PE NUMBER: 0603260F

PE TITLE: Intelligence Advanced Development

	RDT&E BUDGET ITEM	I JUSTI	FICATI	ON SF	EET (R	-2 Exhi	bit)		DATE	DATE February 2003			
PE NUMBER AND TITLE  04 - Advanced Component Development and Prototypes  (ACD&P)  PE NUMBER AND TITLE  0603260F Intelligence Advanced Development													
	COST (\$ in Thousands)	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost				
	Total Program Element (PE) Cost	5,117	4,422	4,513	4,624	4,668	4,750	4,814	4,885	Continuing	TBD		
3479	Advanced Sensor Exploitation	749	803	814	832	840	855	871	890	Continuing	TBD		
3480	Automated Imagery Exploitation	1,271	1,297	1,308	1,339	1,352	1,375	1,391	1,408	Continuing	TBD		
3481	Knowledge Based Tech For Intelligence	1,314	1,290	1,331	1,365	1,378	1,402	1,418	1,435	Continuing	TBD		
3482	Science & Tech Intelligence Methodology	1,783	1,032	1,060	1,088	1,098	1,118	1,134	1,152	Continuing	TBD		
	Quantity of RDT&E Articles	0	0	(	0	0	0	0	0	0	0		

### (U) A. Mission Description

(U) Intelligence Advanced Development (IAD) demonstrates and validates advanced technology required to support warfighter needs for timely all source intelligence information. IAD research supports global awareness, consistent battlespace knowledge, precision information, and the execution of time critical missions. IAD projects provide better on-time information to the warfighter using new and existing data sources, streamline data analysis, reduce footprint required, extend life of sensors in place and enhance performance. Air Force Research Lab Rome Research Site (AFRL/IFE) works directly with users, employing a rapid prototyping evolutionary approach, integrating finished modules directly into the field. The programs are oriented toward specific shortfalls and deficiencies as documented by the major commands (MAJCOMS), unified commands, and intelligence organizations in their mission and function area plans. The goal of this program is to expedite technology transition from the laboratory to operational use via rapid prototyping. This AF program is focused on technology insertion to correct AF intelligence deficiencies at tactical or operational levels. This program bridges the transition of Advance Technology Demonstrations (ATDs), Integrated Technology Thrust Programs (ITTPs), and supports Defense Technology Objectives (DTOs).

### (U) <u>B. Budget Activity Justification</u>

This program is in Advanced Component Development & Prototypes (ACD&P), Budget Activity 4, because it demonstrates and validates advanced technology which enhances information / intelligence systems' capabilities and techniques.

Page 1 of 21 Pages

Exhibit R-2 (PE 0603260F)

	RDT&E BUDGET ITEM JUSTIFICATION	N SHEET (R-2 Exhib	oit)	DATE <b>Febru</b> a	ary 2003
04	GET ACTIVITY - Advanced Component Development and Prototypes CD&P)	PE NUMBER AND TITLE  0603260F Intelligen	ice Advanced	Development	
<b>(U)</b>	C. Program Change Summary (\$ in Thousands)				
(U) (U) (U) (U)	Previous President's Budget Appropriated Value Adjustments to Appropriated Value a. Congressional/General Reductions b. Small Business Innovative Research c. Omnibus or Other Above Threshold Reprogram d. Below Threshold Reprogram e. Rescissions Adjustments to Budget Years Since FY 2003 PBR Current Budget Submit/FY 2004 PBR	FY 2002 4,438 4,482 -44 702 -23	FY 2003 4,545 4,545 -30 -45 -48 4,422	FY 2004 4,623 -110 4,513	<u>Total Cost</u> TBD TBD
(U)	Significant Program Changes:				
	Pag	ge 2 of 21 Pages		Exhibit R-2	(PE 0603260F)

				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	J.:								
	RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)  February 2003												
04 -	PE NUMBER AND TITLE  O4 - Advanced Component Development and Prototypes  (ACD&P)  PE NUMBER AND TITLE  0603260F Intelligence Advanced Development  3479  EY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 Cost to Total Cost												
	COST (\$ in Thousands)  FY 2002 Actual  FY 2003 Estimate  FY 2004 Estimate  FY 2005 Estimate  FY 2006 Estimate  FY 2007 Estimate  FY 2008 FY 2008 Estimate  FY 2009 Cost to Complete  Total Cost												
3479	179 Advanced Sensor Exploitation 749 803 814 832 840 855 871 890 Continuing TBD												
(U)	A. Mission Description  The project objectives are to develop, demonstrate techniques for the receipt, correlation, templating allowing for the greatest efficiency in terms of in of intelligence information (Communications Intwith current manual methods. Project includes debattle updates and tactical analysis techniques. Tincluding COMINT, ELINT, and IMINT; provided	and analys tegrating or elligence - ( evelopment This comput	is of battlef interfacing COMINT, It of data con erized appro	ield inform with other Electronic In relation and oach will sp	ation. Capa systems. T ntelligence d predictive peed up the	abilities wil There is an A - ELINT, Ir intelligence correlation	l be develop Air Force, C mage Intelli e algorithm of data fror	ped in an op DoD and Co gence - IMD s, target and n diverse so	oen systems alition need INT) within alysis and pources of in	architecture to correlate seconds as prioritization telligence in	e environment e various source opposed to hou , air order of aformation,		
(U) (U) (U)	FY 2002 (\$ in Thousands)  \$0 Accomplishment/Planned \$278 Completed Time Sensitive	-	minations (	TSTN)									

(U) \$278 Completed Time Sensitive Target Nominations (TSTN)
 (U) \$327 Continued Enhanced Intel Prep of the Battlespace (EIPB)

(U) \$144 Continued Moving Target Exploitation (MTE) Tracking Enhancements

(U) \$749 Total

### (U) FY 2003 (\$ in Thousands)

(U) \$146 Initiate Predictive Battlespace Awareness (PBA) Fusion 2+
 (U) \$95 Complete Enhanced Intel Prep of the Battlespace (EIPB)

(U) \$346 Complete Moving Target Exploitation (MTE) Tracking Enhancements

(U) \$216 Initiate Advanced Fusion Workstation (AFWS)

(U) \$803 Total

Project 3479 Page 3 of 21 Pages Exhibit R-2A (PE 0603260F)

RDT&E BUDGET ITEM JUSTIFICATION	SHEET (R-2A Exhibit) February 2003
BUDGET ACTIVITY 04 - Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE  0603260F Intelligence Advanced Development  3479
(U) A. Mission Description Continued  (U) FY 2004 (\$ in Thousands)  (U) \$0 Accomplishment/Planned Program  (U) \$423 Complete Advanced Fusion Workstation (AFWS)  (U) \$391 Continue Predictive Battlespace Awareness (PBA) Fu  (U) \$814 Total  (U) B. Project Change Summary  Not Applicable  (U) C. Other Program Funding Summary (\$ in Thousands)  FY 2002 FY 2003 FY 2004 FY 2004  Actual Estimate Estimate Estimate  (U) AF RDT&E  (U) Other APPN  None	005 FY 2006 FY 2007 FY 2008 FY 2009 Cost to Total of
(U) <u>D. Acquisition Strategy</u> All major contracts within this Program Element were awarded after full and	open competition.
(U) E. Schedule Profile  (U) Completed Time Sensitive Target Nominations (TSTN)  (U) Complete Enhanced Intel Prep of the Battlespace (EIPB)  (U) Complete Moving Target Exploitation (MTE) Tracking Enhancements  (U) Initiate/Complete Advanced Fusion Work Station (AFWS)  (U) Initiate Predictive Battlespace Awareness (PBA) Fusion 2+  * - Denotes completed event  X - Denotes planned event	FY 2002 2 3 4 1 2 3 4 1 2 3 4 *  X  X  X  X
Project 3479 Page	e 4 of 21 Pages Exhibit R-2A (PE 0603260F

	RDT&E PRO	GRAM ELI	EMENT/P	ROJECT C	OST BI	REAKDO	WN (R-3)		DATE <b>F</b>	ebruary 2	003
04	GET ACTIVITY - Advanced Compor CD&P)	nent Develop	ment and l	Prototypes		SER AND TITLE 60F Intellig	jence Adv	anced De			PROJECT <b>3479</b>
(U) (U) (U) (U)	A. Project Cost Breakdo  Time Sensitive Target Nor Enhanced Intel Prep of the Moving Target Exploitation	minations (TSTN) e Battlespace (EIP	В)	ts				2002 278 327 144		0 <u>03</u> 0 95 46	<u>FY 2004</u> 0 0 0
(U) (U) (U)	Predictive Battlespace Aw Advanced Fusion WorkSta Total	vareness (PBA) Fu ation (AFWS)	sion 2+					0 0 749	14	46 16	423 391 814
(U) (U)	B. Budget Acquisition His  Performing Organization Contractor or Government Performing Activity Product Development Organization PRC (00-D-0012) Zel-Tech (01-C-0048) Northrop-Grumman (99-C-0067) TBD TBD TBD Support and Management N/A Test and Evaluation Organization	Contract Method/Type or Funding Vehicle anizations CPFF CPFF TBD TBD TBD Organizations		Performing Activity EAC  N/A N/A N/A N/A N/A	Project Office EAC 698 1,215 593 2,404 607	Total Prior to FY 2002 420 793 103 0 0	Budget FY 2002 278 327 144 0 0	Budget FY 2003 0 95 346 146 216	Budget FY 2004 0 0 0 423 391	Budget to Complete  0 0 0 Continuing 0	Total Program 698 1,215 593 TBD 607
F	N/A Project 3479	<u>iizations</u>		Page	e 5 of 21 Pa	iges			Exhil	oit R-3 (PE 0	603260F)

	GRAM ELE	MENT/F	PROJECT C	OST BREAKDO	WN (R-3)		DATE <b>February 2003</b>			
JDGET ACTIVITY 4 - Advanced Compon ACD&P)	ent Develop	ment and	Prototypes	PE NUMBER AND TITLE 0603260F Intellig	gence Adv	vanced De			<b>3479</b>	
J) Government Furnished P  Item Description Product Development Prop N/A Support and Management F	Contract Method/Type or Funding Vehicle erty	Award or Obligation Date	<u>Delivery</u> <u>Date</u>	Total Prior to FY 2002	Budget FY 2002	Budget FY 2003	Budget FY 2004	Budget to Complete	<u>To</u> <u>Progr</u>	
Test and Evaluation Proper  Subtotals Subtotal Product Developm Subtotal Support and Mana	nent ngement			<u>Total Prior</u> to FY 2002 1,316	Budget FY 2002 749	Budget FY 2003 803	Budget FY 2004 814	Budget to Complete TBD	<u>To</u> <u>Progr</u> TE	
Subtotal Test and Evaluation Total Project	on			1,316	749	803	814	TBD	TI	
Project 3479			Doo	ge 6 of 21 Pages			Evhih	it R-3 (PE 06	U33EUE	

	RDT&	E BUDGET ITEM	JUSTIF	FICATIO				ibit)		DATE	February 2003		
04 -	BET ACTIVITY  Advanced Con  D&P)	nponent Developme	nt and P	rototype	-	10MBER ANI 13260 <b>F</b>		nce Adv	anced D	evelopn	nent	PROJECT 3480	
	COST (\$ in	Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost	
3480	Automated Imagery	y Exploitation	1,271	1,297	1,308	1,339	1,352	1,375	1,391	1,408	Continuing	ТВІ	
(U)	manipulate and over locations and identif	tion trates and validates the capal lay imagery, cartographic da ications, precise target refere able computer workstations.	ta, signal ir	ntelligence (	SIGINT), a	and on-line	ntelligence	data. The	result of thi	s effort will	be more pre	•	
U)	FY 2002 (\$ in Thous	sands)											
U)	\$0	Accomplishment/Planned											
(U)	\$191	Continued NATO Second			bility								
(U)	\$243	Continued eXploitation To											
U)	\$239	Completed Smart Digital	~ .										
(U)	\$179	Completed Multi Sensor I			cations for	GCCS							
(U)	\$419	Completed Hyper-Spectra	I Image Ex	ploitation									
U)	\$1,271	Total											
U)	FY 2003 (\$ in Thous												
(U)	\$0	Accomplishment/Planned											
(U)	\$202	Complete NATO Seconda		-	oility								
(U)	\$298	Complete eXploitation To			(								
(U)	\$198	Initiate Metadata Archival		al System (I	MARS) Geo	ospacial Inte	el Tools						
(U)	\$175 \$148	Initiate Hypershop/Imager	•										
(U) (U)	\$148 \$276	Initiate Video Annotation/ Initiate Imagery Assurance	0.										
(U) (U)	\$1,297	Total	o and Expid	nauoli									
, - ,	4- <b>3-</b>	2.500											
Р	roject 3480				Page 7 of 2	21 Pages				Exh	ibit R-2A (P	E 0603260F)	

	RDT&E BUDGET ITEM JUSTIFICATION	SHEET (R-2A Exhibit) February 2003
04	GET ACTIVITY - Advanced Component Development and Prototypes CD&P)	PE NUMBER AND TITLE  0603260F Intelligence Advanced Development  3480
(U)	A. Mission Description Continued	
(U) (U) (U) (U) (U) (U) (U) (U)	FY 2004 (\$ in Thousands)  \$0 Accomplishment/Planned Program  \$344 Complete Metadata Archive & Retrieval System (M \$194 Complete Hypershop/Imagery Viewer  \$194 Continue Video Annotation/ Imagery Viewer  \$144 Continue Imagery Assurance and Exploitation  \$432 Initiate UAV Motion Imagery Exploitation (MIE)  \$1,308 Total	ARS) Geospacial Intel Tools
( <b>U</b> )	B. Project Change Summary Not Applicable	
(U) (U) (U)		2005 FY 2006 FY 2007 FY 2008 FY 2009 Cost to Total Compate Estimate Estimate Estimate Complete
(U)	D. Acquisition Strategy All major contracts within this Program Element were awarded after full ar	d open competition.
(U)	E. Schedule Profile	<u>FY 2002</u> <u>FY 2003</u> <u>FY 2004</u> 2 3 4 1 2 3 4 1 2 3 4
(U) (U) (U) (U) (U)	Completed Multi-Sensor Intel Exploitation Applications for GCCS Completed Hyper Spectral Image Exploitation (HIET) Completed Smart Digital Imagery & Video Exploitation Tools Initiate/Complete (MARS) Geospacial Intel Initiate/Complete Hypershop/Imagery Viewer	2 3 4 1 2 3 4 1 2 3 4 *  *  X  X  X
F	Project 3480 Pag	ge 8 of 21 Pages Exhibit R-2A (PE 0603260F)

RDT&E BUDGET ITEM JUSTIFICATION	I SHEET (R-2A Exhibit)	DATE February 2003
BUDGET ACTIVITY 04 - Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE  0603260F Intelligence Advanced I	PROJECT
(U) E. Schedule Profile Continued  (U) Initiate Video Annotation/Imagery Viewer (U) Initiate Imagery Assurance & Exploitation (U) Complete eXploitation Tools for Video (XTV) (U) Complete NATO Secondary Imagery Interoperability (II) Initiate UAV Motion Imagery Exploitation (MIE)  * - Denotes completed event X - Denotes planned event	FY 2002 2 3 4 1 2 3 X X	FY 2004 4 1 2 3 4  X X X
Project 3480 Pag	ge 9 of 21 Pages	Exhibit R-2A (PE 0603260F)

RDT&E PROG	RAM ELE	MENT/P	ROJECT C	OST BI	REAKDO	WN (R-3)		DATE <b>F</b> e	ebruary 20	03
BUDGET ACTIVITY 04 - Advanced Compone (ACD&P)	nt Developi	ment and I	Prototypes		ER AND TITLE 60F Intellio	gence Adv	evelopment		PROJECT 3480	
(U) A. Project Cost Breakdown	ı (\$ in Thousan	<u>ds</u> )								
							2002	FY 200		FY 2004
(U) Multi Sensor Intel Exploitation		CS					179		0	0
(U) NATO Second Imagery Inter							191	20		0
(U) eXploitation Tools for Video	)						243	29		0
(U) Smart Digital Imagery							239		0	0
(U) Hyper-Spectral Image Explo	,						419		0	0
(U) Metadata Archive & Retrieva	•	RS) Geospacia	I Intelligence Tool	S			0	19		344
(U) Hypershop/Imagery Viewer							0	17	_	194
(U) Video Annotation/Imagery V							0	148		194
(U) Imagery Assurance & Exploi							0	27		144
(U) UAV Motion Imagery Explo	itation (MIE)					1	0		0	432
(U) Total						1,	271	1,29	17	1,308
(U) <u>B. Budget Acquisition Histo</u>	ory and Plannir	<u>ig Informatio</u>	n (\$ in Thousand	<u>s)</u>						
(U) Performing Organizations:										
Contractor or	Contract									
Government	Method/Type	Award or	<b>Performing</b>	<b>Project</b>						
<u>Performing</u>	or Funding	<b>Obligation</b>	Activity	<u>Office</u>	<b>Total Prior</b>	<b>Budget</b>	<b>Budget</b>	<b>Budget</b>	Budget to	<u>Total</u>
<u>Activity</u>	<u>Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>	to FY 2002	FY 2002	FY 2003	FY 2004	Complete	<b>Program</b>
Product Development Organi	zations									
PAR, Inc. (01-C-0073)	CPFF	6 Apr 01	N/A	443	50	191	202	0	0	443
PRC (97-C-0030)	CPFF	1 Jun 01	N/A	616	75	243	298	0	0	616
Research Foundation, U. of	Grant	8 Nov 00	N/A	442	203	239	0	0	0	442
Binghamton (00-1-0521)										
PAR, Inc. (98-C-0166)	CPFF	11 May 98	N/A	567	388	179	0	0	0	567
PAR, Inc. (00-C-0046)	CPFF	1 Nov 00	N/A	920	501	419	0	0	0	920
TBD				542	0	0	198	344	0	542
TBD				369	0	0	175	194	0	369
Project 3480			Page	10 of 21 Pa	ages			Exhib	it R-3 (PE 06	603260F)

RDT&E PROGRAM ELEMENT/PROJECT (	COST B	REAKDO	WN (R-3)		DATE <b>F</b>	ebruary 2	003
BUDGET ACTIVITY 04 - Advanced Component Development and Prototypes (ACD&P)		BER AND TITLE 60F Intelliç	gence Adv	anced De	ced Development		
(U) Performing Organizations Continued:  Product Development Organizations  TBD  TBD  TBD  Support and Management Organizations  N/A  Test and Evaluation Organizations  N/A	442 620 1,032	0 0 0	0 0 0	148 276 0	194 144 432	Continuing Continuing Continuing	TBD TBD TBD
(U) Government Furnished Property:  Contract Method/Type Award or Item or Funding Obligation Delivery Description Vehicle Date Date Product Development Property N/A Support and Management Property N/A Test and Evaluation Property		Total Prior to FY 2002	Budget FY 2002	Budget FY 2003	Budget FY 2004	Budget to Complete	<u>Total</u> <u>Program</u>
N/A  Subtotals Subtotal Product Development Subtotal Support and Management Subtotal Test and Evaluation Total Project		Total Prior to FY 2002 1,217	Budget FY 2002 1,271	Budget FY 2003 1,297	Budget FY 2004 1,308	Budget to Complete TBD	Total Program TBD
Project 3480 Pag	ge 11 of 21 P	ages			Exhil	oit R-3 (PE (	0603260F)

RDT&E BUDGET ITEM	DATE	February 2003								
BUDGET ACTIVITY 04 - Advanced Component Development (ACD&P)		NUMBER ANI 603260F I		evelopm	elopment 348					
COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	1	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
3481 Knowledge Based Tech For Intelligence	1,314	1,290	1,33	1 1,365	1,378	1,402	1,418	1,435	Continuing	TBD

### (U) A. Mission Description

This project will improve Global Awareness, Dynamic Planning and Execution, providing knowledge bases and inference engines to exploit collected data for nine major commands on AF intelligence organizations. The development of the analytical aids is based on artificial intelligence techniques. The increased timeliness, efficiency and effectiveness derived will provide warning time and accuracy, allowing national/military authorities a greater range of options to avert, diminish or control a crisis. This program is in Advanced Component Development & Prototypes (ACD&P), Budget Activity 4, because it demonstrates and validates advanced technology which enhances information/intelligence systems' capabilities and techniques.

#### (U) FY 2002 (\$ in Thousands)

(U) \$0 Accomplishment/Planned Program

(U) \$504 Continued Trusted Transfer Agent (TTA) -- Completed Phase 1, Reach Down; Initiated Phase 2, Reach Up

(U) \$555 Continued Broadsword Enhancements

(U) \$255 Initiated WebTAS (Timeline Analysis System) Transition into CAOC-X

(U) \$1.314 Total

#### (U) FY 2003 (\$ in Thousands)

(U) \$0 Accomplishment/Planned Program

(U) \$288 Initiate Web-based Messaging Agent (WMA)

(U) \$363 Continue Trusted Transfer Agent (TTA) -- Continue Phase 2, Reach Up; Initiate Phase 3, Star Guard

(U) \$502 Complete Broadsword Enhancements

(U) \$137 Complete WebTAS Transition into CAOC-X

(U) \$1,290 Total

Project 3481 Page 12 of 21 Pages Exhibit R-2A (PE 0603260F)

	RDT&E	BUDGET IT	EM JUS	TIFICAT	ION SH	EET (R-	2A Exhi	bit)		DATE <b>Fe</b>	bruary 2	003
	et activity Advanced Comp D&P)	ponent Develop	oment and	d Prototy <sub>l</sub>		NUMBER AN <b>603260F</b>		ice Advan	ced Dev	/elopmen		PROJECT <b>3481</b>
(U)	A. Mission Description	on Continued										
(U) (U) (U) (U) (U)	FY 2004 (\$ in Thousa \$0 \$305 \$342 \$342 \$342 \$1,331	nds) Accomplishment/Pla Continue Trusted Tr Continue Web-based Continue TTA Ph Initiate Information Total	ransfer Agent d Messaging ase 3, Star G	(TTA) Con Agent (WMA uard	A)							
	B. Project Change Su Not Applicable	immary										
(U) A	C. Other Program Fu AF RDT&E Other APPN None	inding Summary (\$ FY 2002 Actual	in Thousand FY 2003 Estimate	ls) FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	<del>-</del>	st to plete	Total Cost
	D. Acquisition Strates All major contracts wi		ement were a	warded after	full and ope	n competitio	n.					
(U) (U) I (U) I (U) (U) (U) (U) I	E. Schedule Profile  Completed Trusted Tra Initiated/Complete TTA Initiated/Complete We Complete Broadsword Initiate Web-Based Me Initiate TTA/Phase 3, 5	A/Phase 2, Reach Up bTAS Transition into Enhancements essaging Agent (WM	o CAOC-X	ch Down	•	FY 2002 2 3	4 * *	1 2 X	Ü	4 1 X X	FY 200 2	4 3 4 X
Pro	oject 3481				Page 13 o	of 21 Pages				Exhibit l	R-2A (PE 0	603260F)

RI	DT&E BUDGET ITEM JUSTIFIC	CATION	SHEE	T (R-	2A Ex	hibit	)	<u> </u>	DAT	Feb	ruary	2003	
BUDGET ACTIVITY  04 - Advanced  (ACD&P)	Component Development and Pro	totypes	ypes 0603260F Intelligence Advance					ced D	•			PROJECT <b>3481</b>	
(U) E. Schedule P	ation Operations Tool Access (IOTA) mpleted event	1	FY 2	2 <u>002</u> 3	4	1	FY 2 2	<u>003</u> 3	4	1 X	FY 2	2 <u>004</u> 3	4
Project 3481		Раба	e 14 of 21	Pages					F	Exhibit R	-2A (PI	F 06032	'60F)

	RDT&E PROG	RAM ELE	MENT/P	ROJECT C	OST BI	REAKDO	WN (R-3)	)	DATE <b>F</b> (	ebruary 20	003
04 -	GET ACTIVITY  Advanced Compone  D&P)	nt Developi	ment and	Prototypes		ER AND TITLE 60F Intelliç	gence Adv	anced De		ا	PROJECT <b>3481</b>
(U) (U)	A. Project Cost Breakdown  Broadsword Enhancements	ı (\$ in Thousand	ds)					2002 508	<u>FY 20</u> 31		<u>FY 2004</u> 0
(U)	Trusted Transfer Agent (TTA 3, Star Guard	A): Phase 1, Rea	ach Down; Ph	ase 2, Reach Up; a	nd initiatio	n of Phase		453	37		305
(U) (U)	Web-Based Messaging Agen							353 0	32 28		0 342
(U) (U) (U)	Continuation of TTA: Phase Information Operations Tool Total						1	0 0 ,314	1,29	0 0 90	342 342 1,331
(U)	B. Budget Acquisition History	ory and Plannin	ng Informatio	on (\$ in Thousand:	<u>s)</u>						·
(U)	Performing Organizations: Contractor or Government Performing Activity	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Performing Activity EAC	Project Office EAC	Total Prior to FY 2002	Budget FY 2002	Budget FY 2003	Budget FY 2004	Budget to Complete	<u>Total</u>
	Product Development Organi		Date	EAC	EAC	<u>10 F I 2002</u>	<u>F1 2002</u>	<u>F1 2005</u>	<u>F1 2004</u>	Complete	<u>Program</u>
	Synectics Corp (00-C-0073) Sterling Software (98-D-0013)	CPFF CPFF	3 Nov 00 27 Jan 00	N/A N/A	1,102 1,328	300 200	508 453	312 370	0 305	0	1,120 1,328
	Northrup Grumman (01-C-008)	CPFF	1 Feb 02	N/A	673	0	353	320	0	0	673
	TBD TBD TBD	TBD TBD TBD	TBD TBD TBD	N/A N/A N/A	1,230 792 717	0 0 0	0 0 0	288 0 0	342 342 342	Continuing Continuing Continuing	TBD TBD TBD
	Support and Management Or N/A		יטטו	IVA	/1/	Ū	v	v	J#2	Continuing	עטו
Р	roject 3481			Page	15 of 21 Pa	ages			Exhib	oit R-3 (PE 06	603260F)

	RDT&E PROGRAM ELEMENT/PROJE	СТ С		WN (R-3)		DATE <b>F</b> e	003	
04 -	GET ACTIVITY  • Advanced Component Development and Prototy  • D&P)	PE NUMBER AND TITLE 0603260F Intellig	jence Adv			<b>3481</b>		
(U)	Performing Organizations Continued: Test and Evaluation Organizations N/A							
(U)	Government Furnished Property:  Contract Method/Type Award or  Item or Funding Obligation Delivery Description Vehicle Date Date  Product Development Property N/A Support and Management Property N/A Test and Evaluation Property	У	Total Prior to FY 2002	Budget FY 2002	Budget FY 2003	Budget FY 2004	Budget to Complete	<u>Tota</u> <u>Prograr</u>
	N/A <u>Subtotals</u> Subtotal Product Development Subtotal Support and Management Subtotal Test and Evaluation Total Project		Total Prior to FY 2002 500	Budget FY 2002 1,314 1,314	Budget FY 2003 1,290	Budget FY 2004 1,331	Budget to Complete TBD	<u>Tota</u> <u>Prograt</u> TBI
P	roject 3481	Page	: 16 of 21 Pages			Exhib	it R-3 (PE 0	603260F)

		E BUDGET ITEM	JUSTIF	ICATIO		•		ibit)		DATE	Februar	y 2003
04 -	GET ACTIVITY  Advanced Com  D&P)	nponent Developmer	nt and P	rototype		OMBER AND <b>3260F</b> I		nce Adv	anced D	evelopn	nent	PROJECT <b>3482</b>
	COST (\$ in <sup>-</sup>	Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
3482	Science & Tech Inte	elligence Methodology	1,783	1,032	1,060	1,088	1,098	1,118	1,134	1,152	Continuing	TBI
(U)	requirements. The maregard to the capability NOTE: The CSAF Mattheway three such projects in	lidates intelligence methodo nethods and techniques will l	nelp AIA in k Force dir ite fielding	nprove their ected and fu of the JTT t	analysis of anded the Jo to the unit le	f current and pint Targetin evels via Pr	d future for ng Toolbox e-Planned F	eign weapo (JTT) Integ Product Imp	n systems, s gration Proj provement (	and prevent ect in FY02 P3I). The J	technologic  The proje	ct was one of
(U) (U) (U) (U) (U) (U) (U) (U)	FY 2002 (\$ in Thous \$0 \$568 \$0 \$0 \$365 \$850 \$1,783	ands) Accomplishment/Planned Continued Dynamic Info C Transitioned Missile Syste Transitioned Laser Weapo Continued Tel-Scope Situa Initiated/Completed Joint	Ops Dev Erem Reentry ons (LODU) ation Award	Vehicle Alg R) Threat A eness	gorithm Enl ssessment	nancements Γool to PE6	for NAIC 1 4750	o PE 64750	)			
(U) (U) (U) (U) (U) (U) (U)	FY 2003 (\$ in Thous \$0 \$258 \$283 \$332 \$159 \$1,032	ands) Accomplishment/Planned Complete DIODE for EIP Initiate Joint DIODE Integ Continue Tel-Scope Situat Initiate Joint IADS View Total	B gration Too									
Р	roject 3482			]	Page 17 of 2	21 Pages				Exh	ibit R-2A (F	PE 0603260F)

RDT&E BUDGET ITEM JUSTIFICATION	SHEET (R-2A Exhibit)	DATE February 2003
BUDGET ACTIVITY  04 - Advanced Component Development and Prototypes  (ACD&P)	PE NUMBER AND TITLE  0603260F Intelligence Advanced Deve	PROJECT 3482
(U) A. Mission Description Continued		
(U) FY 2004 (\$ in Thousands) (U) \$0 Accomplishment/Planned Program (U) \$294 Complete Tel-Scope Situation Awareness (U) \$278 Continue Joint IADS View (U) \$319 Complete Joint DIODE Integration Tools (U) \$169 Initiate Automated Correspondence Analysis System (U) \$1,060 Total	ACAS)	
(U) B. Project Change Summary Not Applicable		
(U) C. Other Program Funding Summary (\$ in Thousands)  FY 2002 FY 2003 FY 2004 FY 20  Actual Estimate Estimate Estimate  (U) AF RDT&E  (U) Other APPN None		Cost to Total Cost Complete
(U) <u>D. Acquisition Strategy</u> All major contracts within this Program Element were awarded after full and	open competition.	
(U) E. Schedule Profile  1 (U) Transitioned Radio Frequency Modeling (HEIMDAL) & LODUR to *	FY 2002 2 3 4 1 2 3 4	FY 2004 1 2 3 4
PE 64750  (U) Transitioned Missile Sys RV Algorithm Enhancement to PE 64750  * (U) Initiated/Completed Joint Targeting Toolbox Integration  * (U) Complete DIODE for EIPB  (U) Initiate/Complete Joint DIODE Integration Tools	* X	X X
Project 3482 Page	18 of 21 Pages	Exhibit R-2A (PE 0603260F)

RDT&E BUDGET ITEM JUSTIFICATION	ON SHE	ET (R	-2A E	xhibit	)		DATE		ruary	2003	
BUDGET ACTIVITY  04 - Advanced Component Development and Prototype (ACD&P)	PE NUMBER AND TITLE  0603260F Intelligence Advanced De						-			PROJECT <b>3482</b>	
(U) Initiate Joint IADS View (U) Complete Tel-Scope Situation Awareness (U) Initiate Automated Correspondence Analysis System (ACAS) * - Denotes completed event X - Denotes planned event	1 2 E	<u>Y 2002</u> 3	4	1	FY 20 2 X	<u>003</u> 3	4	1	<u>FY 2</u> 2 X	3	4 X
Project 3482	Page 19 of 2	21 Pages					Е	xhibit R	-2A (PE	E 06032	60F)

	RDT&E PRO	GRAM ELE	MENT/P	ROJECT C	OST BI	REAKDO	WN (R-3)	)	DATE <b>F</b>	ebruary 2	2003
04 -	SET ACTIVITY  Advanced Compor  D&P)	nent Developi	ment and I	Prototypes	<b>=</b>	ER AND TITLE 60F Intelliç	gence Adv	anced De			PROJECT <b>3482</b>
(U)	A. Project Cost Breakdov	wn (\$ in Thousan	<u>ds</u> )								
								<u>2002</u>	FY 20		FY 2004
(U)	DIODE for Enhanced Intel	-	espace (EIPB)					568		58	0
(U)	Tel-Scope Situation Award							365	3.	32	294
(U)	Joint Targeting Toolbox Ir	-						850		0	0
(U)	Joint DIODE Integration T	Tools						0		83	319
(U)	Joint IADS View							0	1:	59	278
(U)	Automated Correspondence	e Analysis System	1					0		0	169
(U)	Total						1,	,783	1,0	32	1,060
<b>(U)</b>	B. Budget Acquisition His	story and Plannir	ng Informatio	n (\$ in Thousand	<u>s)</u>						
( <b>U</b> )	<b>Performing Organization</b>	ıs:									
	Contractor or	<b>Contract</b>									
	Government	Method/Type	Award or	<b>Performing</b>	<b>Project</b>						
	Performing	or Funding	<b>Obligation</b>	<u>Activity</u>	Office Office	Total Prior	<b>Budget</b>	<b>Budget</b>	<u>Budget</u>	Budget to	<u>Total</u>
	<u>Activity</u>	<u>Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>	to FY 2002	FY 2002	FY 2003	FY 2004	Complete	<u>Program</u>
	Product Development Orga										
	Zel-Tech (01-C-0048)	CPFF	6 Mar 01	N/A	1,026	200	568	258	0	0	1,026
	PRC, Inc. (00-C-0045)	CPFF	1 Feb 01	N/A	1,091	100	365	332	294	0	1,091
	Northrup-Grumman IT (F30602-00-D-0012)	CPFF	30 Nov 02	N/A	850	0	850	0	0	0	850
	TBD	TBD	TBD	N/A	602	0	0	283	319	0	602
	TBD	TBD	TBD	N/A	717	0	0	159	278	Continuing	TBD
	TBD	TBD	TBD	N/A	769	0	0	0	169	Continuing	TBD
	Support and Management ON/A	Organizations									
	Test and Evaluation Organ N/A	<u>izations</u>									
Р	roject 3482			Page	20 of 21 Pa	ages			Exhil	oit R-3 (PE (	0603260F)

RDT&E PF	ROGRAM ELI	EMENT/F	OST BREAKDO	WN (R-3)	DATE <b>F</b> 6	003			
UDGET ACTIVITY 14 - Advanced Comp ACD&P)	PE NUMBER AND TITLE 0603260F Intellic	velopment		PROJECT <b>3482</b>					
Item Description Product Development P N/A Support and Manageme N/A	Contract Method/Type or Funding Vehicle roperty ent Property	Award or Obligation Date	<u>Delivery</u> <u>Date</u>	Total Prior to FY 2002	Budget FY 2002	Budget FY 2003	Budget FY 2004	Budget to Complete	<u>Tot</u> <u>Progra</u>
Test and Evaluation Pro N/A  Subtotals Subtotal Product Develor Subtotal Support and M	opment anagement			Total Prior to FY 2002 300	Budget FY 2002 1,783	Budget FY 2003 1,032	Budget FY 2004 1,060	Budget to Complete TBD	<u>To</u> <u>Progr</u> TE
Subtotal Test and Evalu Total Project	ation			300	1,783	1,032	1,060	TBD	TI
Project 3482			Page	e 21 of 21 Pages			Exhib	it R-3 (PE (	)603260F