b>				
Total Cost			<b>13,800</b>	<b>9,600</b>	<b>11,550</b>				
<b>Asset Dynamics</b>									
Beginning Asset Position			<b>5</b>	<b>35</b>	<b>515</b>				
Deliveries from all prior year funding									
Deliveries from FY 2005 funding			<b>30</b>	<b>370</b>					
Deliveries from FY 2006 funding				<b>110</b>	<b>190</b>				
Deliveries from FY 2007 funding					<b>210</b>				
Deliveries from subsequent years' funding									
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attritions/etc.									
<b>End of Year Asset Position</b>			<b>35</b>	<b>515</b>	<b>915</b>				
Inventory Objective or Current Authorized Allowance			<b>1,362 25</b>	<b>1,362</b>	<b>1,362</b>				
Inventory Objective	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)			Vehicles Eligible for FY 2006 Replacement:	Aircraft: TOAI:		
<b>1362</b>									
Assets Rqd For Combat Loads:	FY 2004 thru 31 Jul04	FY 2004 thru 31 Jul 04	FY 2004 thru 31 Jul 04			Vehicles Eligible for FY 2007 Replacement:	PAA: TAI		
WRM Rqmt:	FY 2001	FY 2001	FY 2001			Vehicle Augment:	Attrition Res:		
Pipeline:	FY 2000	FY 2000	FY2000				BAI		
Other:	FY 1999:	FY 1999:	FY 1999:				Inactive Inv:		
TOTAL:							Storage:		
Remarks:									

CLASSIFICATION:

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<b>Exhibit P-20, Requirements Study</b>		APPROPRIATION/BUDGET ACTIVITY <b>AIRCRAFT PROCUREMENT, NAVY/BA-7</b>				DATE: <b>FEBRUARY 2006</b>	
P-1 ITEM NOMENCLATURE <b>POWER SUPPLY, HYDRAULIC-DIESEL</b>		Admin Leadtime (after Oct1): <b>6 months</b>			Prod Leadtime : <b>10 months</b>		
	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Buy Summary	<b>165</b>	<b>165</b>	<b>220</b>				
Unit Cost	<b>39.8</b>	<b>41</b>	<b>43</b>				
Total Cost	<b>6,567</b>	<b>6,764</b>	<b>9,460</b>				
<b>Asset Dynamics</b>							
Beginning Asset Position	<b>5</b>	<b>5</b>	<b>110</b>				
Deliveries from all prior year funding							
Deliveries from FY 2005 funding		<b>105</b>	<b>60</b>				
Deliveries from FY 2006 funding			<b>120</b>				
Deliveries from FY 2007 funding							
Deliveries from subsequent years' funding							
Other Gains							
Combat Losses/Usage							
Training Losses/Usage							
Test Losses/Usage							
Other Losses/Usage							
Disposals/Retirements/Attritions/etc.							
<b>End of Year Asset Position</b>	<b>5</b>	<b>110</b>	<b>290</b>				
Inventory Objective or Current Authorized Allowance	<b>750</b>	<b>750</b>	<b>750</b>				
Inventory Objective <b>750</b>	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2006 Replacement:	Aircraft: TOAI:		
Assets Rqd For Combat Loads:	FY 2004 thru 31 Jul04	FY 2004 thru 31 Jul 04	FY 2004 thru 31 Jul 04	Vehicles Eligible for FY 2007 Replacement:	PAA: TAI		
WRM Rqmt:	FY 2001	FY 2001	FY 2001	Vehicle Augment:	Attrition Res:		
Pipeline:	FY 2000	FY 2000	FY2000		BAI		
Other:	FY 1999:	FY 1999:	FY 1999:		Inactive Inv:		
TOTAL:					Storage:		
Remarks:							

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<b>Exhibit P-20, Requirements Study</b>			APPROPRIATION/BUDGET ACTIVITY <b>AIRCRAFT PROCUREMENT, NAVY/BA-7</b>				DATE: <b>FEBRUARY 2006</b>	
P-1 ITEM NOMENCLATURE <b>MSU 200 NAV</b>			Admin Leadtime (after Oct1): <b>3 months</b>			Prod Leadtime : <b>10 months</b>		
	FY2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
Buy Summary	<b>120</b>	<b>141</b>						
Unit Cost	<b>233</b>	<b>240</b>						
Total Cost	<b>28,000</b>	<b>33,840</b>						
<b>Asset Dynamics</b>								
Beginning Asset Position	<b>49</b>	<b>169</b>	<b>289</b>					
Deliveries from all prior year funding	<b>120</b>							
Deliveries from FY 2005 funding		<b>120</b>						
Deliveries from FY 2006 funding			<b>141</b>					
Deliveries from FY 2007 funding								
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
<b>End of Year Asset Position</b>	<b>169</b>	<b>289</b>	<b>430</b>					
Inventory Objective or Current Authorized Allowance	<b>430</b>	<b>430</b>	<b>430</b>					
Inventory Objective <b>430</b>	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2006 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 2004 thru 31 Jul04	FY 2004 thru 31 Jul 04	FY 2004 thru 31 Jul 04	Vehicles Eligible for FY 2007 Replacement:	PAA: TAI			
WRM Rqmt:	FY 2001	FY 2001	FY 2001	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 2000	FY 2000	FY2000		BAI			
Other:	FY 1999:	FY 1999:	FY 1999:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

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<b>Exhibit P-20, Requirements Study</b>			APPROPRIATION/BUDGET ACTIVITY <b>AIRCRAFT PROCUREMENT, NAVY/BA-7</b>			DATE: <b>FEBRUARY 2006</b>	
P-1 ITEM NOMENCLATURE <b>POWER SUPPLY, HYDRAULIC-ELECTRICAL</b>			Admin Leadtime (after Oct1): <b>3 months</b>			Prod Leadtime : <b>8 months</b>	
	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Buy Summary	<b>35</b>	<b>50</b>	<b>165</b>				
Unit Cost	<b>45.6</b>	<b>47</b>	<b>39.8</b>				
Total Cost	<b>1,596.00</b>	<b>2,350</b>	<b>6,564</b>				
<b>Asset Dynamics</b>							
Beginning Asset Position		<b>5</b>	<b>26</b>				
Deliveries from all prior year funding	<b>5</b>						
Deliveries from FY 2005 funding		<b>21</b>	<b>14</b>				
Deliveries from FY 2006 funding			<b>50</b>				
Deliveries from FY 2007 funding							
Deliveries from subsequent years' funding							
Other Gains							
Combat Losses/Usage							
Training Losses/Usage							
Test Losses/Usage							
Other Losses/Usage							
Disposals/Retirements/Attritions/etc.							
<b>End of Year Asset Position</b>	<b>5</b>	<b>26</b>	<b>90</b>				
Inventory Objective or Current Authorized Allowance	<b>355</b>	<b>355</b>	<b>355</b>				
Inventory Objective <b>355</b>	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2006 Replacement:	Aircraft: TOAI:		
Assets Rqd For Combat Loads:	FY 2004 thru 31 Jul04	FY 2004 thru 31 Jul 04	FY 2004 thru 31 Jul 04	Vehicles Eligible for FY 2007 Replacement:	PAA: TAI		
WRM Rqmt:	FY 2001	FY 2001	FY 2001	Vehicle Augment:	Attrition Res:		
Pipeline:	FY 2000	FY 2000	FY2000		BAI		
Other:	FY 1999:	FY 1999:	FY 1999:		Inactive Inv:		
TOTAL:					Storage:		
Remarks:							

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<b>Exhibit P-20, Requirements Study</b>			APPROPRIATION/BUDGET ACTIVITY <b>AIRCRAFT PROCUREMENT, NAVY/BA-7</b>				DATE: <b>FEBRUARY 2006</b>	
P-1 ITEM NOMENCLATURE <b>TACAN I LEVEL T/S</b>			Admin Leadtime (after Oct1): <b>5 Months</b>			Prod Leadtime : <b>8 MONTHS</b>		
	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
Buy Summary		<b>6</b>						
Unit Cost		<b>122</b>						
Total Cost		<b>732</b>						
<b>Asset Dynamics</b>								
Beginning Asset Position			<b>6</b>					
Deliveries from all prior year funding								
Deliveries from FY 2005 funding								
Deliveries from FY 2006 funding		<b>6</b>						
Deliveries from FY 2007 funding								
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
<b>End of Year Asset Position</b>		<b>6</b>	<b>6</b>					
Inventory Objective or Current Authorized Allowance	25	<b>162</b>	<b>162</b>					
Inventory Objective 180	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2006 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 2004 thru 31 Jul04	FY 2004 thru 31 Jul 04	FY 2004 thru 31 Jul 04	Vehicles Eligible for FY 2007 Replacement:	PAA: TAI			
WRM Rqmt:	FY 2001	FY 2001	FY 2001	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 2000	FY 2000	FY2000		BAI			
Other:	FY 1999:	FY 1999:	FY 1999:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

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<b>Exhibit P-20, Requirements Study</b>			APPROPRIATION/BUDGET ACTIVITY <b>AIRCRAFT PROCUREMENT, NAVY/BA-7</b>			DATE: <b>FEBRUARY 2006</b>	
P-1 ITEM NOMENCLATURE <b>R/F Comm/Nav T/S</b>			Admin Leadtime (after Oct1): <b>3 months</b>			Prod Leadtime : <b>10 Months</b>	
	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Buy Summary		<b>70</b>	<b>246</b>				
Unit Cost		<b>35</b>	<b>35</b>				
Total Cost		<b>2,450</b>	<b>8,610</b>				
<b>Asset Dynamics</b>							
Beginning Asset Position		<b>10</b>	<b>16</b>				
Deliveries from all prior year funding							
Deliveries from FY 2005 funding							
Deliveries from FY 2006 funding		<b>6</b>	<b>64</b>				
Deliveries from FY 2007 funding			<b>40</b>				
Deliveries from subsequent years' funding							
Other Gains							
Combat Losses/Usage							
Training Losses/Usage							
Test Losses/Usage							
Other Losses/Usage							
Disposals/Retirements/Attritions/etc.							
<b>End of Year Asset Position</b>		<b>16</b>	<b>120</b>				
Inventory Objective or Current Authorized Allowance	25	<b>686</b>	<b>686</b>				
Inventory Objective <b>560</b>	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2006 Replacement:	Aircraft: TOAI:		
Assets Rqd For Combat Loads:	FY 2004 thru 31 Jul04	FY 2004 thru 31 Jul 04	FY 2004 thru 31 Jul 04	Vehicles Eligible for FY 2007 Replacement:	PAA: TAI		
WRM Rqmt:	FY 2001	FY 2001	FY 2001	Vehicle Augment:	Attrition Res:		
Pipeline:	FY 2000	FY 2000	FY2000		BAI		
Other:	FY 1999:	FY 1999:	FY 1999:		Inactive Inv:		
TOTAL:					Storage:		
Remarks:							

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<b>Exhibit P-20, Requirements Study</b>			APPROPRIATION/BUDGET ACTIVITY <b>AIRCRAFT PROCUREMENT, NAVY/BA-7</b>			DATE: <b>FEBRUARY 2006</b>	
P-1 ITEM NOMENCLATURE <b>Boresight Measurement Equipment (ABE)</b>		Admin Leadtime (after Oct1): <b>1 months</b>			Prod Leadtime : <b>7 Months</b>		
	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Buy Summary		<b>6</b>	<b>15</b>				
Unit Cost		<b>429</b>	<b>392</b>				
Total Cost		<b>2,574</b>	<b>5,880</b>				
<b>Asset Dynamics</b>							
Beginning Asset Position	<b>5</b>	<b>5</b>	<b>5</b>				
Deliveries from all prior year funding							
Deliveries from FY 2005 funding							
Deliveries from FY 2006 funding			<b>6</b>				
Deliveries from FY 2007 funding			<b>5</b>				
Deliveries from subsequent years' funding							
Other Gains							
Combat Losses/Usage							
Training Losses/Usage							
Test Losses/Usage							
Other Losses/Usage							
Disposals/Retirements/Attritions/etc.							
<b>End of Year Asset Position</b>	<b>5</b>	<b>5</b>	<b>16</b>				
Inventory Objective or Current Authorized Allowance	<b>25</b>	<b>54</b>	<b>54</b>				
Inventory Objective <b>51</b>	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2006 Replacement:	Aircraft: TOAI:		
Assets Rqd For Combat Loads:	FY 2004 thru 31 Jul04	FY 2004 thru 31 Jul 04	FY 2004 thru 31 Jul 04	Vehicles Eligible for FY 2007 Replacement:	PAA: TAI		
WRM Rqmt:	FY 2001	FY 2001	FY 2001	Vehicle Augment:	Attrition Res:		
Pipeline:	FY 2000	FY 2000	FY2000		BAI		
Other:	FY 1999:	FY 1999:	FY 1999:		Inactive Inv:		
TOTAL:					Storage:		
Remarks:							

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<b>Exhibit P-20, Requirements Study</b>			APPROPRIATION/BUDGET ACTIVITY <b>AIRCRAFT PROCUREMENT, NAVY/BA-7</b>			DATE: <b>FEBRUARY 2006</b>	
P-1 ITEM NOMENCLATURE <b>Shaft Engine Test Instr. (SETI)</b>			Admin Leadtime (after Oct1): <b>5 Months</b>			Prod Leadtime : <b>8 Months</b>	
	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Buy Summary	<b>3</b>	<b>3</b>	<b>7</b>				
Unit Cost	<b>800</b>	<b>800</b>	<b>800</b>				
Total Cost	<b>2,400</b>	<b>2,400</b>	<b>5,600</b>				
<b>Asset Dynamics</b>							
Beginning Asset Position			<b>3</b>				
Deliveries from all prior year funding							
Deliveries from FY 2005 funding		<b>3</b>					
Deliveries from FY 2006 funding			<b>3</b>				
Deliveries from FY 2007 funding			<b>1</b>				
Deliveries from subsequent years' funding							
Other Gains							
Combat Losses/Usage							
Training Losses/Usage							
Test Losses/Usage							
Other Losses/Usage							
Disposals/Retirements/Attritions/etc.							
<b>End of Year Asset Position</b>	<b>0</b>	<b>3</b>	<b>7</b>				
Inventory Objective or Current Authorized Allowance	<b>31</b>	<b>31</b>	<b>31</b>				
Inventory Objective <b>35</b>	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2006 Replacement:	Aircraft: TOAI:		
Assets Rqd For Combat Loads:	FY 2004 thru 31 Jul04	FY 2004 thru 31 Jul 04	FY 2004 thru 31 Jul 04	Vehicles Eligible for FY 2007 Replacement:	PAA: TAI		
WRM Rqmt:	FY 2001	FY 2001	FY 2001	Vehicle Augment:	Attrition Res:		
Pipeline:	FY 2000	FY 2000	FY2000		BAI		
Other:	FY 1999:	FY 1999:	FY 1999:		Inactive Inv:		
TOTAL:					Storage:		
Remarks:							

**UNCLASSIFIED**















**FY 2006/2007 BUDGET PRODUCTION SCHEDULE, P-21** DATE **FEBRUARY 2006**

APPROPRIATION/BUDGET ACTIVITY: **AIRCRAFT PROCUREMENT, NAVY/BA-7** Weapon System: **P-1 ITEM NOMENCLATURE**  
**A/C Common Support Equipment - Common Ground - 47C2**

Item	Manufacturer's Name and Location	Production Rate			Procurement Leadtimes						Unit of Measure
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total		
MSU 200 NAV	Hamilton Sundstrand	2	10	12		3	10	10	13	Each	
	San Diego, CA										

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2005												FISCAL YEAR 2006												B A L				
						2004			CALENDAR YEAR 2005									CALENDAR YEAR 2006																
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
						MSU 200 NAV/Hamilton Sundstrand	04	N	120	0	120	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		10	10	10	10
MSU 200 NAV/Hamilton Sundstrand	05	N	120	0	120			A															10	10	10	10	10	10	10	10	10	10	10	0
MSU 200 NAV/Hamilton Sundstrand	06	N	141	0	141																												141	

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2007												FISCAL YEAR 2008												B A L				
						2006 CALENDAR YEAI						25						CALENDAR YEAR 2008																
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
						MSU 200 NAV/Hamilton Sundstrand	06	N	141	0	141	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12		12	12	12	12

Remarks:







**FY 2006/2007 BUDGET PRODUCTION SCHEDULE, P-21**

DATE **FEBRUARY 2006**

APPROPRIATION/BUDGET ACTIVITY  
**AIRCRAFT PROCUREMENT, NAVY/BA-7**

Weapon System

P-1 ITEM NOMENCLATURE  
**A/C Common Support Equipment - Common Ground - 47C2**

Item	Manufacturer's Name and Location	Production Rate			Procurement Leadtimes						Unit of Measure
		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total		
POWER SUPPLY, Hyd-Electric	Hydraulics, International Los Angeles, CA	2	15	15		3	8	8	11	Each	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2009												FISCAL YEAR 2010												BAL
						2008			CALENDAR YEAR 2009									CALENDAR YEAR 2010												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
						POWER SUPPLY HYDRAULIC Electrical	07	N	165	162	3	3																		

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2011												FISCAL YEAR 2012												BAL
						2010			CALENDAR YEAR 2011									CALENDAR YEAR 2012												
						OCT	NOV	DEC	JAN	FEB	25	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Remarks:













**CLASSIFICATION:**

<b>BUDGET ITEM JUSTIFICATION SHEET</b>					DATE: <b>FEBRUARY 2006</b>						
<b>P-40</b>											
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy/BA-7</b>					P-1 ITEM NOMENCLATURE 70500 COMMON GROUND EQUIPMENT <b>ICP/HEADQUARTERS MANAGED SUPPORT EQUIPMENT</b>						
Program Element for Code B Items:					Other Related Program Elements						
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY											
COST (In Millions)	*		<b>41.627</b>	<b>21.026</b>	<b>35.211</b>	<b>23.271</b>	<b>25.644</b>	<b>24.793</b>	<b>27.211</b>	<b>Continued</b>	<b>Continued</b>
<p>General Program Description</p> <p>This budget sub-line funds the procurement of end items of Peculiar Support Equipment (PSE) for out-of-production weapon systems, and Common Support Equipment (CSE) under the budget, procurement, and inventory control of the Naval Inventory Control Point (NAVICP). PSE and CSE end items are normally introduced into the fleet through NAVAIR development, and initial procurement. When design is stabilized and procurement packages are available, these items then migrate to NAVICP management, and are funded under this sub-line. NAVICP currently manages over 11,000 individual repairable SE end items. This subline also funds initial outfitting of new construction ships.</p> <p>This sub-line also provides for the replacement of certain in-use PSE that are now marginally effective, due to obsolescence, or to the unavailability of associated logistics support. As a consequence, a logistically supportable replacement item must be designed and produced. This budget sub-line provides replacement of PSE support for out-of-production aircraft requirements only.</p> <p>In addition, this sub-line provides for the completion of the design and production of: (1) certain PSE items that were not funded during the production phase of the weapon system, and (2) modifications to out-of-production aircraft PSE to extend its useful service life.</p> <p>NAVAIR is responsible for the design, and initial production of the items cited above. When each is fully qualified, NAVICP will assume material management responsibility for the item.</p> <p>COMNAVAIRLANT/PAC warfighters, as supported by OSD and DON, have cited serious deficiencies in fleet support equipment (SE). These deficiencies have negatively impacted aircraft readiness, sailor Quality of Life (QOL) and Lifecycle Costs (LCC). FY04/05 reflects significant increases in funding to address these deficiencies and concerns as supported by the following fleet prioritizations and audits: (1) Navy IG Audit "Aircraft Spares and Readiness" dtd August 2000 identified shortfalls in SE and test equipment inventories having a negative impact on the flying hour program, and in particular aviation depot level repairables (AVDLR) expenditures; (2) Naval Aviation FY01 CV OAG identified Legacy ATE transition to CASS and support equipment (SE) recapitalization as a priority issue (#9 of 20); (3) Fleet Readiness Assessment Group (FRAG) reported, "Legacy SE is becoming unsupportable due to lack of funding and insufficient depot rework of existing SE...It is critical to restore the CASS Offload schedule and SE procurement accounts..."; and (4) GAO Audit #350137 "Review of Aviation Test Equipment Issues" identifies "...much of the test equipment needed to troubleshoot aircraft repairables has become obsolete...Maintenance personnel have expressed a concern that they were not able to troubleshoot or provide much needed useable aircraft parts to operate units because of troubles with or lack of test equipment."</p>											
* Due to multiple Requiring Financial Managers (RFM's) in prior years, detailed breakout of prior year data is not available.											

P-1 SHOPPING LIST

CLASSIFICATION:

**UNCLASSIFIED**

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WEAPONS SYSTEM COST ANALYSIS										DATE:		
P-5										FEBRUARY 2006		
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE/SUBHEAD							
Aircraft Procurement, Navy BA-7					A/C Common Ground Equipment 47C2							
					ICP/HEADQUARTERS MANAGED SUPPORT EQUIPMENT							
COST CODE	ELEMENT OF COST	ID Code A	TOTAL COST IN THOUSANDS OF DOLLARS									
			Prior Years	FY 2005			FY 2006			FY 2007		
			Total Cost	Quantity	Unit Cost	Total Cost				Quantity	Unit Cost	Total Cost
70600	1. Additional CSE for initial outfitting of sites due to: (a) intro of weapon systems and (b) baseloading changes for existing weapon systems/subsystems.					11,937			5,120		5,557	
	2. Additional PSE for initial outfitting of sites due to baseloading changes for out-of-production weapon systems and subsystems.				15,476			4,433		10,650		
	3. New SE required for replenishment of existing SE due to obsolescence and attrition.				10,719			8,103		15,480		
	Production Support				3,495		25	3,370		3,524		
			0			41,627			21,026		35,211	

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**CLASSIFICATION:**

BUDGET ITEM JUSTIFICATION SHEET					DATE: <b>FEBRUARY 2006</b>						
P-40					70500 COMMON GROUND EQUIPMENT						
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE						
<b>Aircraft Procurement, Navy BA-7</b>					<b>Consolidated Automated Support System-47C2</b>						
Program Element for Code B Items:					Other Related Program Elements						
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY			15	16	18	18	18	11		Continued	Continued
COST (In Millions)	*		76.617	75.059	79.720	82.250	83.935	85.675	87.630	Continued	Continued
<p><b>Program Coverage:</b> The ACAT II Consolidated Automated Support System (CASS) program is chartered to replace the Navy's inventory of 25 different types of computer-based Automatic Test Equipment (ATE) with a single modern, cost effective COTS/NDI based ATE system, and has been designated as the Navy's Standard Family of ATE. There are five configurations of CASS which support the entire spectrum of electronics testing requirements from direct current to light: Hybrid [tests digital and analog], Radio Frequency (RF) [tests radars and electronic warfare systems], Communications Navigation IFF (CNI), Electro-Optics Support System+ (EOSS+) [tests FLIRs and LASERs] and Reconfigurable Transportable (RTCASS) [a man-transportable version of RF CASS]. CASS supports intermediate and depot level repair of aircraft, ship, submarine and other weapon system electronics. CASS performs fault detection and diagnostic testing of over 3,300 different "black boxes" and associated circuit cards from F/A-18A/B/C/D/E/F, T 45, AV-8B, S-3, EA-6B, F-14 A/B/D, H-60, H-3, E-2, C-2, and V-22 as well as several NAVSEA/SPAWAR weapon systems.</p> <p><b>Justification:</b> CASS replaces older, legacy ATE systems that have become obsolete (parts are no longer available) and too expensive to maintain. CASS reduces afloat CV/CVN ATE manning from 104 to 54 billets and reduces the size of the AVCAL (spare parts) from 30,000 to 3,500. CASS also reduces technician Naval Enlisted Classifications (NECs) types, along with their training courses, from 32 to only 4. Each CV will deploy with 18 - 20 CASS stations and each LHD/LHA will deploy with 3 stations. CASS is utilized at Aircraft Intermediate Maintenance Departments (AIMDs) afloat and ashore, at USMC Marine Aviation Logistics Squadrons (MALS), and at Navy depots. RTCASS supports USMC V-22 and fixed wing aircraft.</p> <p><b>Current and budget year requirements are needed for CASS introduction in support of the following new and transitioning systems:</b></p> <p><b>New Requirements:</b> T-45 TS (Block Upgrades), ATARS, EA-6B Low/High Band Transmitter, F/A-18E/F (multiple), MIDS (F/A-18), F-18 FCC/UFCD/GCU/MPCD/ AHRS, CAS CIT BFN, V-22, ATFLIR (F/A-18), CEC (E-2C), MH-60R/S (multiple systems), UH-1Y and AH-1Z, AN/ASN-139 (multiple aircraft), EGI (multiple aircraft).</p> <p><b>Transitioning Legacy Testers:</b> 20 legacy automatic testers that support Navy and USMC tactical air aircraft.</p> <p><b>CASS Modernization:</b> Initiating CASS station modernization starting in FY-05 to modernize older CASS stations to the newer baseline configuration. Phase I will modernize the CASS Block I stations (mid-1980s technology), and Phase II will modernize Block II CASS stations (early 1990s technologies). CASS Modernization Program will employ a modern test architecture to facilitate insertion of test technologies required by changes to supported weapon systems and to enable resolution of obsolescence issues.</p> <p><b>Other Costs:</b> CASS-associated requirements include the following: (1) incorporation of Class I ECPs generated through RDT&amp;E and other programs to permit systematic insertion of new technology to meet requirements of new weapon system avionics (includes downsized electro-optics, downsized high power and inertial navigation capabilities), (2) incorporation of test technologies required to offload Test Program Sets (TPSs) from legacy ATE, (3) efforts to ameliorate obsolescence and improve system reliability, maintainability and supportability, (4) rehosting existing TPSs to leverage increased capabilities of new software technology, (5) providing support of CASS installation requirements at fleet sites afloat and ashore, (6) maintaining items contractually provided to contractors as Government Furnished Equipment, (7) maintaining supporting equipment used at CASS laboratory and testing facilities, and (8) providing ancillary equipment necessary for functionality of CASS.</p>											
* Due to multiple Requiring Financial Managers (RFM's) in prior years, detailed breakout of prior year data is not available.											

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<b>Exhibit P-20, Requirements Study</b>			APPROPRIATION/BUDGET ACTIVITY <b>AIRCRAFT PROCUREMENT, NAVY/BA-7</b>				DATE: <b>FEBRUARY 2006</b>	
P-1 ITEM NOMENCLATURE <b>RT CASS</b>			Admin Leadtime (after Oct1): <b>10 months</b>			Prod Leadtime : <b>16 months</b>		
	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
Buy Summary	15	16	18					
Unit Cost	1,975	1,507	1,481					
Total Cost	29,619	24,104	26,663					
<b>Asset Dynamics</b>								
Beginning Asset Position	4	4	26					
Deliveries from all prior year funding		22	8					
Deliveries from FY 2005 funding			15					
Deliveries from FY 2006 funding								
Deliveries from FY 2007 funding								
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
<b>End of Year Asset Position</b>	4	26	49					
Inventory Objective or Current Authorized Allowance	130	130	130					
Inventory Objective 130	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2006 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 2004 thru 31 Jul04	FY 2004 thru 31 Jul 04	FY 2004 thru 31 Jul 04	Vehicles Eligible for FY 2007 Replacement:	PAA: TAI			
WRM Rqmt:	FY 2001	FY 2001	FY 2001	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 2000	FY 2000	FY2000		BAI			
Other:	FY 1999:	FY 1999:	FY 1999:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2006				
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy/BA-7</b>							P-1 ITEM NOMENCLATURE <b>Common Ground Equipment - Mobile Facilities (47C2)</b>					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years	ID Code		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY												
COST (In Millions)				5.719	15.321	11.559	11.628	11.776	12.011	12.280	Cont	Cont
<p>Program Description:</p> <p>Mobile Facilities (MFs) budgeted in this sub-line consist of basic equipment: 8'X8'X20' shelters, Modular Rigid Wall Shelters, Environmental Control Units, Mobile Electrical Power generators being replaced with Tactical Quiet Generators, Short Distance Mobilizes/Complex Decomplex Tools, Resistive Load Banks, 60HZ Frequency Converters, Power Distribution Boxes, power cables, spreader bars, stacking blocks, scaffolds, slings, caster jacks, lashes and buckles. NAVAIR acts as the Primary Inventory Control Activity (PICA) for multi-service procurement of NAVAIR Mobile Facilities and related ancillary equipment.</p> <p>Program Coverage:</p> <p>The requirement for this equipment is directed toward fulfilling Navy and Marine Corps Aviation requirements. The basic concept is to provide containerized aviation logistics support to the operational commander that can be rapidly deployed by all transportation modes to any location in the world. Operationally, the MFs provide the Navy and Marine Corps with a quick response stand-alone capability to meet worldwide operational commitments. Economically, the MFs eliminate the need for "brick &amp; mortar" construction.</p> <p>Justification:</p> <p>This sub-line will meet the ultimate goal of housing all Marine Corps Aviation intermediate-level logistics support in MFs in accordance with the Table of Basic Allowance for Fleet Marine Forces Aviation Units and fulfill specific Navy Aviation mobile logistics requirements as outlined in individual Weapon System Planning Documents (WSPDs).</p>												

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a										DATE: February 2006		
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy/Budget Activity 7							P-1 ITEM NOMENCLATURE Common Ground Equipment - Mobile Facilities (47C2)					
Procurement Items	ID Code	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
1. Mobile Facility Vans	A											
Quantity				91	85	92						
Funding				3.345	3.297	3.570						
2. Environmental Control Units (3T)	A											
Quantity				150	150	150						
Funding				0.300	0.315	0.315						
3. Power Cables	A											
Quantity				93	90	93						
Funding				0.093	0.090	0.093						
4. Short Dist Mob. Complex DeComplex Tool	A											
Quantity				8	8	8						
Funding				0.160	0.160	0.170						
5. Resistive Load Banks	A											
Quantity					8	8						
Funding					0.080	0.080						
6. Tactical Quiet Generator	A											
Quantity					129	80						
Funding					9.015	5.747						
7. Deployable Grounding	A											
Quantity					13							
Funding					0.788							
8. Publications	N/A			0.194	0.235	0.226						
9. Logistic/ Engineering Support	N/A			0.671	0.708	0.708						
10. Logistic/ Production Support	N/A			0.550	0.587	0.608						
11. Drafting/ Tooling	N/A			0.035	0.046	0.042						
12. CAL LAB	N/A			0.371								
<b>Total P-1 Funding</b>				<b>5.719</b>	<b>15.321</b>	<b>11.559</b>						

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WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System			DATE: FEBRUARY 2006					
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy/Budget Activity 7							ID Code			P-1 ITEM NOMENCLATURE/SUBHEAD Common Ground Equipment - Mobile Facilities (47C2)					
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2005			FY 2006			FY 2007					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
70500	1. Mobile Facility Vans	A				79	36.8	2910	85	38.8	3297	92	38.8	3570	
70500	2. Environmental Control Units (3T)	A				150	2.0	300	150	2.1	315	150	2.1	315	
70500	3. Power Cables	A				93	1.0	93	90	1.0	90	93	1.0	93	
70500	4. Short Dist Mob. Complex DeComplex Tool	A				8	20.0	160	8	20.0	160	8	21.3	170	
70500	5. Resistive Load Banks	A				30	14.5	435	8	10.0	80	8	10.0	80	
70500	6. Tactical Quiet Generator	A				0	0.0	0	129	69.9	9015	80	71.8	5747	
70500	7. Deployable Grounding Grid	A				0	0.0	0	13	60.6	788	0	0.0	0	
70500	8. Publications	NA				2	97.0	194	1	235.0	235	1	226.0	226	
70500	9. Logistic/Engineering Support	NA						671			708			708	
70500	10. Logistic/Production Support	NA						550			587			608	
70500	11. Drafting/Tooling	NA						35			46			42	
70500	12. CAL LAB	N/A						371			0			0	
								<b>5,719</b>				<b>15,321</b>			

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WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System				DATE: FEBRUARY 2006									
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy/Budget Activity 7				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD Common Ground Equipment - Mobile Facilities (47C2)												
COST CODE	ELEMENT OF COST																
		FY 2008			FY 2009			FY 2010			FY 2011			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
70500	1. Mobile Facility Vans																
70500	2. Environmental Control Units (3T)																
70500	3. Power Cables																
70500	4. Short Dist Mob. Complex DeComplex Tool																
70500	5. Resistive Load Banks																
70500	6. Tactical Quiet Generator																
70500	7. Deployable Grounding Grid																
70500	8. Publications																
70500	9. Logistic/Engineering Support																
70500	10. Logistic/Production Support																
70500	11. Drafting/Tooling																
70500	12. CAL LABS																

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System Mobile Facilities			A. DATE <b>FEBRUARY 2006</b>			
B. APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy/Budget Activity 7</b>					C. P-1 ITEM NOMENCLATURE <b>Common Ground Equipment - Mobile Facilities (47C2)</b>					SUBHEAD <b>47C2</b>	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE	
<u>1. Mobile Facility Vans</u>											
FY-05	91	36.8	NAWCADLKE	01-05	C/FP	Gichner, Dallastown, PA	01-05	07-05	Yes	No	
FY-06	92	38.8	NAWCADLKE	01-06	C/FP	Gichner, Dallastown, PA	01-06	07-06	Yes	No	
FY-07	92	38.8	NAWCADLKE	01-07	C/FP	Gichner, Dallastown, PA	01-07	07-07	Yes	No	
<u>2. Environmental Cntrl Unit (3T)</u>											
FY-05	150	2.0	NAWCADLKE	01-05	C/FP	Env. Sys. Jacksonville, FL	01-05	07-05	Yes	No	
FY-06	150	2.1	NAWCADLKE	01-06	C/FP	Env. Sys. Jacksonville, FL	01-06	07-06	Yes	No	
FY-07	150	2.1	NAWCADLKE	07-07	C/FP	Env. Sys. Jacksonville, FL	07-07	07-07	Yes	No	
<u>3. Power Cables</u>											
FY-05	93	1.0	N/A	N/A	WX	NSC Norfolk, VA	02-05	08-05	Yes	No	
FY-06	90	1.0	N/A	N/A	WX	NSC Norfolk, VA	02-06	08-06	Yes	No	
FY-07	93	1.0	N/A	N/A	WX	NSC Norfolk, VA	02-07	08-07	Yes	No	
<u>4. Resistive Load Banks</u>											
FY-05	30	14.5	NAWCADLKE	09-05	C/FP	Avtron Manufacturing, Inc	09-05	09-06	Yes	No	
FY-06	8	10	NAWCADLKE	09-06	C/FP	Avtron Manufacturing, Inc	09-06	09-07	Yes	No	
<u>5. Tactical Quiet Generator</u>											
FY-06	80	80.0	CECOM Monmouth, NJ	06-06	CPFF	Fermont Bridgeport, CT	06-06	10-07	Yes	No	
FY-07	80	80.0	CECOM Monmouth, NJ	06-07	CPFF	Fermont Bridgeport, CT	06-07	10-08	Yes	No	
D. REMARKS											
Note: Prices are based on previous contracts plus escalation. Quantities and cost are not always proportional. Buys are determined on total DOD procurements.											

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BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2006					
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy/Budget Activity 7</b>							P-1 ITEM NOMENCLATURE <b>70500 COMMON GROUND EQUIPMENT Common Ground Equipment (47C2) - Training</b>					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years	ID Code		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY												
COST (In Millions)	*	A		188.379	191.194	159.032	135.958	144.372	143.925	146.971	Continued	Continued
<p>Common Ground Equipment – Training provides aircrew and aviation maintenance training systems in two categories:</p> <p>General Training Equipment provides for the procurement of aviation training systems, including training devices and associated courseware, which are not associated with a specific aircraft platform. As required, includes modifications and updates to reflect changes in technology, or operating environment.</p> <p>Justification of Major Programs: Maintenance Computer Based Training (CBT) provides a formal, standardized training program throughout the fleet and schoolhouses for aircraft maintenance training. The Aircrew Combat Training System (ACTS) will procure hardware and courseware in support of post-FRS HS/HSL, VAQ, VP, and VAW platform aircrew training. Firefighting will procure mobile aircraft firefighting training systems for advanced skills training and for fleet damage control personnel. The "A" School program provides training devices for aviation maintenance basic skills training. The Air Traffic Control (ATC) program will procure control tower trainers for both basic qualification and proficiency training at various air stations.</p> <p>Modification/Modernization of Trainers provides for acquisition and updates for training systems supporting out-of-production aircraft.</p> <p>Justification of Major Programs: The Chief of Naval Aviation Training (CNATRA) program will provide upgrades to extend the service life of the TH-57 simulator. The Undergraduate Naval Flight Officer (UNFO) Training program acquires high fidelity weapons system simulations for UNFO training. The Fleet Aircrew Simulator Training (FAST) program will improve simulators' contribution to readiness. Rehost of the E-6 2F144 visual system. Upgrade P-3 2F142(F) Visual System and current P-3 Operational Flight Trainers (OFTs) to FAA level D equivalent trainers. USMC Federation Simulators guides and supports the interoperability of HQMC's Aviation Training Transformation Goals and Objectives.</p> <p>* Due to multiple Requiring Financial Managers (RFMs) in prior years, detailed breakout of PY data is not available.</p>												



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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System						DATE: February 2006						
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy/Budget Activity 7						ID Code A						P-1 ITEM NOMENCLATURE/SUBHEAD COMMON GROUND EQUIPMENT - TRAINING/47C2						
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 2005			FY2006			FY2007								
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost						
70200	<b>GENERAL TRAINING EQUIPMENT</b>																	
	1. A School Classroom Trainers/Training Devices				8,845			6,819			7,332							
	2. Aircrew Combat Training System (ACTS)				3,986			3,038			2,839							
	3. Air Traffic Control (ATC) <u>1/</u>				6,620			4,230			1,514							
	4. Aviation Phys & Water Survival Trainers				1,008			5,554			678							
	5. Landing Signal Officer Trainer Mod				0			2,053			207							
	6. Maintenance Computer Based Training				15,200			12,738			11,383							
	7. Mission Rehearsal Pre-Planned Product Improvement (PPPI)/Support				792			821			833							
	8. Mobile Aircraft Firefighting Training Device (MAFTD)			1	560	560	6	500	3,000	4	500	2,000						
	9. Other General Training Equipment Costs				3,006			1,466			1,911							
	<u>1/</u> Per Issue 62430, Hurricane Expenses, \$96K was applied against Line 3. Air Traffic Control (ATC)																	
					40,017			39,719			28,697							

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WEAPONS SYSTEM COST ANALYSIS P-5								Weapon System				DATE: February 2006						
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy/Budget Activity 7								ID Code A		P-1 ITEM NOMENCLATURE/SUBHEAD COMMON GROUND EQUIPMENT - TRAINING/47C2								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years	FY 2005			FY 2006			FY 2007								
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost						
70300	<b>MODIF/MODERN OF TRAINERS</b>																	
	10. CNATRA Trainer Support					5,511					9,445					7,527		
	11. Direct Support Readiness Training					4,000					3,400					0		
	12. E-6 Trainers/Support					4,416					188					5,918		
	13. EA-6B Trainers/Support					1,358					1,878					1,765		
	14. EP-3 Trainer Upgrade/Support					1,102					656					632		
	15. F/A-18 Trainers/Support					14,510					1,913					2,637		
	16. Fleet Aircrew Simulator Training (FAST)					53,743					86,026					50,359		
	17. H-60 Ordnance Handling Trainers					3,531					0					0		
	18. MH-53E OFT Visual System					7,995					543					169		
	19. P-3 Trainers/Support					41,827					7,685					7,399		
	20. S-3 Trainers/Support					744					195					0		
	21. Undergraduate Naval Flight Officer (UNFO) Training					0					13,421					16,366		
	22. USMC Federation Simulators					0					19,415					31,616		
	23. Other Modif/Modern of Trainers Costs					9,625					6,710					5,947		
	<b>SUBTOTAL - MODIF/MODERN OF TRAINERS</b>					<b>148,362</b>					<b>151,475</b>					<b>130,335</b>		
						<b>188,379</b>					<b>191,194</b>					<b>159,032</b>		

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WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System								DATE: February 2006					
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy/Budget Activity 7</b>				ID Code <b>A</b>	P-1 ITEM NOMENCLATURE/SUBHEAD <b>COMMON GROUND EQUIPMENT - TRAINING/47C2</b>												
COST CODE	ELEMENT OF COST	FY 2008		FY 2009			FY 2010			FY 2011			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
70200	<b>GENERAL TRAINING EQUIPMENT</b> 1. A School Classroom Trainers/Training Devices 2. Aircrew Combat Training System (ACTS) 3. Air Traffic Control (ATC) 4. Aviation Phys & Water Survival Trainers 5. Landing Signal Officer Trainer Mod 6. Maintenance Computer Based Training 7. Mission Rehearsal Pre-Planned Product Improvement (PPPI)/Support 8. Mobile Aircraft Firefighting Training Device (MAFTD) 9. Other General Training Equipment Costs																

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WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System				DATE: February 2006									
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy/Budget Activity 7				ID Code A	P-1 ITEM NOMENCLATURE/SUBHEAD COMMON GROUND EQUIPMENT - TRAINING/47C2												
COST CODE	ELEMENT OF COST																
		FY 2008			FY 2009			FY 2010			FY 2011			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
70300	<b>MODIF/MODERN OF TRAINERS</b> 10. CNATRA Trainer Support 12. E-6 Trainers/Support 13. EA-6B Trainers/Support 14. EP-3 Trainer Upgrade/Support 15. F/A-18 Trainers/Support 16. Fleet Aircrew Simulator Training (FAST) 19. P-3 Trainers/Support 24. T-45 Simulator Upgrade 25. Undergraduate Naval Flight Officer (UNFO) Training 22. USMC Federation Simulators 23. Other Modif/Modern of Trainers Costs																
	SUBTOTAL - MODIF/MODERN OF TRAINERS																

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CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE <b>February 2006</b>		
B. APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy/Budget Activity 7</b>					C. P-1 ITEM NOMENCLATURE <b>COMMON GROUND EQUIPMENT - TRAINING</b>				SUBHEAD <b>47C2</b>	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
Mobile Aircraft Firefighting Training Device (MAFTD)										
FY2005	1	560	NAWCTSD	8/04	FFP	KIDDE FIRE TRAINERS, INC FAIR LAWN NJ	3/05	11/05	Y	
FY2006	6	500	NAWCTSD	TBD	FFP	TBD	7/06	7/06	Y	
FY2007	4	500	NAWCTSD	TBD	FFP	TBD	7/07	7/07	Y	
D. REMARKS										

EXHIBIT P-43  
 SIMULATOR AND TRAINING DEVICE JUSTIFICATION

DATE: February 2006

Appropriation/P-1 Line Item  
 Aircraft Procurement, Navy/B.A.7/Common Ground Equipment - Training/47C2

Weapon System

IOC

Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		To Complete		Total		
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty
Mobile Aircraft	Firefighting Training Device (MAFTD)																								
	Patuxent River MD	11/05	11/05	1000			1	560																	
	MCAS Camp Butler	7/06	7/06	1000					1	500															
	Diego Garcia	7/06	7/06	1000					1	500															
	MCAS Iwakuni	7/06	7/06	1000					1	500															
	Ventura City	7/06	7/06	1000					1	500															
	Willow Grove	7/06	7/06	1000					1	500															
	Rota Spain	7/06	7/06	1000					1	500															
	Lakehurst NJ	7/07	7/07	1000							1	500													
	Naval Dist Washingto	7/07	7/07	1000							1	500													
	Guantanamo Bay	7/07	7/07	1000							1	500													
	MCAS Beaufort	7/07	7/07	1000							1	500													
	NSWC Crane	7/08	7/08	1000																					
	Great Lakes	7/08	7/08	1000																					
	NAS Meridian	7/08	7/08	1000																					
	NAS Brunswick	7/08	7/08	1000																					
	NSA Suda Bay, Crete	7/09	7/09	1000																					
	NAB Little Creek	7/09	7/09	1000																					
	MCAS New River	7/09	7/09	1000																					
	Atsugi	7/09	7/09	1000																					
	TBD	7/10	7/10	1000																					
	TBD	7/11	7/11	1000																					
Total							1	560	6	3,000	4	2,000													

Description

**BUDGET ITEM JUSTIFICATION SHEET**

**DATE:**

**February 2006**

**P-40**

APPROPRIATION/BUDGET ACTIVITY  
**APN-BA7 AIRCRAFT EQUIPMENT AND FACILITIES**

P-1 ITEM NOMENCLATURE  
**AIRCRAFT INDUSTRIAL FACILITIES**

Program Element for Code B Items:

Other Related Program Elements

AIRCRAFT INDUSTRIAL FACILITIES												
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program	
Quantity / Cost Cat												
Cost (\$M)	871.4		17.0	12.6	9.5	10.8	11.0	11.3	11.5	Cont	Cont	

DESCRIPTION: The Aircraft Industrial Facilities line funds property management, minor maintenance, environmental compliance and divestiture support for NAVAIR owned Aircraft Industrial Facilities (Naval Weapons Industrial Reserve Plants). This line also funds the procurement of Calibration Equipment.

	FY 2005	FY 2006	FY 2007
*Calibration Equipment	10.642	10.685	8.573
Contractor Facilities	6.394	1.900	.899

CALIBRATION EQUIPMENT: The objective of the Metrology/Calibration (METCAL) Program is to maintain required accuracy and consistency in Navy measurements. This ensures the required measurement accuracy of Test and Measurement Systems (TAMS) and Aviation Support Equipment used to test, repair and maintain Aviation Weapon Systems is adequate. Calibration is an on-cycle maintenance action and can be described as the comparison of a measurement device/system of unverified/unknown accuracy (TAMS or SE) to a device of known and greater accuracy (Calibration Standard). Calibration Equipment funds are used to procure Calibration Standards (CALSTDs) and ancillary equipment for Aviation Fleet Intermediate Calibration Activities, Fleet Training Activities and Aviation Navy Calibration Laboratories (NCLs) to support Aviation Organizational and Intermediate (I) level maintenance assets. Initial outfitting of all CALSTDs is the responsibility of the requiring project office with the replenishment/replacement of CALSTDs procured under this document. CALSTDs procured for Fleet 'I' level use are to replace obsolete and/or irreparable equipment, expand technical measurement capabilities to decrease Depot support costs, reduce out-of-service turn around times, provide enhanced forward deployed geographic support and reduce/control the NAVAIR cost of ownership associated with Calibration. Fleet 'I' level calibration activities support 70% of the total Fleet calibration workload. Maintenance of Fleet calibration capability through this funding results in the release of more expensive Depot level support manhours for more complex calibration maintenance and calibrations where economy of scale costs dictate single site or geographic calibration center capability. CALSTDs procured for NCLs allow for the automation and improvement of calibration procedures in order to reduce Depot level manhour expenditures required to support Fleet assets, reduce Fleet asset out-of-service and Turn around Time, expand technical calibration capabilities for enhanced in-theater Fleet support, and replace obsolete and high support cost CALSTDs.

\* \$3.76M, Issue 62430(Hurricane Katrina), in supplemental funding is included in FY06 totals.

**BUDGET ITEM JUSTIFICATION SHEET**

**DATE:**  
**February 2006**

**P-40**

APPROPRIATION/BUDGET ACTIVITY  
**APN-BA7 AIRCRAFT EQUIPMENT AND FACILITIES**

P-1 ITEM NOMENCLATURE  
**AIRCRAFT INDUSTRIAL FACILITIES**

Program Element for Code B Items:

Other Related Program Elements

AIRCRAFT INDUSTRIAL FACILITIES												
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program	
Quantity / Cost Cat												
Cost (\$M)	871.4		17.0	12.6	9.5	10.8	11.0	11.3	11.5	Cont	Cont	

CONTRACTOR FACILITIES: NAVAIR owns two active, contractor operated aircraft manufacturing plants and several hundred acres of environmentally contaminated land at two former plants. NAVAIR is the environmental permittee at three sites, legally responsible for environmental compliance including cleanup of offsite private property contaminated by activity originating on NAVAIR property. All NAVAIR property is in the process of disposal, but federal law requires environmental cleanup to be complete and fair market value to be paid if property is sold - which are parts of the disposal process not controlled by NAVAIR. Therefore final disposal dates are uncertain. This budget funds costs associated with property ownership including management of existing leases at operating facilities until divestiture is complete.

**BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS  
P-40a**

**DATE:**  
**February 2006**

APPROPRIATION/BUDGET ACTIVITY <b>APN-BA7 AIRCRAFT EQUIPMENT AND FACILITIES</b>					P-1 ITEM NOMENCLATURE <b>CALIBRATION EQUIPMENT</b>							
Procurement Items	ID Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program	
Automated/Interface CALSTD												
Quantity			118	126	163							
Funding		9,193	582	581	1,022							
Low Frequency AC/DC CALSTD												
Quantity			117	205	100							
Funding		84,282	965	2,107	883							
Other CALSTD Procurement												
Quantity			173	207	110							
Funding		3,254	1,887	1,664	1,337							
Other Costs		92,854	2,501	1,871	2,107							
Physical Dimen/Optical CALSTD												
Quantity			146	460	171							
Funding		101,141	2,308	1,182	1,120							
RF/Microwave CALSTD												
Quantity			68	103	57							
Funding		77,269	1,710	2,946	1,525							
Res/Impedance CALSTD												
Quantity			164	175	150							
Funding		33,947	689	334	579							
<b>Total</b>		<b>401,940</b>	<b>10,642</b>	<b>10,685</b>	<b>8,573</b>							

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System						DATE: February 2006					
APPROPRIATION/BUDGET ACTIVITY APN - BA7						ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD AIRCRAFT INDUSTRIAL FACILITIES - CALIBRATION EQUIPMENT										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS														
			Prior Years			FY2005			FY 2006			FY 2007			FY 2008		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
	Low Frequency AC/DC CALSTDs		84,282	117	8.25	965	205	10.28	2,107	100	8.83	883					
	RF/ Microwave CALSTDs		77,269	68	25.14	1,710	103	28.60	2,946	57	26.76	1,525					
	Physical Dimen / Optical CALSTDs		101,141	146	15.81	2,308	460	2.57	1,182	171	6.55	1,120					
	Res / Impedance CALSTDs		33,947	164	4.20	689	175	1.91	334	150	3.86	579					
	Automated / Interface CALSTDs		9,193	118	4.93	582	126	4.61	581	163	6.27	1,022					
	Other CALSTDs Procurement		3,254	173	10.91	1,887	207	8.04	1,664	110	12.15	1,337					
	Logistics / Engineering Support		28,899			1,159			836			1,058					
	Production / Acquisition		63,955			1,342			1,035			1,049					
			<b>401,940</b>			<b>10,642</b>			<b>10,685</b>			<b>8,573</b>					

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P-1 SHOPPING LIST  
ITEM NO. 57

**UNCLASSIFIED**

# UNCLASSIFIED

CLASSIFICATION:

<b>WEAPONS SYSTEM COST ANALYSIS</b> <b>P-5</b>							Weapon System				DATE: <b>February 2006</b>			
APPROPRIATION/BUDGET ACTIVITY <b>APN - BA7</b>							ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD <b>AIRCRAFT INDUSTRIAL FACILITIES - CALIBRATION EQUIPMENT</b>						
COST CODE	ELEMENT OF COST	FY 2009			FY 2010			FY 2011			To Complete		Total	
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost
	Low Frequency AC/DC CALSTDs RF/ Microwave CALSTDs Physical Dimen / Optical CALSTDs Res / Impedance CALSTDs Automated / Interface CALSTDs Other CALSTDs Procurement Logistics / Engineering Support Production / Acquisition													

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P-1 SHOPPING LIST  
ITEM NO. 57

CLASSIFICATION:

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CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE <b>February 2006</b>			
B. APPROPRIATION/BUDGET ACTIVITY <b>APN - BA7 AIRCRAFT EQUIPMENT AND FACILITIES</b>					C. P-1 ITEM NOMENCLATURE <b>CALIBRATION EQUIPMENT</b>					SUBHEAD <b>47C4</b>	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE	
Low Frequency AC/DC CALSTDs											
FY06	205	10.28	Multiple	Various	C/FP	Various	Mult	Mult	Yes	No	
FY07	100	8.83	Multiple	Various	C/FP	Various	Mult	Mult	Yes	No	
RF/ Microwave CALSTDs											
FY06	103	28.60	Multiple	Various	C/FP	Various	Mult	Mult	Yes	No	
FY07	57	26.76	Multiple	Various	C/FP	Various	Mult	Mult	Yes	No	
Physical Dimen / Optical CALSTDs											
FY06	460	2.57	Multiple	Various	C/FP	Various	Mult	Mult	Yes	No	
FY07	171	6.55	Multiple	Various	C/FP	Various	Mult	Mult	Yes	No	
Res / Impedance CALSTDs											
FY06	175	1.91	Multiple	Various	C/FP	Various	Mult	Mult	Yes	No	
FY07	150	3.86	Multiple	Various	C/FP	Various	Mult	Mult	Yes	No	
Automated / Interface CALSTDs											
FY06	126	4.61	Multiple	Various	C/FP	Various	Mult	Mult	Yes	No	
FY07	163	6.27	Multiple	Various	C/FP	Various	Mult	Mult	Yes	No	
Other CALSTDs Procurement											
FY06	207	8.04	Multiple	Various	C/FP	Various	Mult	Mult	Yes	No	
FY07	110	12.15	Multiple	Various	C/FP	Various	Mult	Mult	Yes	No	
D. REMARKS											

CLASSIFICATION:

**UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System								DATE: February 2006					
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy/ BA-7				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD Aircraft Industrial Facilities - Contractor Facilities												
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS														
			Prior Years	FY 2005			FY 2006			FY 2007			FY 2008				
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
73400	Various		469,421			6,394			1,900			899					
			469,421			6,394			1,900			899					0

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ITEM NO. 57

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System			DATE: February 2006					
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy/ BA-7							ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD Aircraft Industrial Facilities - Contractor Facilities							
COST CODE	ELEMENT OF COST	FY 2009			FY 2010			FY 2011			To Complete		Total		
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost	
		73400	<u>Various</u>												
				0				0				0			0

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ITEM NO. 57

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**BUDGET ITEM JUSTIFICATION SHEET  
P-40**

**DATE:  
February 2006**

APPROPRIATION/BUDGET ACTIVITY <b>APN-BA7 AIRCRAFT EQUIPMENT AND FACILITIES</b>							P-1 ITEM NOMENCLATURE <b>072000 WAR CONSUMABLES (J7C5 &amp; 47C5)</b>					
Program Element for Code B Items: <b>0204162N</b>							Other Related Program Elements					
WAR CONSUMABLES												
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program	
Quantity												
Cost (\$M)	\$439.2	A	\$39.5	\$10.4	\$34.9	\$49.0	\$42.5	\$35.4	\$10.7	Cont	Cont	

**DESCRIPTION:**

The WAR CONSUMABLES P-1 line item has two subcategories: Common Aircraft Armament Equipment (AAE) and War Consumables. The Common AAE program procures common bomb racks and peculiar bomb racks and launchers for out-of-production aircraft. The War Consumables portion funds procurement of airborne equipment which can be suspended, released, or jettisoned from aircraft, specifically aerial refueling stores.

**COMMON AIRCRAFT ARMAMENT EQUIPMENT (AAE)**

As directed by OPNAVINST 8000.16, this project corrects deficiencies and provides quantitative sustainment for Aircraft Armament Equipment having multiple aircraft applications. The appropriation provides for procurement of new AAE to replace attrition losses, provides for production engineering support, and satisfies commonality policy goals set forth by the Navy's Strike Warfare Master Plan. This account also procures High Pressure Pure Air Generators (HIPPAG) <sup>TM</sup> for AV-8B, F/A-18A-D, and AH-1W/Z aircraft. HIPPAG <sup>TM</sup> is an on-board coolant generator for IR seeking missiles which eliminates the burdens associated with high pressure vessels used previously. (HIPPAG) <sup>TM</sup> is particularly suited to the austere environment encountered by forward deployed VTOL aircraft. The LAU-7 missile launcher will be used on AV-8B, F/A-18A-D, and AH-1W/Z aircraft. The Pure Air Generating System (PAGS) is a system that will either replace the sole sourced HIPPAG or be a HIPPAG depending on the source selection process in FY06. This project also reprocures External Fuel Tanks for F/A-18A-D, S-3 and EA-6 Aircraft. In FY05, supplemental funding was provided to procure LAU-7's and HIPPAG's.

**WAR CONSUMABLES**

The War Consumables program, PE 0204161N, finances Aerial Refueling Systems, Hose Reel, and External Tank procurements. Requirements are determined by an inventory objective, which supports peacetime/wartime needs. War Consumable items are inventory managed by the Naval Inventory Control Point, Philadelphia and are under Naval Air Systems Command program and technical management. Aircraft equipped with the A/A42R-1 aerial refueling stores (ARS) are required for all carrier based tanking missions (overhead tanking (primarily recovery focused), strike, and yo-yo tanking). Total reliance on the ARS and integration to the F/A-18E/F requires substantial improvements to the existing stores to ensure their viability through 2040. Investigation of major subsystems in pursuit of life cycle cost savings, mitigation of flight safety risk, and reliability enhancements have identified a large dollar value return on investment for service life extension, reduction in flight safety risk, and areas where reliability improvements can be realized.

NOTE: FY2006 does not match the P-1 due to a technical error.

FY2006 shown above includes \$10.437M in Title IX funding.

**BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS**

**P-40a**

**DATE:**

**February 2006**

APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE							
APN/BA7 AIRCRAFT EQUIPMENT AND FACILITIES					WAR CONSUMABLES							
Procurement Items	ID Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program	
High Pressure Pure Air Generator	A											
Quantity		200	266									
Funding (\$K)		30,156	9,211									
LAU-7 Upgrade & Installation	A											
Quantity			192	60	375							
Funding (\$K)		33,436	6,064	2,097	12,262							
Pure Air Generating System												
Quantity				60	375							
Funding (\$K)				2,000	12,250							
BRU-55												
Quantity			135									
Funding (\$K)		0	10,988									
Other Costs		183,154	8,098	2,860	6,888							
Aerial Refueling Stores		192,455	5,147	3,480	3,516							
Total		439,201	39,508	10,437	34,916							

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CLASSIFICATION:

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System				DATE: <b>February 2006</b>						
APPROPRIATION/BUDGET ACTIVITY <b>APN/BA7 AIRCRAFT EQUIPMENT AND FACILITIES</b>				ID Code <b>A</b>		P-1 ITEM NOMENCLATURE/SUBHEAD <b>War Consumables</b>								
COST CODE	ELEMENT OF COST	ID Code	ALL COSTS IN THOUSANDS OF DOLLARS											
			Prior Years	FY 2005			FY2006			FY2007				
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
73600	COMMON AAE													
	Bomb Rack Upgrade & Install (1)	A	17,367			579		613			4,000			
73600	LAU-7 Upgrade & Installation	A	33,436	192	31.6	6,064	60	35.0	2,097	375	32.7	12,262		
73600	Pure Air Generating System F/LAU-7					0	60	33.3	2,000	375	32.7	12,250		
73600	High Press. Pure Air Gen.	A	30,156	266	34.6	9,211		0				0		
73600	Rack and Launcher Test Set		0			1,095		0				0		
73600	External Fuel Tanks		0			4,000		0				893		
73600	BRU-55		0	135	81.4	10,988		0				0		
73600	ILS		4,352			321		443				352		
73600	Product Improvement		9,139			880		530				276		
73600	Product Engineering		21,172			1,223		1,274				1,367		
73600	Various(2)		131,124											
	<b>TOTAL COMMON AAE</b>		<b>246,746</b>			<b>34,361</b>		<b>6,957</b>				<b>31,400</b>		
	<b>Note: FY05 includes \$11M of supplemental funds for LAU-7 and HIPAG</b>													
	<b>Aerial Refueling Stores</b>													
73500	Aerial Refueling Stores		24,535			4,441		3,003				3,036		
73500	Production Support		5,960			706		477				480		
73500	Various (2)		161,960											
	<b>TOTAL AERIAL REFUELING STORES</b>		<b>192,455</b>			<b>5,147</b>		<b>3,480</b>				<b>3,516</b>		
	(1) Quantities are not reflected due to procuring different bomb racks for multiple aircraft T/M/S.													
	(2) The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 00 and beyond.													
	<b>Total P-1 line item</b>		<b>439,201</b>			<b>39,508</b>		<b>10,437</b>				<b>34,916</b>		

P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION: **UNCLASSIFIED**

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CLASSIFICATION:

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: <b>February 2006</b>				
APPROPRIATION/BUDGET ACTIVITY				ID Code		P-1 ITEM NOMENCLATURE/SUBHEAD											
APN/BA7 AIRCRAFT EQUIPMENT AND FACILITIES				A		War Consumables											
COST CODE	ELEMENT OF COST	ALL COSTS IN THOUSANDS OF DOLLARS															
		FY 2008			FY 2009			FY 2010			FY 2011			To Complete		Total	
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Total Cost	Quantity	Cost
	<b>COMMON AAE</b>																
73600	Bomb Rack Mod Kits & Install																
73600	LAU-7 Upgrade & Installation																
73600	Pure Air Generating System F/LAU-7																
73600	High Press. Pure Air Gen.																
73600	External Fuel Tanks																
73600	ILS																
73600	Product Improvement																
73600	Product Engineering																
73600	IMER/ITER Install																
	<b>TOTAL COMMON AAE</b>																
	<b>Aerial Refueling Stores</b>																
73500	Aerial Refueling Stores																
73500	Production Support																
73500	Various																
	<b>TOTAL AERIAL REFUELING STORES</b>																
	Total P-1 line item																

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CLASSIFICATION:

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CLASSIFICATION: **UNCLASSIFIED**

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CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE <b>February 2006</b>		
B. APPROPRIATION/BUDGET ACTIVITY <b>APN/BA7 AIRCRAFT EQUIPMENT AND FACILITIES</b>					C. P-1 ITEM NOMENCLATURE <b>War Consumables</b>				SUBHEAD <b>J7C5</b>	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (\$K)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
<u>BRU-55</u>  FY-05	135	81.4	NAVAIR	Feb-05	SS/FP	EDO Mtech, Inc., Huntingdon Valley, PA	May-05	May-06	Yes	N/A
<u>Pure Air Generator Systems (Common AAE)</u>										
FY-06	60	33.3	NAVAIR	Aug-05	C/FP	UNKNOWN	Mar-06	Mar-07	Yes	N/A
FY-07	375	32.7	NAVAIR	Aug-06	C/FP	UNKNOWN	Mar-07	Mar-08	Yes	N/A
<u>LAU-7</u>  FY-05	192	31.6	NAVAIR	Aug-05	SS/FP	Marvin Eng., Inglewood, CA	Jun-05	Jun-06	Yes	N/A
FY-06	60	35.0	NAVAIR	Aug-05	C/FP	UNKNOWN	May-06	May-07	No	Feb-06
FY-07	375	32.7	NAVAIR	Aug-06	C/FP	UNKNOWN	Mar-07	Mar-08	Yes	N/A
<u>High Pressure Pure Air Generator (Common AAE)</u>										
FY-05	266	34.6	NAVAIR	Aug-04	SS/FP	Ultra Electronics, England	Feb-05	Feb-06	Yes	N/A
D. REMARKS										

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P-1 SHOPPING LIST

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FY07 PRESIDENT'S BUDGET PRODUCTION SCHEDULE, P-21						DATE <b>February 2006</b>																																																																																																																																																																																																					
APPROPRIATION/BUDGET ACTIVITY BA-1 <b>APN/BA7 Aircraft Equipment and Facilities</b>						Weapon System						P-1 ITEM NOMENCLATURE <b>War Consumables</b>																																																																																																																																																																																															
Item	Manufacturer's Name and Location					Production Rate			Procurement Leadtimes										Unit of Measure																																																																																																																																																																																								
						MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total																																																																																																																																																																																														
LAU-7 (Note 1)	TBD					TBD	TBD	TBD		5	12													17																																																																																																																																																																																			
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<p>Remarks:</p> <p>Note: 1 - LAU-7 and Pure Air Generating System MSR, ECON and MAX rates will be determined when the FY06 contract is awarded.</p>																																																																																																																																																																																																											

CLASSIFICATION: Unclassified

BUDGET ITEM JUSTIFICATION SHEET				DATE: February 2006							
APPROPRIATION/BUDGET ACTIVITY			P-1 ITEM NOMENCLATURE								
<b>Aircraft Procurement, Navy/BA-7</b>			<b>072500 Other Production Charges</b>								
Program Element for Code B Items:			Other Related Program Elements								
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY											
COST (In Millions)	\$184.6		\$7.9	\$13.8	\$19.5	\$22.9	\$28.4	\$26.0	\$23.0	CONT	CONT
<p>The Other Production Charges line provide funds for miscellaneous production support and testing services, aircraft cameras, aircraft pods, and instrumentation packages supporting tactical aircrew combat training and mobile sea range systems. The budget request supports the following efforts:</p> <p><b>TACTICAL COMBAT TRAINING SYSTEM (TCTS)</b>            The TCTS program will procure fixed, transportable, and mobile range equipment for the Navy for both shore-based (aircrew training) and deployable (ship/aircrew training) applications. TCTS instrumentation will transmit exercise scenarios: simulate/stimulate all exercise participants sensors and weapons with the exercise scenarios; track all exercise participants and events, e.g., weapons engagements; and provide accurate, realistic, and timely exercise feedback. TCTS is building on technology developed for existing tactical training range systems. This procurement primarily acquires airborne instrumentation participant subsystems for F-18/AV-8B Internal Subsystem (IS), Rotary and Transport Aircraft Rack-mounted Subsystem (RS), and other tactical aircraft Airborne Subsystem (AS). Beginning in FY09, Joint Tactical Radio System (JTRS) compliant data link transceiver retrofit kits will be procured to replace the non-compliant data link transceiver and to provide other performance enhancements.</p> <p><b>F-14 WSSA</b>            The Weapons System Support Activity (WSSA) evaluates and integrates changes in common avionics systems installed in the F-14 A/B/D aircraft to ensure that these systems remain compatible and do not degrade F-14 performance. This effort requires laboratory and flight evaluation to verify system performance and safety prior to installation in fleet aircraft. The current program plan supports WSSA software production into FY 2005.</p>											

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<b>BUDGET ITEM JUSTIFICATION SHEET</b>		DATE:
<b>P-40</b>		<b>February 2006</b>
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
<b>Aircraft Procurement, Navy/BA7</b>	<b>072500 OTHER PRODUCTION CHARGES</b>	
Program Element for Code B Items:	Other Related Program Elements	

**F-14 PRECISION STRIKE**

The F-14 Precision Strike Operational Document (ORD 406-88-95) dated 14 June 1995 delineates an urgent fleet requirement for a precision strike capability. To further the F-14's ability to satisfy this requirement, approval was granted for the Low Altitude Navigation and Targeting Infrared (System) for Night (LANTIRN) 40K Laser and the Joint Direct Attack Munition (JDAM) to be added as part of ROADMAP II, in January 1999.

The JDAM integration requires no aircraft modifications and is completed via software modifications. Therefore, no kit/installation costs are reflected. However, engineering and logistics efforts were required in FY 2001/2002 to support its IOC in FY 2001 (F-14B) and FY 2002 (F-14D). These efforts included separation testing, trainer updates and publication changes needed to field the system.

This line also includes funding to support the migration of the F-14 Mission Planning Module (MPM) for Tactical Automated Mission Planning System (TAMPS) to the Joint Mission Planning System (JMPS). With the integration of Global Positioning System and guided weapons into the aircraft, TAMPS/JMPS is required for the aircraft to be utilized in the fleet.

**Common Avionics Decen.**

Programmatic and technical support for PMA-209 in-production systems.

**LAU-7 Launcher Replacement**

FY06 Congressional Add for AIM-9X Sidewinder missile launcher replacement.

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WEAPONS SYSTEM COST ANALYSIS										DATE:		
P-5										February 2006		
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATU 38749							
Aircraft Procurement, Navy					072500 Other Production Charges							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS									
			Prior Years	FY 2005			FY 2006			FY 2007		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	<b>REWSON</b>											
	MISC SMALL EQUIPMENT & ECPS		10,483									
	ASQ-197 SENSOR DATA CONTROLS		1,590									
	<b>REWSON TOTAL</b>		<b>12,073</b>									
	<b>OTHER CAMERAS</b>											
	ENGINEERING/LOGISTICS SUPPORT FOR DIGITAL CAMERA SYSTEM		4,342									
	MISC SMALL EQPT UNDER \$100K		363									
	BASE STATION W/ PRINTER		755									
	DIGITAL CAMERA		1,114									
	<b>OTHER CAMERAS TOTAL</b>		<b>6,574</b>									
	<b>F-14 WSSA</b>		<b>93,911</b>				<b>99</b>					
	<b>F-14 Precision Strike</b>											
	LANTIRN/JDAM		8,716									
	TAMPS/JMPS		4,135				391					
	<b>F-14 PRECISION STRIKE TOTAL</b>		<b>12,851</b>				<b>391</b>					
	<b>TOTAL REWSON/Other Camera, Precision Strike and WSSA</b>		<b>125,409</b>				<b>490</b>					
74000	<b>Common Avionics Decen. (PMA 209)</b>		<b>6,498</b>				<b>1,302</b>					
	<b>LAU-7 Launcher Replacement</b>							100	35		<b>3,500</b>	
74950	<b>TCIS</b>											
	Participant Subsystem		5,040	24	125	3,000	80	85	6,780	197	80	15,845
	ILS		221			890			1,350			2,450
	Acceptance Test		741			851			600			45
	<b>OTHER</b>		<b>51,451</b>			<b>1,338</b>			<b>1,545</b>			<b>1,161</b>
			<b>184,600</b>			<b>7,871</b>			<b>13,775</b>			<b>19,501</b>

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WEAPONS SYSTEM COST ANALYSIS P-5			Weapon System												February 2006				
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy/BA-7			ID Code P-1 ITEM N 38749 072500 Other Production Charges																
COST CODE	ELEMENT OF COST	FY 2008			FY 2009			FY 2010			FY 2011			To Complete			TOTAL		
		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	Quantity	Cost	
	<b>REWSON</b> MISC SMALL EQUIPMENT & ECPS ASQ-197 SENSOR DATA CONTROLS <b>REWSON TOTAL</b>  <b>OTHER CAMERAS</b> ENGINEERING/LOGISTICS SUPPORT FOR DIGITAL CAMERA SYSTEM MISC SMALL EQPT UNDER \$100K BASE STATION W/ PRINTER DIGITAL CAMERA <b>OTHER CAMERAS TOTAL</b>  <b>F-14 WSSA</b>  <b>F-14 Precision Strike</b> LANTIRN/JDAM TAMPMS/JMPS <b>F-14 PRECISION STRIKE TOTAL</b>  <b>TOTAL REWSON/Other Camera, Precision                      Strike and WSSA</b>																		
740000	Common Avionics Decen. (PMA 209)																		
	<b>LAU-7 Launcher Replacement</b>																		
74950	<b>TCTS</b>																		
	Participant Subsystem																		
	ILS																		
	Acceptance Test																		
	Other Costs																		
	<b>TOTAL OTHER PROD CHRGS</b>																		

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CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE <b>February 2006</b>			
B. APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy/BA7					C. P-1 ITEM NOMENCLATURE <b>OTHER PRODUCTION CHARGES-TCTS</b>					47C6	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE	
<u>TCTS</u>											
Participant Subsystem											
Airborne Subsystem											
FY2005	24	125	ACC/WMR	12/02	FFP	Cubic San Diego, CA	7/05	4/06	N/A	N/A	
FY2006	80	85	ACC/WMR	12/02	FFP	Cubic San Diego, CA	3/06	3/07	N/A	N/A	
FY2007	197	80	ACC/WMR	12/02	FFP	Cubic San Diego, CA	1/07	11/07	N/A	N/A	
D. REMARKS											





BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: <b>February 2006</b>		
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy/BA 7</b>								P-1 ITEM NOMENCLATURE <b>SPECIAL SUPPORT EQUIPMENT - 47C7</b>				
Program Element for Code B Items: <b>Not Applicable</b>								Other Related Program Elements <b>Not Applicable</b>				
	Prior Years	ID Code		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY2011	To Complete	Total
QUANTITY												
COST (In Millions)	<b>576.670</b>			<b>60.821</b>	<b>105.054</b>	<b>64.968</b>	<b>44.982</b>	<b>40.701</b>	<b>26.665</b>	<b>23.346</b>	<b>continuing</b>	<b>continuing</b>
Details of this P-1 item are classified. Justification of this request is provided separately.												

<b>BUDGET ITEM JUSTIFICATION SHEET</b>										<b>DATE:</b> <b>February 2006</b>		
<b>P-40</b>												
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy BA-7</b>					P-1 ITEM NOMENCLATURE <b>FIRST DESTINATION TRANSPORTATION</b>							
Program Element for Code B Items:							Other Related Program Elements					
TRANSPORTATION												
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program	
Quantity / Cost Cat												
Cost (\$M)	\$ 55.087		\$ 2.336	\$ 1.608	\$ 1.671	\$ 1.708	\$ 1.744	\$ 1.781	\$ 1.819	Cont	Cont	

DESCRIPTION: This line finances the movement of newly procured equipment and material from the contractor's plant to the initial point of receipt by the Government.

**BASIS FOR FY 2007 BUDGET REQUEST:** Funds are requested for FY 2007 First Destination Transportation requirements.

**BUDGET ITEM JUSTIFICATION SHEET**

**DATE:**  
**February 2006**

**P-40**

APPROPRIATION/BUDGET ACTIVITY  
**APN-BA7 AIRCRAFT EQUIPMENT AND FACILITIES**

P-1 ITEM NOMENCLATURE  
**CANCELLED ACCOUNT ADJUSTMENTS**

Program Element for Code B Items:

Other Related Program Elements

ADJUSTMENTS												
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program	
Quantity / Cost Cat												
Cost (\$M)	\$ .000		\$ 1.473	\$ .000	\$ .000	\$ .000	\$ .000	\$ .000	\$ .000	\$ .000	Cont	Cont

DESCRIPTION: This line finances cancelled account adjustments.