#### PE NUMBER: 0207581F PE TITLE: JOINT STARS

Exhi	bit R-2, RD1	&E Budge	t Item Just	tification			DATE	Fobruary	2004
UDGET ACTIVITY	•			E NUMBER AND	TITLE			February	2004
7 Operational System Development				207581F JOII					
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	
Total Program Element (PE) Cost	62.103	57.760	89.247	128.415	79.361	71.838	59.371	0.000	0.0
0003 JSTARS	62.103	57.760	89.247	128.415	79.361	71.838	59.371	0.000	0.0
(I) A Mission Description and Budget Its									
U) <u>A. Mission Description and Budget Ite</u> The Joint Surveillance Target Attack Rad		t STADS) prog	rom produces t	the world's pror	niar airhanna ar	ound curucillor	a platform	maating joint as	mhat
capability requirements. The 707-based									
		-						-	•
ground targets, slowly moving rotary and	l fixed wing airc	raft. and rotatir	ng antennas. Jo	oint STARS pro	ovides target inf	ormation for m	atching direct	attack aircraft.	standoff
	-		-	-	-		-		
weapons, and ground-based attack assets	-	-	•	-		and reconnaiss	ance (ISK) and	u target acquisi	1011
systems. This capability enables air and	ground comman	ders to effectiv	ely make and e	execute battle d	ecisions.				
This program element enhances the warf	ighter's ability to	achieve the io	int vision of co	mbat operation	s It develops a	advanced battle	management	aids and inform	ation
	• •			-	-		-		ution
fusion to enable rapid decisions in tracking		-	-	-	-				
definition/risk reduction efforts, and stud	ies support conti	nuous improve	ements in Com	mand/ Control a	and ISR (C2ISF	R) capabilities.	These efforts	include, but are	not
limited to, manned and unmanned platfor	ms_snace_data_l	inks advanced	Battle-Manage	ement Comman	d Control and	Communicatio	ns (BMC3) co	ncents ISR	
-	-		-					-	14
Constellation, Air Moving Target Indicat		-	-		5/S and other I	arge airborne p	latform integr	ation efforts. 1	ne result
is greater mission capability, higher miss	ion reliability, a	nd maximum w	eapon system	availability.					
This program is in Budget Activity 7, Op	erational System	ns Developmen	t due to effort	s supporting a r	ost-Milestone	III operational s	weanon system	n	
	-	is Developmen	it, due to enort	s supporting a p	jost-ivinestone		weapon system		
U) <u>B. Program Change Summary (\$ in M</u>	<u>illions)</u>					FY 2003	EV	2004	FY 2005
J) Previous President's Budget						60.317		<u>2004</u> 3.431	<u>F1 2003</u> 89.481
						62.103		7.760	89.481
e e									89.247
J) Total Adjustments						1.786		).671	
J) Congressional Program Reductions							-(	).497	
Congressional Rescissions							-(	).174	
Congressional Increases									
Reprogrammings						3.453			
SBIR/STTR Transfer						-1.667			
J) <u>Significant Program Changes:</u>									
	tual Cantan ( A D			A inhama Dat	41-fi-14 Comment	and and Constant	Combon (ADC	CC) Carabilit	
- Airborne Battlefield Command and Cor	itroi Center (AB	CCC) project r	iame changed t	o Airborne Bat	uenela Comma	ind and Control	Center (ABC	CC) Capability	
		D 1 Sha	oping List Itom	No. 152-2 of 152				Evhibit R-2 (I	0007501

R-1 Shopping List - Item No. 152-2 of 152-8

Exhibit R-2 RDT&F	Budget Item Justification	DATE
		February 2004
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207581F JOINT STARS	
Integration (ACI)		
	increase in test costs. It is a one-time wing structure upgrade of the dedicate	ed test aircraft. The remaining
fleet is receiving the same modification via APAF funds.		
- In FY04, the majority of ASU funding was transferred to the c	centrally controlled Tactical Data Link program element (PE #0207448F)	
	R-1 Shopping List - Item No. 152-3 of 152-8	Exhibit R-2 (PE 0207581F)

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				SIFIED			DATE					
	Exhibit R-2a, F	RDT&E Pro	ject Justifi	cation			DATE	February	2004			
7 Operational System Development 0207581F JOINT STARS 0003									JECT NUMBER AND TITLE			
Cost (\$ in Millions			FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total			
003 JSTARS	62.103	57.760	89.247	128.415	79.361	71.838	59.371	0.000	0.			
Quantity of RDT&E Article	6 0	0	0	0	0	0	0					
capability requirements. The 7 ground targets, slowly moving weapons, and ground-based atta	otary and fixed wing airc	raft, and rotatin targets, and ca	ng antennas. Jo n be cued by of	oint STARS pro- ther intelligence	vides target inf e, surveillance,	ormation for m	atching direct	attack aircraft,	standoff			
This program element enhances fusion to enable rapid decisions definition/risk reduction efforts limited to, manned and unmanr Constellation, Air Moving Targ is greater mission capability, hi	the warfighter's ability to in tracking and killing tin and studies support conti ed platforms, space data h et Indicator (AMTI), Grou	ne-critical targe nuous improve inks, advanced and Moving Ta	int vision of co ets, and helps a ements in Comr Battle-Manage arget Indicator (	ombat operations chieve predictiv mand/ Control a ement Comman (GMTI), Mode	s. It develops a ve battlespace a nd ISR (C2ISF d, Control and	wareness. Cor (capabilities) Communication	ncept explorati These efforts ns (BMC3) co	on, program include, but are ncepts, ISR	not			
This program element enhances fusion to enable rapid decisions definition/risk reduction efforts limited to, manned and unmanr Constellation, Air Moving Targ is greater mission capability, hi This program is in Budget Acti	the warfighter's ability to in tracking and killing tin and studies support conti ed platforms, space data 1 et Indicator (AMTI), Grou ther mission reliability, an rity 7, Operational System <b>Program (\$ in Millions)</b>	ne-critical targe nuous improve inks, advanced und Moving Ta nd maximum w ns Developmen	int vision of co ets, and helps a ements in Com Battle-Manage arget Indicator ( reapon system a t, due to efforts	mbat operations chieve predictive mand/ Control a ement Comman (GMTI), Mode availability. s supporting a p	s. It develops a ve battlespace a nd ISR (C2ISF d, Control and 5/S and other la ost-Milestone I	wareness. Cor R) capabilities. Communication arge airborne p III operational w <u>FY</u>	ncept explorati These efforts ns (BMC3) co latform integra weapon systen 2003	on, program include, but are ncepts, ISR ation efforts. T n. <u>FY 2004</u>	e not			
<ul> <li>This program element enhances fusion to enable rapid decisions definition/risk reduction efforts limited to, manned and unmanr Constellation, Air Moving Targ is greater mission capability, hi</li> <li>This program is in Budget Acti</li> <li><b>B. Accomplishments/Planned I</b></li> <li>SATCOM EMD (FY03 only), co (ACI), etc.</li> <li>Spiral Development and Kill Ch</li> </ul>	the warfighter's ability to in tracking and killing tim and studies support conti ed platforms, space data h et Indicator (AMTI), Grou gher mission reliability, an rity 7, Operational System <b>Program (\$ in Millions)</b> nnectivity, Airborne Batt in (examples: Advanced	ne-critical targe nuous improve inks, advanced and Moving Ta ad maximum w as Developmen lefield Commar Radar Modes, A	int vision of co ets, and helps a ements in Com Battle-Manage arget Indicator ( eapon system a t, due to efforts nd & Control C	ombat operations chieve predictive mand/ Control a ement Comman (GMTI), Mode availability. s supporting a p Center Capabilit	s. It develops a ve battlespace a nd ISR (C2ISF d, Control and 5/S and other la ost-Milestone I y Insertion	wareness. Cor capabilities. Communication arge airborne p (II operational w <u>FY</u> 15	ncept explorati These efforts ns (BMC3) co latform integra weapon system	on, program include, but are ncepts, ISR ation efforts. T 1.	e not he result			
<ul> <li>This program element enhances fusion to enable rapid decisions definition/risk reduction efforts limited to, manned and unmanr Constellation, Air Moving Targ is greater mission capability, hi</li> <li>This program is in Budget Acti</li> <li><b>B. Accomplishments/Planned I</b></li> <li>SATCOM EMD (FY03 only), co (ACI), etc.</li> <li>Spiral Development and Kill Ch Find-Fix-Target-Track-Engage-A</li> </ul>	the warfighter's ability to in tracking and killing tim and studies support conti ed platforms, space data h et Indicator (AMTI), Grou gher mission reliability, an rity 7, Operational System <b>Program (\$ in Millions)</b> nnectivity, Airborne Batt in (examples: Advanced assess (F2T2EA), SPO op	ne-critical targe nuous improve inks, advanced und Moving Ta nd maximum w as Developmen lefield Comma Radar Modes, <i>A</i> erations, etc.)	int vision of co ets, and helps a ements in Com Battle-Manage arget Indicator ( veapon system a t, due to efforts nd & Control C Automatic Targ	ombat operations chieve predictive mand/ Control a ement Comman (GMTI), Mode availability. s supporting a p Center Capabilit get Recognition	s. It develops a ve battlespace a nd ISR (C2ISE d, Control and 5/S and other la ost-Milestone I y Insertion	wareness. Cor capabilities. Communication arge airborne p III operational w <u>FY</u> 15	ncept explorati These efforts ns (BMC3) co latform integra weapon system <u>2003</u> 5.932	on, program include, but are ncepts, ISR ation efforts. T n. <u>FY 2004</u> 8.100	e not he result <u>FY 200</u> 8.02			
<ul> <li>This program element enhances fusion to enable rapid decisions definition/risk reduction efforts limited to, manned and unmanr Constellation, Air Moving Targ is greater mission capability, hi</li> <li>This program is in Budget Acti</li> <li><b>B. Accomplishments/Planned I</b></li> <li>SATCOM EMD (FY03 only), co (ACI), etc.</li> <li>Spiral Development and Kill Ch Find-Fix-Target-Track-Engage-A</li> <li>Global Air Traffic Mgmt (GAT)</li> </ul>	the warfighter's ability to in tracking and killing tim and studies support conti ed platforms, space data le et Indicator (AMTI), Grou gher mission reliability, an rity 7, Operational System <b>Program (\$ in Millions)</b> nnectivity, Airborne Batt in (examples: Advanced a sssess (F2T2EA), SPO op I) (i.e.; TCAS, Mode 5/S,	ne-critical targe nuous improve inks, advanced and Moving Ta nd maximum w as Developmen lefield Comman Radar Modes, <i>A</i> erations, etc.) etc.) and Joint	int vision of co ets, and helps a ements in Com Battle-Manage arget Indicator ( veapon system a t, due to efforts nd & Control C Automatic Targ Services Work	ombat operations chieve predictive mand/ Control a ement Comman (GMTI), Mode availability. s supporting a p Center Capabilit get Recognition c Station (JSWS	s. It develops a ve battlespace a nd ISR (C2ISF d, Control and 5/S and other la ost-Milestone I y Insertion	wareness. Cor capabilities. Communication arge airborne p III operational w <u>FY</u> 15 2 0	ncept explorati These efforts ns (BMC3) co latform integra weapon systen 2003 5.932 3.562	on, program include, but are ncepts, ISR ation efforts. T n. <u>FY 2004</u> 8.100 4.859	e not he result <u>FY 200</u> 8.02 42.91			
<ul> <li>This program element enhances fusion to enable rapid decisions definition/risk reduction efforts limited to, manned and unmanr Constellation, Air Moving Targ is greater mission capability, hi</li> <li>This program is in Budget Acti</li> <li><b>B. Accomplishments/Planned I</b></li> <li>SATCOM EMD (FY03 only), co (ACI), etc.</li> <li>Spiral Development and Kill Ch Find-Fix-Target-Track-Engage-A</li> <li>Global Air Traffic Mgmt (GATM)</li> <li>Training &amp; Support Systems devetc.)</li> </ul>	the warfighter's ability to in tracking and killing tim and studies support conti- ed platforms, space data h et Indicator (AMTI), Grou- gher mission reliability, an rity 7, Operational System <b>Program (\$ in Millions)</b> nnectivity, Airborne Batt in (examples: Advanced assess (F2T2EA), SPO op I) (i.e.; TCAS, Mode 5/S, elopment (examples: Wea	ne-critical targe nuous improve inks, advanced and Moving Ta nd maximum w as Developmen lefield Comman Radar Modes, <i>A</i> erations, etc.) etc.) and Joint	int vision of co ets, and helps a ements in Com Battle-Manage arget Indicator ( veapon system a t, due to efforts nd & Control C Automatic Targ Services Work	ombat operations chieve predictive mand/ Control a ement Comman (GMTI), Mode availability. s supporting a p Center Capabilit get Recognition c Station (JSWS	s. It develops a ve battlespace a nd ISR (C2ISF d, Control and 5/S and other la ost-Milestone I y Insertion	wareness. Cor capabilities. Communication arge airborne p (II operational w <u>FY</u> 15 2 6 6 6 6 6 6 6 6 6 6 6 6 6	ncept explorati These efforts ns (BMC3) co latform integra weapon system 2003 5.932 3.562 5.391	on, program include, but are ncepts, ISR ation efforts. T n. <u>FY 2004</u> 8.100 4.859 8.666	e not he result <u>FY 200</u> 8.02 42.91 0.33			
<ul> <li>This program element enhances fusion to enable rapid decisions definition/risk reduction efforts limited to, manned and unmanr Constellation, Air Moving Targ is greater mission capability, hi</li> <li>This program is in Budget Acti</li> <li><b>B. Accomplishments/Planned I</b></li> <li>SATCOM EMD (FY03 only), cd (ACI), etc.</li> <li>Spiral Development and Kill Ch Find-Fix-Target-Track-Engage-J</li> <li>Global Air Traffic Mgmt (GATM)</li> <li>Training &amp; Support Systems device</li> </ul>	the warfighter's ability to in tracking and killing tim and studies support conti- ed platforms, space data 1 et Indicator (AMTI), Grou- gher mission reliability, an rity 7, Operational System <b>Program (\$ in Millions)</b> nnectivity, Airborne Batt in (examples: Advanced assess (F2T2EA), SPO op I) (i.e.; TCAS, Mode 5/S, elopment (examples: Wea- ty efforts, etc. Force, JSTARS Extended	ne-critical targe nuous improve inks, advanced and Moving Ta ad maximum w as Developmen lefield Comman Radar Modes, A erations, etc.) etc.) and Joint apon System Tr	int vision of co ets, and helps a ements in Com Battle-Manage arget Indicator ( veapon system a t, due to efforts nd & Control C Automatic Targ Services Work rainer Motion/V	ombat operations chieve predictive mand/ Control a ement Comman (GMTI), Mode availability. s supporting a p Center Capabilit get Recognition c Station (JSWS Visual, Navigati	s. It develops a ve battlespace a nd ISR (C2ISF d, Control and 5/S and other la ost-Milestone I y Insertion , in FY03 only) on Trainer,	wareness. Cor capabilities. Communication arge airborne p III operational w <u>FY</u> 15 6 6 6 6 7 8	Acept explorati These efforts ns (BMC3) co latform integra weapon system 2003 5.932 3.562 5.391 0.748	on, program include, but are ncepts, ISR ation efforts. T n. <u>FY 2004</u> 8.100 4.859 8.666 0.473	not he result <u>FY 200</u>			

R-1 Shopping List - Item No. 152-4 of 152-8

Project 0003

Exhibit R-2a (PE 0207581F)

	UNCLASSIFIED	
Exhibit R-2a, RD	DATE February 2004	
BUDGET ACTIVITY D7 Operational System Development	PE NUMBER AND TITLE 0207581F JOINT STARS	PROJECT NUMBER AND TITLE 0003 JSTARS
U) <u>C. Other Program Funding Summary (\$ in Millions)</u>		
<ul> <li>D. Acquisition Strategy FY03 was the last year APAF (BP10) funding was received.</li> </ul>	. The AF will continue various fleetwide modifications through	out the life of the Joint STARS weapon system.
In FY03 PB marks, Congress directed DoD to decide on Join cease Joint STARS production at 17 aircraft.	nt STARS production status and to submit reprogramming to im	plement that decision. The Department will
Project 0003	R-1 Shopping List - Item No. 152-5 of 152-8	Exhibit R-2a (PE 0207581F

BUDGET ACTIVITY       PE NUMBER AND TITLE       PROJECT NUMBER AND TITLE         07 Operational System Development       0207581F JOINT STARS       0003 JSTARS         (U) Cost Categories (Tailor to WBS, or System/Item       Contract Method       Performing Activity & Total       FY       FY       FY       FY       EY       FY       Cost to       Total       Total       Contract Method       Performing Activity & Total       EY       FY       FY       FY       EY       Cost to       Total       Total       Contract Method       Performing Activity & Total       EY       EY       FY       FY       Cost to       Total       Total       Contract Method       Performing Activity & Total       EY       EY       EY       EY       Cost to       Total       Cost       Contract       Contract Method       Performing Activity & Total       EY       EY       EY       EY       Cost to       Total       Cost       Contract       Cost       Contract       Cost       Contract       Cost       Cost       Award       Cost	I	Exhibit R-3, R	DT&E Project Cost	Analysi	S				DATE	Februa	ry 200	4
(Tailor to WBS, or System/Item         & Type         Location         Prior to FY         2003         2004         2004         2005         2005         Complete         Cost Marce           Requirements)         2003         Cost Award         Cost Awa							S			BER AND TIT		-
Requirements) (S in Millions)       2003       Cost       Award       Cost       Award       Cost       Award       Date       Cost       Mard       Date       Cost       Mard       Date       Cost       Mard       Date       Date <th>U) Cost Categories</th> <th>Contract Metho</th> <th>d Performing Activity &amp;</th> <th><u>Total</u></th> <th><u>FY</u></th> <th><u>FY</u></th> <th><u>FY                                    </u></th> <th><u>FY</u></th> <th><u>FY</u></th> <th>Cost to</th> <th><u>Total</u></th> <th>Target</th>	U) Cost Categories	Contract Metho	d Performing Activity &	<u>Total</u>	<u>FY</u>	<u>FY</u>	<u>FY                                    </u>	<u>FY</u>	<u>FY</u>	Cost to	<u>Total</u>	Target
(\$ in Millions)       Cost       Date       Date       Date         1) Product Development	(Tailor to WBS, or System/Item	<u>&amp; Type</u>	Location	Prior to FY	<u>2003</u>	<u>2003</u>	<u>2004</u> <u>200</u>	<u>4 2005</u>	<u>2005</u>	Complete	<u>Cost</u>	Value of
b) Product Development       Weapon System Trainer (WST)       Various       HAFB, MA       12.088       0.748 Feb-03       0.473 Oct-03       0.330 Oct-04 Continuing       TBD         SATCOM EMD       SS/CPFF       HAFB, MA       94.487       3.367 Dec-02       97.854         ASU       SS/CPAF       HAFB, MA       0.000       8.517 Jan-03       0.050 Nov-03       7.892 Nov-04 Continuing       TBD         GATM       Various       HAFB, MA       10.353       3.350 Apr-03       8.666 Feb-04       42.911 Nov-04 Continuing       TBD         Joint Service Work Station (JSWS)       Various       Various       3.041 In-03       0.094 Jan-03       1.0946 Jan-03       8.100 Jan-04       20.665         Subtotal Product Development       Various       Various       3.041 In-03       8.100 Jan-04       20.665         Subtotal Product Development       119.759       32.534       19.088       54.556       Continuing       TBD         Subtotal Product Development       119.759       32.534       19.088       54.556       Continuing       TBD         Subtotal Support       Various       HAFB, MA       100.500       2.616       3.060       C4.601       Continuing       TBD         Subtotal Support       Various       HAFB, MA <td>Requirements)</td> <td></td> <td></td> <td><u>2003</u></td> <td><u>Cost</u></td> <td><u>Award</u></td> <td>Cost Awar</td> <td><u>l</u> <u>Cost</u></td> <td><u>Award</u></td> <td></td> <td></td> <td>Contrac</td>	Requirements)			<u>2003</u>	<u>Cost</u>	<u>Award</u>	Cost Awar	<u>l</u> <u>Cost</u>	<u>Award</u>			Contrac
Weapon System Trainer (WST)         Various         HAFB, MA         12.088         0.748         Feb-03         0.473         Oct-04         Continuing         TBD           SATCOM EMD         SS/CPFF         HAFB, MA         94.487         3.367         Dec-02         97.854           ASU         SS/CPAF         HAFB, MA         0.000         8.517         Jan-03         0.050         Nov-03         7.892         Nov-04         Continuing         TBD           GATM         Various         HAFB, MA         10.353         3.350         Apc03         8.666         Feb-04         42.911         Nov-04         Continuing         TBD           Joint Service Work Station (JSWS)         Various         Various         2.831         0.946         Jan-03         1.799         Feb-04         3.243         Nov-04         Continuing         TBD           Joint Service Work Station (JSWS)         Various         Various         119.759         32.534         19.088         54.556         Continuing         TBD           Subtotal Product Development         Interstrate and full worked				<u>Cost</u>		Date	Dat	e	Date			
SATCOM EMD       SS/CPFF       HAFB, MA       94.487       3.367 Dec-02       97.854         ASU       SS/CPAF       HAFB, MA       0.000       8.517 Jan-03       0.050 Nov-03       7.892 Nov-04 Continuing       TBD         GATM       Various       HAFB, MA       10.353       3.350 Apr-03       8.666 Feb-04       42.911 Nov-04 Continuing       TBD         Spiral Development       Various       Various       2.831       0.946 Jan-03       1.799 Feb-04       3.423 Nov-04 Continuing       TBD         Joint Service Work Station (JSWS)       Various       Various       3.041       Jun-03       3.041       Jun-03       3.041         ACI Migration (formally ABCCC)       SS/CPAF       HAFB, MA       0.000       12.565       Jun-03       8.100 Jan-04       20.665         Subtotal Product Development       119.759       32.534       19.088       54.556       Continuing       TBD         Subtotal Support       Various       HAFB, MA       100.500       2.616       0.600       4.601       Oct-04       Continuing       TBD         Subtotal Support       Various       HAFB, MA       100.500       2.616       3.060       4.601       Cot-04       Continuing       TBD         Subtotal Support	-											
ASU       SS/CPAF       HAFB, MA       0.000       8.517       Jan-03       0.050       Nov-04       Continuing       TBD         GATM       Various       HAFB, MA       10.353       3.350       Apr-03       8.666       Feb-04       42.911       Nov-04       Continuing       TBD         Spiral Development       Various       Various       Various       2.331       0.946       Jan-03       1.799       Feb-04       3.423       Nov-04       Continuing       TBD         Joint Service Work Station (JSWS)       Various       Various       Various       0.000       12.565       Jun-03       8.100       Jan-04       20.665         Subtotal Product Development       K       SCPAF       HAFB, MA       0.000       12.565       Jun-03       8.100       Jan-04       20.665         Subtotal Product Development       K       Types take place, earliest date funds will be obligated       is noted.       June33       4.601       Oct-04       Continuing       TBD         Subtotal Support       Various       HAFB, MA       00.000       2.616       Oct-02       3.060       0.601       Oct-04       Continuing       TBD       TBD         Subtotal Support       Various       HAFB, MA			HAFB, MA	12.088	0.748	Feb-03	0.473 Oct-0.	0.330	) Oct-04	Continuing	TBD	TBD
GATMVariousHAFB, MA10.3533.350 Apr-038.666 Feb-0442.911 Nov-04 ContinuingTBDSpiral DevelopmentVariousVarious2.8310.946 Jan-031.799 Feb-043.423 Nov-04 ContinuingTBDJoint Service Work Station (JSWS)VariousVarious3.041Jun-033.0413.041ACI Migration (formally ABCCC)SS/CPAFHAFB, MA0.00012.655 Jun-038.100 Jan-0420.665Subtotal Product Development119.75932.53419.08854.556ContinuingTBDRemarks:Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.19.05002.6163.060Oct-034.601Oct-04ContinuingTBDSubtotal SupportVariousHAFB, MA100.5002.6163.060Oct-034.601ContinuingTBDSubtotal SupportVariousHAFB, MA100.5002.6163.060A.601ContinuingTBDSubtotal SupportVariousTypes take place, earliest date funds will be obligated is noted.TBDTBDTBDJTF Range/SupportVariousVarious338.13620.860 Nov-0227.970 Nov-0322.384 Nov-04 ContinuingTBDJTF Range/SupportVariousVarious332.046.093 Nov-027.642 Nov-037.706 Nov-04 ContinuingTBDJTF Range/SupportVariousVarious33.13026.95335.61230.090ContinuingTBDMaragementSubtotal Test & Eva	SATCOM EMD	SS/CPFF	HAFB, MA	94.487	3.367	Dec-02					97.854	TBD
Spiral DevelopmentVariousVarious2.8310.946Jan-031.799Feb-043.423Nov-04ContinuingTBDJoint Service Work Station (JSWS)VariousVarious3.041Jun-033.041Jun-033.041ACI Migration (formally ABCCC)SS/CPAFHAFB, MA0.00012.565Jun-038.100Jan-0420.665Subtotal Product Development119.75932.53419.08854.556ContinuingTBDRemarks:Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.3.0600.0000.0000.0000.000Subtotal SupportVariousHAFB, MA100.5002.6160.0000.0000.0000.000TBDSubtotal SupportVariousHAFB, MA100.5002.6163.0604.601ContinuingTBDSubtotal SupportVariousHAFB, MA100.5002.6163.0604.601ContinuingTBDSubtotal SupportVariousVarious338.13620.860Nov-0227.970Nov-0322.384Nov-04ContinuingTBDJTF Range/SupportVariousVarious33.2046.093Nov-027.642Nov-037.706Nov-04ContinuingTBDJTF Range/SupportVariousVarious33.2046.093Nov-027.642Nov-037.706Nov-04ContinuingTBDJTF Range/SupportVarious371.34026.95335.612 <t< td=""><td>ASU</td><td>SS/CPAF</td><td>HAFB, MA</td><td>0.000</td><td>8.517</td><td>Jan-03</td><td>0.050 Nov-0</td><td>3 7.892</td><td>2 Nov-04</td><td>Continuing</td><td>TBD</td><td>60.161</td></t<>	ASU	SS/CPAF	HAFB, MA	0.000	8.517	Jan-03	0.050 Nov-0	3 7.892	2 Nov-04	Continuing	TBD	60.161
Joint Service Work Station (JSWS)VariousVarious3.041Jun-033.041ACI Migration (formally ABCCC)SS/CPAFHAFB, MA0.00012.565Jun-038.100Jan-0420.665Subtotal Product Development119.75932.53419.08854.556ContinuingTBDRemarks:Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.19.05002.616Oct-023.0600ct-04ContinuingTBDSPO Ops SupportVariousHAFB, MA100.5002.616Oct-023.0600ct-04ContinuingTBDSubtotal SupportVariousHAFB, MA100.5002.616Oct-023.0600ct-04ContinuingTBDSubtotal SupportVariousSS/FFP/CPFFVarious338.13620.860Nov-0227.970Nov-0322.384Nov-04ContinuingTBDTF Range/SupportVariousVarious33.2046.093Nov-027.642Nov-04ContinuingTBDSubtotal Test & Evaluation371.34026.95335.61230.090ContinuingTBDRemarks:Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.Nonagement0.0000.0000.0000.0000.000Nanagement0.0000.0000.0000.0000.0000.0000.0000.0000.0000.000Subtotal Management0.0000.0000.0000.0000.0000	GATM	Various	HAFB, MA	10.353	3.350	Apr-03	8.666 Feb-04	42.911	Nov-04	Continuing	TBD	TBD
ACI Migration (formally ABCCC)       SS/CPAF       HAFB, MA       0.000       12.565       Juno Jan-04       20.665         Subtotal Product Development       119.759       32.534       19.088       54.556       Continuing       TBD         Remarks:       Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.       3.060       Oct-03       4.601       Oct-04       Continuing       TBD         Subtotal Support       Various       HAFB, MA       100.500       2.616       Oct-03       4.601       Oct-04       Continuing       TBD         Subtotal Support       Various       HAFB, MA       100.500       2.616       Oct-03       4.601       Oct-04       Continuing       TBD         Subtotal Support       Various       HAFB, MA       100.500       2.616       Oct-03       4.601       Cot-04       Continuing       TBD         Subtotal Support       Various       Types take place, earliest date funds will be obligated is noted.       3.060       Oct-03       4.601       Oct-04       Continuing       TBD         Test & Evaluation       SS/FP/CPFF       Various       338.136       20.860       7.642       Nov-03       7.706       Nov-04       Continuing       TBD         Subtotal	Spiral Development	Various	Various	2.831	0.946	Jan-03	1.799 Feb-04	3.423	8 Nov-04	Continuing	TBD	TBD
Subtotal Product Development119.75932.53419.08854.556ContinuingTBDRemarks: Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.3.060Oct-034.601Oct-04ContinuingTBDSPO Ops SupportVariousHAFB, MA100.5002.6163.0604.601ContinuingTBDSubtotal Support100.5002.6163.0604.601ContinuingTBDRemarks: Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.TBDTest & Evaluation54.556SS/FFP/CPFFVarious338.13620.860 Nov-0227.970 Nov-0322.384 Nov-04ContinuingTBDJTF Range/SupportVariousVarious332.046.093 Nov-027.642 Nov-037.706 Nov-04ContinuingTBDSubtotal Test & Evaluation371.34026.95335.61230.090ContinuingTBDSubtotal Test & Evaluation371.34026.95335.61230.090ContinuingTBDManagement0.0000.0000.0000.0000.0000.0000.000Subtotal Management0.0000.0000.0000.0000.0000.0000.000	Joint Service Work Station (JSWS)	Various	Various		3.041	Jun-03					3.041	TBD
Remarks:       Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.         J       Support         SPO Ops Support       Various       HAFB, MA       100.500       2.616       0.060       0.601       Continuing       TBD         Subtotal Support       100.500       2.616       3.060       4.601       Continuing       TBD         Remarks:       Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.       TBD         J       Test & Evaluation       E-8C JSTARS Ext. Test Spt (JETS)       SS/FFP/CPFF       Various       338.136       20.860 Nov-02       27.970 Nov-03       22.384 Nov-04 Continuing       TBD         JTF Range/Support       Various       Various       332.04       6.093 Nov-02       7.642 Nov-03       7.706 Nov-04 Continuing       TBD         Subtotal Test & Evaluation       371.340       26.953       35.612       30.090       Continuing       TBD         Remarks:       Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.       J       Management       0.000       0.000       0.000       0.000       0.000       0.000         Subtotal Management       0.000       0.000       0.000       0.000       0.000       0.000	ACI Migration (formally ABCCC)	SS/CPAF	HAFB, MA	0.000	12.565	Jun-03	8.100 Jan-04				20.665	TBD
J) Support       SPO Ops Support       Various       HAFB, MA       100.500       2.616       Oct-03       4.601       Oct-04       Continuing       TBD         Subtotal Support       100.500       2.616       3.060       4.601       Continuing       TBD         Remarks:       Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.       J       TBD         J) Test & Evaluation       E-8C JSTARS Ext. Test Spt (JETS)       SS/FFP/CPFF       Various       338.136       20.860 Nov-02       27.970 Nov-03       22.384 Nov-04 Continuing       TBD         JTF Range/Support       Various       Various       332.04       6.093 Nov-02       7.642 Nov-03       7.706 Nov-04 Continuing       TBD         Subtotal Test & Evaluation       371.340       26.953       35.612       30.090       Continuing       TBD         Remarks:       Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.       J       Management       0.000       0.000       0.000       0.000       0.000       0.000         Subtotal Management       0.000       0.000       0.000       0.000       0.000       0.000       0.000	Subtotal Product Development			119.759	32.534		19.088	54.556	5	Continuing	TBD	TBD
SPO Ops SupportVariousHAFB, MA100.5002.616Oct-023.060Oct-04ContinuingTBDSubtotal Support100.5002.6163.0604.601ContinuingTBDRemarks:Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.Test & EvaluationTBDImage: SupportSS/FFP/CPFFVarious338.13620.860Nov-0227.970Nov-0322.384Nov-04ContinuingTBDJTF Range/SupportVariousVarious332.046.093Nov-027.642Nov-037.706Nov-04ContinuingTBDSubtotal Test & EvaluationVarious371.34026.95335.61230.090ContinuingTBDRemarks:Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.Image: Nove of the table of the table of	Remarks: Where Various Contract Me	ethod & Types take	place, earliest date funds v	vill be oblig	ated is no	oted.						
Subtoal Support100.5002.6163.0604.601ContinuingTBDRemarks:Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.Image: Contract Method & Types take place, earliest date funds will be obligated is noted.Image: Contract Method & Types take place, earliest date funds will be obligated is noted.Image: Contract Method & Types take place, earliest date funds will be obligated is noted.J Test & EvaluationSS/FFP/CPFFVarious338.13620.860 Nov-0227.970 Nov-0322.384 Nov-04 ContinuingTBDJTF Range/SupportVariousVarious33.2046.093 Nov-027.642 Nov-037.706 Nov-04 ContinuingTBDSubtotal Test & Evaluation371.34026.95335.61230.090ContinuingTBDRemarks:Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.Image: Contract Method & Types take place, earliest date funds will be obligated is noted.Image: Contract Method & Types take place, earliest date funds will be obligated is noted.Image: Contract Method & Types take place, earliest date funds will be obligated is noted.Image: Contract Method & Types take place, earliest date funds will be obligated is noted.Image: Contract Method & Contract Method & Types take place, earliest date funds will be obligated is noted.Image: Contract Method & Contract Met	J) <u>Support</u>											
Image: Provide the section of the sectin of the sectin of the section of the section of the sec	SPO Ops Support	Various	HAFB, MA	100.500	2.616	Oct-02	3.060 Oct-0.	4.601	Oct-04	Continuing	TBD	TBD
J) Test & Evaluation       E-8C JSTARS Ext. Test Spt (JETS)       SS/FFP/CPFF       Various       338.136       20.860 Nov-02       27.970 Nov-03       22.384 Nov-04 Continuing       TBD         JTF Range/Support       Various       Various       33.204       6.093 Nov-02       7.642 Nov-03       7.706 Nov-04 Continuing       TBD         Subtotal Test & Evaluation       371.340       26.953       35.612       30.090       Continuing       TBD         Remarks:       Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.       0.000       0.000       0.000       0.000       0.000       0.000         Subtotal Management       0.000       0.000       0.000       0.000       0.000       0.000       0.000	Subtotal Support			100.500	2.616		3.060	4.601		Continuing	TBD	TBD
E-8C JSTARS Ext. Test Spt (JETS)       SS/FFP/CPFF       Various       338.136       20.860 Nov-02       27.970 Nov-03       22.384 Nov-04 Continuing       TBD         JTF Range/Support       Various       Various       33.204       6.093 Nov-02       7.642 Nov-03       7.706 Nov-04 Continuing       TBD         Subtotal Test & Evaluation       371.340       26.953       35.612       30.090       Continuing       TBD         Remarks:       Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.       0.000       0.000       0.000       0.000       0.000       0.000       0.000         Subtotal Management       0.000       0.000       0.000       0.000       0.000       0.000       0.000       0.000	Remarks: Where Various Contract Me	ethod & Types take	place, earliest date funds v	vill be oblig	ated is no	oted.						
JTF Range/SupportVariousVarious33.2046.093 Nov-027.642 Nov-037.706 Nov-04 ContinuingTBDSubtotal Test & Evaluation371.34026.95335.61230.090ContinuingTBDRemarks:Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.J0.0000.0000.0000.000Management0.0000.0000.0000.0000.0000.0000.0000.000Subtotal Management0.0000.0000.0000.0000.0000.0000.000	D Test & Evaluation											
Subtotal Test & Evaluation       371.340       26.953       35.612       30.090       Continuing       TBD         Remarks:       Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.       J       Management       0.000         Subtotal Management       0.000       0.000       0.000       0.000       0.000       0.000         Subtotal Management       0.000       0.000       0.000       0.000       0.000       0.000	E-8C JSTARS Ext. Test Spt (JETS)	SS/FFP/CPFF	Various	338.136	20.860	Nov-02	27.970 Nov-0	3 22.384	Nov-04	Continuing	TBD	TBD
Remarks: Where Various Contract Method & Types take place, earliest date funds will be obligated is noted.       0.000         Management       0.000       0.000       0.000       0.000         Subtotal Management       0.000       0.000       0.000       0.000       0.000         Remarks:       0.000       0.000       0.000       0.000       0.000       0.000	JTF Range/Support	Various	Various	33.204	6.093	Nov-02	7.642 Nov-0	3 7.706	5 Nov-04	Continuing	TBD	TBD
J) Management         0.000           Subtotal Management         0.000         0.00	Subtotal Test & Evaluation			371.340	26.953		35.612	30.090	)	Continuing	TBD	TBD
Subtotal Management         0.000 <td>Remarks: Where Various Contract Me</td> <td>ethod &amp; Types take</td> <td>place, earliest date funds v</td> <td>vill be oblig</td> <td>ated is no</td> <td>oted.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Remarks: Where Various Contract Me	ethod & Types take	place, earliest date funds v	vill be oblig	ated is no	oted.						
Subtotal Management         0.000 <td>J) <u>Management</u></td> <td>•••</td> <td>•</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	J) <u>Management</u>	•••	•	-								
Remarks:											0.000	
Remarks:	Subtotal Management			0.000	0.000		0.000	0.000	)	0.000	0.000	0.000
J) Total Cost       591.599 62.103       57.760       89.247       Continuing TBD	-											
	J) Total Cost			591.599	62.103		57.760	89.247	,	Continuing	TBD	TBD
										C		
Project 0003 R-1 Shopping List - Item No. 152-6 of 152-8 Exhibit R-3 (PE 02075	Project 0003		R-1 Shopping List - I	tem No. 152-	6 of 152-8					Exhibit R	-3 (PE 02	07581F

	Exh	ibit R-4, RI	DT&E Sch	edule Prof	ile			DATE February 200
ET ACTIVITY perational System Development					NUMBER AND T		PROJECT NUMBER AND TITLE 0003 JSTARS	
					Join	t ST.	ARS	Schedule
	FY03	FY04	FY05	FY06	FY07	FY08	FY09	
KEY: R&D: Development, Demo Phase	15	16	17					
APAF: E-8C delivery			///.cs/	ACI				
Installation Phase		ATTAC	K SUPPORT	UPGRADE (V.1)		(V.2)		
ACRONYMS: ACI: ABCCC Capability Integration (formerly ABCCC)			GATM				//////	
CSACI: Combined SATCO III - ABCCC Capability Insertion (herger of tomer ABCCC and DAMA SATCO III)				SYSTEM TE	ST	JTRS INT	EGRATION	
CRP: Computer Reptacement Program	1	Î		AL DEVELO			Ť	
GATM: Global Ali Tramic Mgt JTRS: JointTactical Radio			KILL CH	AIN ENHAN	CEMENT		//////	2
Sjøtem MTD: Malute valuce Training Deulce Upgrade	CR I	P.////	RMAA	MODIFICAT	IONS			
RM&A: Reliability, Maintain ability & Auailability					797////	//////		4

Exhibit R-4a, RDT&E Sc	hedule Detail	DATE Febru	DATE February 2004		
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207581F JOINT STARS	PROJECT NUMBER AND T 0003 JSTARS	ITLE		
(U) <u>Schedule Profile</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>		
(U) Support & Training Sys. EMD Complete	1Q				
(U) SATCOM Development Complete	2Q				
(U) ASU Contract Award	2Q				
(U) Flight Crew Training System (FCTS) Delivered	2Q				
(U) ACI Contract Award (formally ABCCC)	3Q				
(U) Weapon System Trainer Delivered (WST)		2Q			
(U) GATM RFP Release		2Q			
(U) ACI Development Complete (formally ABCCC)		4Q			
(U) ASU Air Control/Theater Missile Defense capability delivered			2Q		

Exhibit R-4a (PE 0207581F)