PE NUMBER: 0604233F PE TITLE: Specialized Undergraduate Pilot Trainin

	Exhib	it R-2, RDT	&E Budget	t Item Just	ification			DATE	February	2004
	T ACTIVITY stem Development and Demonstrati	on (SDD)			E NUMBER AND		ergraduate Pi	lot Training		
	Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
	Total Program Element (PE) Cost	1.772	3.239	3.359	8.548	3.629	3.701	3.773	Continuing	TB
4102	Joint Primary Aircraft Training System (JPATS)	1.772	1.881	1.943	7.103	2.142	2.174	2.205	Continuing	TE
4376	T-38 Avionics Upgrade Program (AUP)	0.000	1.358	1.416	1.445	1.487	1.527	1.568	Continuing	TE
(the T-38A and AT-38B cockpits to support enhancements for the T-38 aircraft and to u changes brought about by the T-38 Propuls FAA-mandated changes, National Aerospa	update T-38 flig	ght performance tion Program (1	e models, Tech PMP). T-38 F	nical Orders, a Y02 and FY04	nd AUP softwa - FY09 funding	are for both airc g is for software	raft and Aircre	w Training Dev	
((] ;	enhancements for the T-38 aircraft and to u changes brought about by the T-38 Propuls	ipdate T-38 flig ion Moderniza ce System (NA y 5, System De	ght performance tion Program (I AS) requirement	e models, Tech PMP). T-38 F ts, and enhance	nical Orders, a Y02 and FY04 ements identifie	nd AUP softwa - FY09 funding ed during test a	are for both airc g is for software nd evaluation.	raft and Aircre block updates	ew Training Dev s driven by	vices for
((] ;	enhancements for the T-38 aircraft and to u changes brought about by the T-38 Propuls FAA-mandated changes, National Aerospa This program element is in Budget Activity aircraft, equipment, and components.	ipdate T-38 flig ion Moderniza ce System (NA y 5, System De	ght performance tion Program (I AS) requirement	e models, Tech PMP). T-38 F ts, and enhance	nical Orders, a Y02 and FY04 ements identifie	nd AUP softwa - FY09 funding ed during test a se it primarily i	are for both airc g is for software nd evaluation.	raft and Aircre block updates	ew Training Dev s driven by commercial der	vices for
() , , , , , , , , , , , , , , , , , ,	enhancements for the T-38 aircraft and to u changes brought about by the T-38 Propuls FAA-mandated changes, National Aerospa This program element is in Budget Activity aircraft, equipment, and components.	ipdate T-38 flig ion Moderniza ce System (NA y 5, System De	ght performance tion Program (I AS) requirement	e models, Tech PMP). T-38 F ts, and enhance	nical Orders, a Y02 and FY04 ements identifie	nd AUP softwa - FY09 funding ed during test a se it primarily i	are for both airc g is for software nd evaluation. nvolves the mis	raft and Aircre block updates sionization of <u>FY 2</u>	ew Training Dev s driven by commercial der	vices for
י נ י נ נ נ נ ג ג ג ג ג ג ג ג ג ג ג ג ג	enhancements for the T-38 aircraft and to u changes brought about by the T-38 Propuls FAA-mandated changes, National Aerospa This program element is in Budget Activity aircraft, equipment, and components. B. Program Change Summary (\$ in Milli Previous President's Budget Current PBR/President's Budget	ipdate T-38 flig ion Moderniza ce System (NA y 5, System De	ght performance tion Program (I AS) requirement	e models, Tech PMP). T-38 F ts, and enhance	nical Orders, a Y02 and FY04 ements identifie	nd AUP softwa - FY09 funding ed during test a se it primarily i	re for both airc g is for software nd evaluation. nvolves the mis <u>FY 2003</u> 1.867 1.772	raft and Aircre block updates sionization of <u>FY 2</u> 3 3	w Training Dev s driven by commercial der 2004 .267 .239	vices for ivative <u>FY 2005</u> 3.368
) (U 1 (U 2 (U 2 (U 2 (U 2 (U 2 (U 2 (U 2 (U 2	enhancements for the T-38 aircraft and to u changes brought about by the T-38 Propuls FAA-mandated changes, National Aerospa This program element is in Budget Activity aircraft, equipment, and components. B. Program Change Summary (\$ in Mill Previous President's Budget Current PBR/President's Budget Fotal Adjustments	ipdate T-38 flig ion Moderniza ce System (NA y 5, System De	ght performance tion Program (I AS) requirement	e models, Tech PMP). T-38 F ts, and enhance	nical Orders, a Y02 and FY04 ements identifie	nd AUP softwa - FY09 funding ed during test a se it primarily i	re for both airc g is for software nd evaluation. nvolves the mis <u>FY 2003</u> 1.867 1.772 -0.095	raft and Aircre block updates sionization of <u>FY 2</u> 3 3 -0	w Training Dev s driven by commercial der <u>2004</u> .267 .239 .028	vices for ivative <u>FY 2005</u>
。 。 : 。 : 。 : 。 。 。 。 。 。 。 。 。 。 。 。 。	enhancements for the T-38 aircraft and to u changes brought about by the T-38 Propuls FAA-mandated changes, National Aerospa This program element is in Budget Activity aircraft, equipment, and components. B. Program Change Summary (\$ in Mill Previous President's Budget Current PBR/President's Budget Fotal Adjustments Congressional Program Reductions	ipdate T-38 flig ion Moderniza ce System (NA y 5, System De	ght performance tion Program (I AS) requirement	e models, Tech PMP). T-38 F ts, and enhance	nical Orders, a Y02 and FY04 ements identifie	nd AUP softwa - FY09 funding ed during test a se it primarily i	re for both airc g is for software nd evaluation. nvolves the mis <u>FY 2003</u> 1.867 1.772	raft and Aircre block updates sionization of <u>FY 2</u> 3 3 -0	w Training Dev s driven by commercial der 2004 .267 .239	vices for ivative <u>FY 2009</u> 3.368
U) I U) I U) C U) C U) C U) C	enhancements for the T-38 aircraft and to u changes brought about by the T-38 Propuls FAA-mandated changes, National Aerospa This program element is in Budget Activity aircraft, equipment, and components. B. Program Change Summary (\$ in Milli Previous President's Budget Current PBR/President's Budget Fotal Adjustments Congressional Program Reductions Congressional Rescissions	ipdate T-38 flig ion Moderniza ce System (NA y 5, System De	ght performance tion Program (I AS) requirement	e models, Tech PMP). T-38 F ts, and enhance	nical Orders, a Y02 and FY04 ements identifie	nd AUP softwa - FY09 funding ed during test a se it primarily i	re for both airc g is for software nd evaluation. nvolves the mis <u>FY 2003</u> 1.867 1.772 -0.095	raft and Aircre block updates sionization of <u>FY 2</u> 3 3 -0	w Training Dev s driven by commercial der <u>2004</u> .267 .239 .028	vices for ivative <u>FY 2005</u> 3.368
U) I U) I U) (U U) (U U) (U U) (U	enhancements for the T-38 aircraft and to u changes brought about by the T-38 Propuls FAA-mandated changes, National Aerospa This program element is in Budget Activity aircraft, equipment, and components. B. Program Change Summary (\$ in Mill Previous President's Budget Current PBR/President's Budget Total Adjustments Congressional Program Reductions Congressional Rescissions Congressional Increases	ipdate T-38 flig ion Moderniza ce System (NA y 5, System De	ght performance tion Program (I AS) requirement	e models, Tech PMP). T-38 F ts, and enhance	nical Orders, a Y02 and FY04 ements identifie	nd AUP softwa - FY09 funding ed during test a se it primarily i	re for both airc g is for software nd evaluation. nvolves the mis <u>FY 2003</u> 1.867 1.772 -0.095 -0.021	raft and Aircre block updates sionization of <u>FY 2</u> 3 3 -0	w Training Dev s driven by commercial der <u>2004</u> .267 .239 .028	vices for ivative <u>FY 2005</u> 3.368
() () () () () () () () () ()	enhancements for the T-38 aircraft and to u changes brought about by the T-38 Propuls FAA-mandated changes, National Aerospa This program element is in Budget Activity aircraft, equipment, and components. B. Program Change Summary (\$ in Mill Previous President's Budget Current PBR/President's Budget Fotal Adjustments Congressional Program Reductions Congressional Rescissions Congressional Increases Reprogrammings	ipdate T-38 flig ion Moderniza ce System (NA y 5, System De	ght performance tion Program (I AS) requirement	e models, Tech PMP). T-38 F ts, and enhance	nical Orders, a Y02 and FY04 ements identifie	nd AUP softwa - FY09 funding ed during test a se it primarily i	re for both airc g is for software nd evaluation. nvolves the mis <u>FY 2003</u> 1.867 1.772 -0.095 -0.021 -0.020	raft and Aircre block updates sionization of <u>FY 2</u> 3 3 -0	w Training Dev s driven by commercial der <u>2004</u> .267 .239 .028	vices for ivative <u>FY 2005</u> 3.368
U) 1 U) 1 U) 0 U) 1 U) 0 U) 1 U) 0 U) 1 U) 0 U) 1 U) 1 U) 1 U) 1 U) 1 U) 1 U) 1 U) 1	enhancements for the T-38 aircraft and to u changes brought about by the T-38 Propuls FAA-mandated changes, National Aerospa This program element is in Budget Activity aircraft, equipment, and components. B. Program Change Summary (\$ in Mill Previous President's Budget Current PBR/President's Budget Total Adjustments Congressional Program Reductions Congressional Rescissions Congressional Increases	ipdate T-38 flig ion Moderniza ce System (NA y 5, System De	ght performance tion Program (I AS) requirement	e models, Tech PMP). T-38 F ts, and enhance	nical Orders, a Y02 and FY04 ements identifie	nd AUP softwa - FY09 funding ed during test a se it primarily i	re for both airc g is for software nd evaluation. nvolves the mis <u>FY 2003</u> 1.867 1.772 -0.095 -0.021	raft and Aircre block updates sionization of <u>FY 2</u> 3 3 -0	w Training Dev s driven by commercial der <u>2004</u> .267 .239 .028	vices for ivative <u>FY 2005</u> 3.368

R-1 Shopping List - Item No. 66-2 of 66-13

ExI	nibit R-2a, F	RDT&E Pro	ject Justif	ication			DATE	February	2004
BUDGET ACTIVITY 05 System Development and Demonstrat	ion (SDD)		0	PE NUMBER AND 0604233F Spe Pilot Training		ergraduate	PROJECT NUM 4102 Joint P System (JPA	BER AND TITLE	
Cost (\$ in Millions)	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Cost to	Total
	Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Complete	
4102 Joint Primary Aircraft Training System (JPATS)	1.772	1.881	1.943	7.103	2.142	2.174	2.205	Continuing	TBI
Quantity of RDT&E Articles	0	0	0	0	0	0	0		
The Joint Primary Aircraft Training Syste and associated Ground Based Training Sy transition into advanced training tracks les simulators, and other associated ground-b Budget Activity Justification: This progra missionization of commercial derivative a	stems (GBTS). ading to qualific ased training de am element is ir	The aircraft ar cation as militar evices, Training n Budget Activi	nd GBTS will f ry pilots, navig i Integration M ty 5, System E	be used to train gators, and nava lanagement Sys	entry-level stud l flight officers tem (TIMS), in	lent aviators i . The program structional co	n the fundamen n includes the p urseware, and lo	tals of flying so urchase of airc: ogistics support	they can raft,
 (U) <u>B. Accomplishments/Planned Program (</u> (U) Studies & development efforts. (U) Total Cost (U) G. O.L. D. D. D. D. D. J. G. M. G.						<u>F</u> Y	<u>7 2003</u> 1.772 1.772	<u>FY 2004</u> 1.881 1.881	<u>FY 2005</u> 1.943 1.943
(U) <u>C. Other Program Funding Summary (S</u>		Z 2004 E	X 2005	EV 2006	EV 2007	EV 2009	EV 2000	Castita	
			<u>Y 2005</u> Estimate	FY 2006 Estimate	<u>FY 2007</u> Estimate	<u>FY 2008</u> <u>Estimate</u>	<u>FY 2009</u> <u>Estimate</u>	<u>Cost to</u> <u>Complete</u>	Total Cost
 (U) AF RDT&E (U) Other APPN (U) Aircraft Procurement, Air Force, 	1.772	1.881	1.943	7.103	2.142	2.174	2.205	Continuing	TBD
BA-3			007.070	227.270		204 7 45	2.144	< 100	0 401 001
			307.072	327.270	293.262	204.745	3.144	6.400	2,421.991
	39.933	6.925	7.707	0.257	7.405	30.516	0.000	0.000	92.743
U) JPATS Mod Funding		4.201	3.850	4.709	5.747	13.402	11.739	26.320	69.968
U) Military Construction, Air ForceU) PE 0804741F, JPATSU) RDT&E, Navy, BA-7	6.000	0.000	2.200	2.000	0.000	0.000	0.000	0.000	19.050
(U) PE 0603208N, Training System Aircraft, H1150, JPATS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.300
Project 4102		R-1 Sh	opping List - Iten	n No. 66-3 of 66-1	3			Exhibit R-2a (PE 0604233F)
			790		-				

	Exhibit R-2a, RDT&E Project Justification									DATE February 2004			
	05 System Development and Demonstration (SDD) 0604233F Specialized Undergraduate 4102 Joi							IBER AND TITLE Primary Aircra ATS)	ft Training				
(U)	C. Other Program Funding Sum	<u>mary (\$ in Millior</u>	<u>15)</u>										
(U)	Aircraft Procurement, Navy, BA-3												
(U)	JPATS	27.570	21.736	2.534	0.956	147.684	295.627	301.665	1,192.200	2,160.094			
(U)	APN 5 Mod Funding		0.530	0.648	0.714	1.640	1.305	1.490	24.700	31.027			
(U)	APN 6 Spares	1.914	0.000	0.000	0.000	3.956	7.921	0.000	46.651	69.975			
(U)	Military Construction, Navy	2.000	0.000	11.000	13.900	0.000	6.200	0.000	0.000	46.900			

(U) **D. Acquisition Strategy**

JPATS was competitively awarded with the intent of maximizing the use of commercially available equipment and best commercial practices. Initially, the JPATS Program competitively awarded two contracts: a Firm Fixed Price Contractor Logistics Support (CLS) - Operations and Maintenance funds - contract and a Fixed Price Incentive Firm Target (FPIF) manufacturing development (MD)/production contract with seven options. The FY2002 (Lots 9-13) production contract for both the air vehicle and GBTS is Firm Fixed Price, FAR Part 12 (commercial).

I	Exhibit R-3, F	RDT&E Project Cos	st Analysis	5					DATE	Februa	rv 200)4
BUDGET ACTIVITY 05 System Development and Demons	stration (SDD)		PE NUMBE 0604233I Pilot Tra	- Spec		Jndergra	duate	4102		BER AND TIT	LE	
(U) <u>Cost Categories</u>	Contract Meth	od Performing Activity a	<u>& Total</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	Cost to	Total	Target
(Tailor to WBS, or System/Item	<u>& Type</u>	Location	Prior to FY	<u>2003</u>	2003	2004	2004	<u>2005</u>	2005	Complete	Cost	Value of
Requirements)			<u>2003</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u> <u>A</u>	ward	<u>Cost</u>	<u>Award</u>			Contract
(\$ in Millions)			<u>Cost</u>		Date		<u>Date</u>		<u>Date</u>			
(U) Product Development												
Raytheon Aircraft Company (RAC) */*	****C/FPI	RAC, Wichita KS	214.129		Jan-03	1.881 A	pr-04		Oct-04	Continuing	TBD	
Subtotal Product Development			214.129	1.772		1.881		1.943		Continuing	TBD	TBD
* RAC contract Total Progr Remarks: RAC EAC includes subco ****EACs based on GBTS	ontracted GBTS eff	fort, which is not individu		,	(),,							
(U) <u>Support</u>	V		44 210								תחד	
Various Subtotal Support	Various		44.210 44.210	0.000		0.000		0.000		Continuing Continuing	TBD TBD	
Remarks:			44.210	0.000		0.000		0.000		Continuing	IDD	0.000
(U) <u>Test & Evaluation</u>												
(0) <u>rest & Evaluation</u>											0.000	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000	0.000	
Remarks:			0.000	0.000		0.000		0.000		0.000	0.000	0.000
(U) <u>Management</u>												
											0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) Total Cost			258.339	1.772		1.881		1.943		Continuing	TBD	TBD
Project 4102		R-1 Shopping Lis	<u>t - Item No. 66-5</u> 792	of 66-13						Exhibit R	-3 (PE 06	604233F)

	Ext	nibit R-4, RDT&E Schedule	Profile	DATE February 2004
BUDGET A 05 Syste	ACTIVITY em Development and Demonstration	n (SDD)	PE NUMBER AND TITLE 0604233F Specialized Undergraduate Pilot Training	PROJECT NUMBER AND TITLE 4102 Joint Primary Aircraft Training System (JPATS)
ID 1 2 3 4	Task Name System-Level Multi-Service OT&E Durability & Damage Tolerance Testing RM&A Verification Follow-on OT&E			08
Project 4	102		Item No. 66-6 of 66-13	Exhibit R-4 (PE 0604233F)

	UNCLASSIFIED		
Exhibit R-4a, RDT&		DATE Febru	ary 2004
BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604233F Specialized Undergraduate Pilot Training	PROJECT NUMBER AND T 4102 Joint Primary Ai System (JPATS)	
 U) Schedule Profile U) Complete System-level Multi-Service OT&E U) Durability & Damage Tolerance Testing Complete 	<u>FY 2003</u> 2Q 2Q	<u>FY 2004</u>	<u>FY 2005</u>
U) Begin FOT&EU) Begin RM & A VerificationU) Complete RM & A Verification		1Q 2Q 3Q	
U) Complete FOT&E			1Q

	Exhibit R-2a, RDT&E Project Justification								DATE February 2004		
05 System Development and Demonstration (SDD)				C					ECT NUMBER AND TITLE T-38 Avionics Upgrade Program)		
	Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total	
4376	4376 T-38 Avionics Upgrade Program 0.000 1.358 1.4					1.487	1.527	1.568	Continuing	TBD	
	Quantity of RDT&E Articles	0	0	0	0	0	0	0			

(U) A. Mission Description and Budget Item Justification

The T-38 Avionics Upgrade Program (AUP) is an integrated modernization of the T-38A and AT-38B cockpits to support mission-ready fighter training and converts all T-38A and AT-38B aircraft to T-38C configuration. The modernized digital cockpit will include Global Positioning System (GPS), Head-Up Display (HUD), Inertial Navigation System (INS), Multi-Function Displays (MFDs), Up-Front Control Panel (UFCP), Data Transfer System (DTS), No-Drop Bombing System (NDBS), and Hands-On Throttle and Stick (HOTAS) switchology. HUD symbology is the new USAF standard recently certified as a primary flight reference. Also included is the acquisition of two types of Aircrew Training Devices (ATDs) to replace the existing T-51 simulators. The program includes the design, integration, test, and installation of the cockpit prototype in aircraft, ATDs, and other training devices, as well as engineering services, studies, analysis and support to determine the feasibility of incorporating changes for purposes of making informed life-cycle cost business decisions. Additionally, funds were included in FY00 and FY01 for Phase I testing of engine operability/suitability for the T-38 Propulsion Modernization Program (PMP) and to update T-38 flight performance models, Technical Orders, and AUP software for changes brought about by the T-38 PMP. FY02 and FY04 - FY09 funding is for AUP block software updates driven by FAA-mandated changes; National Aerospace System (NAS) requirements such as Global Air Traffic Management (GATM), Joint Precision Approach and Landing System (JPALS), GPS, GPS Embedded Module (GEM) issues (Selective Availability Anti-Spoofing Module (SAASM), precision and GPS approaches); and/or enhancements identified during Development Testing, Operational Testing and Force Development Evaluation (FDE), and AETC operations such as scratch pad, improvements to UFCP, HUD, Built In Test (BIT), mechanization of menus/modes and mission planning/debriefing system, ATD HUD projectors, and Companion Aircraft Model (CAM) operations.

Budget Activity Justification. This project is in Budget Activity 5, System Development and Demonstration (SDD) because it primarily involves the missionization of commercial derivative aircraft, equipment, and components.

(U	J) <u>B. Accomplishments/Planned Program (\$ in Millions)</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U	J) No Activity as a result of no FY03 Funding	0.000	0.000	0.000
(U	J) Develop and test Block 4 T-38C AUP aircraft and ATD software for requirements driven by FAA/NAS mandates and/	0.000	1.322	0.000
	improvements identified during Test and Evaluation and AETC operations.			
(U	J) Develop and test Block 5 T-38C AUP aircraft and ATD software for requirements driven by FAA/NAS mandates and/	0.000	0.000	1.366
	improvements identified during Test and Evaluation and AETC operations.			
(U	J) Other Government Cost and Test		0.036	0.050
(U	J) Total Cost	0.000	1.358	1.416
F	Project 4376 R-1 Shopping List - Item No. 66-8 of 66-13		Exhibit R-2a	(PE 0604233F)
	705			

Exhibit R-2a, RDT&E Project Just	ification	DATE February 2004	
BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	0604233F Specialized Undergraduate		r NUMBER AND TITLE 38 Avionics Upgrade Program

(U) <u>C. Other Program Funding Summary (\$ in Millions)</u>

(U) D. Acquisition Strategy

The T-38 AUP competitively awarded three contracts to a single prime: a) a cost plus award fee EMD contract with six firm fixed price production options; b) a firm fixed price CLS contract for avionics including Contractor Owned and Maintained Base Supply (COMBS) (O&M funds); and c) a fixed price award fee maintenance contract for the current and new Aircrew Training Devices (ATDs). During FY04 new firm fixed priced contract will be negotiated to complete the AUP modification, and unpriced delivery orders for the period FY05-08 will be negotiated for the aircraft CLS contract. The T-38 PMP is comprised of four contractual efforts: a J85-5 engine modification and ejector nozzle will be sole source additions to a current contract with General Electric, b) the inlet/former/bulkhead kits will be a competitive award; c) a task order will be established on the existing Contractor Field Team (CFT) contract for kit installation; and d) the T-38 software changes required by the PMP will be added to the existing Boeing contract for the AUP. FY02 and FY04 software block updates will be changes to existing contracts, and FY05-09 block updates will be performed on the new contract.

	Exhibit R-3, RD	T&E Project Cost	Analysis	S					DATE	Februa	ry 20()4
									T-38 Av	T NUMBER AND TITLE -38 Avionics Upgrade Program		
(U) Cost Categories	Contract Method	Performing Activity &	<u>Total</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	Cost to	<u>Total</u>	Target
(Tailor to WBS, or System/Item	<u>& Type</u>	Location	<u>Prior to FY</u>	<u>2003</u>	<u>2003</u>	<u>2004</u>	<u>2004</u>	<u>2005</u>	<u>2005</u>	Complete	<u>Cost</u>	Value of
Requirements)			<u>2003</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u>	Award			<u>Contrac</u>
(\$ in Millions)			<u>Cost</u>		<u>Date</u>		<u>Date</u>		<u>Date</u>			
(U) Product Development												
The Boeing Corporation	C/CPAF	The Boeing										
		Corporation	64.860	0.000 1	Nov-02	1.322	Dec-03	1.366	Jan-05	Continuing	TBD	
		St. Louis MO										
ASC/YT	Various	ASC/YT WPAFB OH	9.651	0.000		0.016		0.020		Continuing	TBD	
GE	CPFF	GE, Lynn MA	0.738	0.000		0.000		0.000		0.000	0.738	
ASC/LP	Various	ASC/LP, WPAFB OH	0.039	0.000		0.000		0.000		0.000	0.039	
Subtotal Product Development Remarks:			75.288	0.000		1.338		1.386		Continuing	TBD	0.000
(U) <u>Support</u>												
OO-ALC/LCT	Various	OO-ALC/LCT Hill AFB UT	0.194	0.000		0.000		0.000		Continuing	TBD	
AETC	Various	AETC Randolph AFB TX	0.200	0.000		0.000		0.000		Continuing	TBD	
OO-ALC/YWT	Various	OO-ALC/YWT Ogden AFB UT	0.345	0.000		0.000		0.000		Continuing	TBD	
Subtotal Support			0.739	0.000		0.000		0.000		Continuing	TBD	0.000
Remarks:			01103	0.000		0.000		0.000		commung	155	0.000
(U) <u>Test & Evaluation</u>												
416 FLTS	РО	416 FLTS Edwards AFB CA	3.382	0.000		0.020		0.030		Continuing	TBD	
AFOTEC	РО	AFD CA AFOTEC Kirtland AFB NM	0.331	0.000		0.000		0.000		Continuing	TBD	
Subtotal Test & Evaluation			3.713	0.000		0.020		0.030		Continuing	TBD	0.000
Remarks:			5.715	0.000		0.020		0.050		Continuing	עמי	0.000
(U) <u>Management</u>											0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000 0.000	
Remarks:			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Project 4376		R-1 Shopping List - I	tem No. 66-10) of 66-13						Exhibit R	-3 (PE 06	604233F)

Exhibit R-3, RDT&E P	DATE February 2004						
BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604233F Specialized Undergraduate Pilot Training			T NUMBER AND TITL -38 Avionics Upg	D TITLE Upgrade Program		
U) Total Cost	79.740 0.000	1.358	1.416	Continuing	TBD 0.00		
Project 4376 R-1	1 Shopping List - Item No. 66-11 of 66-13			Exhibit R-	3 (PE 0604233F)		

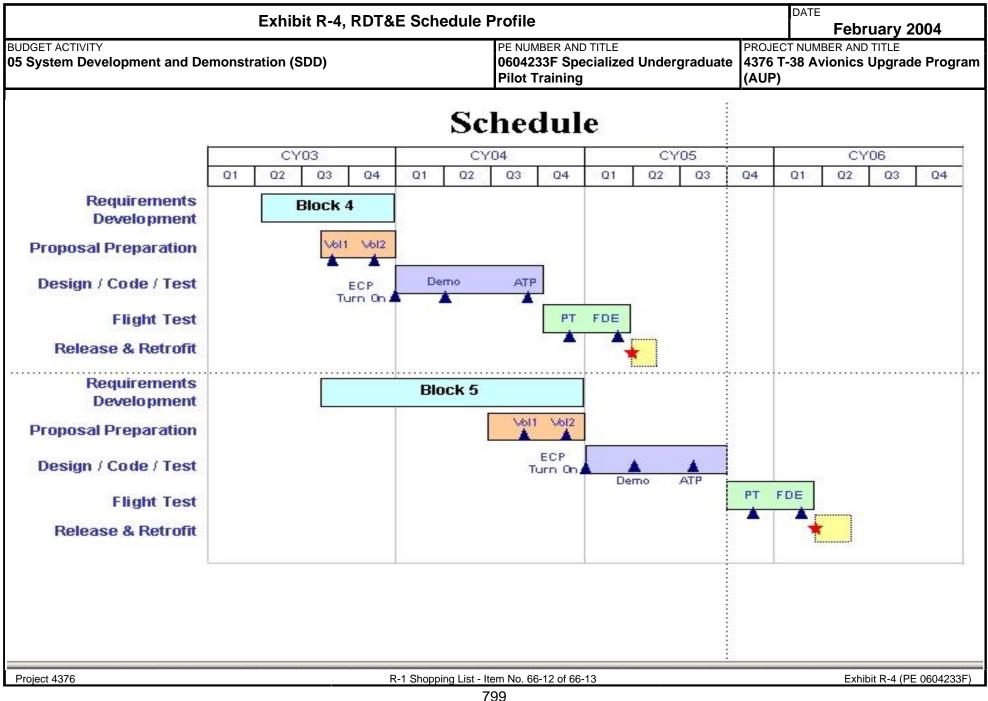


Exhibit R-4a, RDT&E	Schedule Detail		ebruary 2004
BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604233F Specialized Undergraduat Pilot Training	e 4376 T-38 Avio (AUP)	R AND TITLE nics Upgrade Progran
 (U) <u>Schedule Profile</u> (U) Required Assets Available (RAA), Columbus AFB (U) Field Software Block 3 	<u>FY 2003</u> 2Q 4Q	<u>FY 2004</u>	<u>FY 2005</u>
U) Required Assets Available (RAA), Vance AFBU) Initiate Sotware Block 4 on AUPU) Required Assets Available (RAA), Randolph AFB		1Q 1Q 3Q	
U) Field Sotware Block 4U) Required Assets Available (RAA), Laughlin AFBU) Initiate Sotware Block 5 on AUP			1Q 2Q 2Q