	RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)										2001	
	T ACTIVITY  Demonstration and Validation		PE NUMBER AND TITLE  0603856F Air Force/National Program Cooperation  (AFNPC)									
	COST (\$ in Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost	
4782	Air Force/National Program Cooperation (AFNPC)	0	2,348	4,433	8,860	3,348	0	1,865	1,904	Continuing	TBD	
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0	

NOTE: This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

FY 2000 funding for current Air Force/National Program Cooperation (AFNPC) efforts was executed in PE 0305917F. FY03-FY07 budget numbers do not reflect DoD's strategic review results.

### (U) A. Mission Description

This Program Element supports collaborative Air Force-intelligence community space efforts. At present, it funds two items that both began in FY 1999:

- 1) The AF/NRO Integration Planning Group (ANIPG) engenders greater AF-NRO synergies in R&D, operations, and programs by developing options for increasing integration across the entire range of AF and NRO space activities. ANIPG-developed recommendations on policies, plans, programs, requirements, architectures, acquisition, and resources are submitted to HQ USAF and NRO staffs and leadership for mutual agreement and implementation. Past, present, and future initiative areas include precision targeting, communications, combat identification, combat search & rescue, mission planning/rehearsal, joint acquisition, and reduction in operations personnel tempos for airborne intelligence, surveillance, and reconnaissance assets. ANIPG efforts are key facilitators for enhancing AF and NRO capabilities, increasing the cost-effectiveness of their space activities, and preventing duplication of efforts through low-cost, high-benefit initiatives. Funding level is determined by AF-NRO Memorandum of Agreement.
- 2) The Space-Based Infrared System Technical Intelligence (SBIRS TI) project develops capabilities to exploit SBIRS High sensor data for the technical intelligence mission. These enhancements provide data extraction, processing, exploitation, and dynamic sensor cross-cueing capabilities needed to meet fundamental SBIRS requirements for strategic and theater missile defense, technical intelligence, and battlespace characterization. The project assists in satisfying SBIRS Operational Requirements Document threshold requirements for real-time technical intelligence by (A) developing backup centers for remotely-controlled TI pre-processing at remote ground stations and (B) integrating SBIRS data with other intelligence source data for synergistic effects. Obtained TI is used in real-time and non-real-time to maximize operational weapons system effectiveness by optimizing detection, classification/typing, and negation capabilities for warning and active defense systems. Beyond Operational Requirements Document threshold requirements, SBIRS TI efforts are meant to establish real-time and non-real-time collaborative efforts in order to maximize SBIRS tasking efforts.

Project 4782 Page 1 of 6 Pages Exhibit R-2 (PE 0603856F)

#### DATE RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit) June 2001 PE NUMBER AND TITLE BUDGET ACTIVITY PROJECT 04 - Demonstration and Validation 0603856F Air Force/National Program Cooperation 4782 (AFNPC) A. Mission Description Continued The intelligence community provides additional funds for these joint projects as reported in Congressional Budget Justification Books. FY 2000 (\$ in Thousands) (U)(U) \$0 FY 2000 AFNPC funding was executed in PE 0305917F (U) \$0 **Total** FY 2001 (\$ in Thousands) \$882 (U) Continue technical support to the AF/NRO Integration Planning Group (ANIPG) Continue to develop processing capabilities to exploit SBIRS sensor data for technical intelligence \$1,466 \$2,348 Total The following net transaction is not reflected in the FY01 program total: SBIR = -\$150K. This transaction is not reflected in other sections of the R-DOCs where an FY01 total is shown. FY 2002 (\$ in Thousands) \$1.650 Technical support to the AF/NRO Integration Planning Group (ANIPG) Develop processing capabilities to exploit SBIRS sensor data for technical intelligence (establishes Link 3 Preprocessors IOC in Mission Control (U) \$2,783 Station in FY02) (U) \$4,433 **Total B. Budget Activity Justification** (U) This PE is in Budget Activity 4, Demonstration and Validation, because these projects involve testing and demonstrating new cooperative efforts. C. Program Change Summary (\$ in Thousands) FY 2000 FY 2001 FY 2002 **Total Cost** Previous President's Budget (FY 2001 PBR) 3,370 4,415 TBD (U) Appropriated Value 0 2,370 (U) Adjustments to Appropriated Value a. Congressional/General Reductions -17 b. Small Business Innovative Research c. Omnibus or Other Above Threshold Reprogram

Exhibit R-2 (PE 0603856F)

Project 4782

	RDT&E BUDGET ITEM JUSTIFICATION	N SHEE	T (R		DATE	June 2	001			
	GET ACTIVITY  Demonstration and Validation	PE NUME 06038 (AFNF	56F /		e/National	Progran	n Coop	eration	PROJECT <b>4782</b>	Т
( <b>U</b> )	C. Program Change Summary (\$ in Thousands) Continued		F	Y 2000	FY 200	1	FY 2002		Total	Cost
	d. Below Threshold Reprogram e. Rescissions		-	<b>1 2</b> 000	-5				<u> </u>	
(U) (U)	Adjustments to Budget Years Since FY 2001 PBR Current Budget Submit/FY 2002 PBR			0	2,348	3	18 4,433		Т	ГBD
(U)	Significant Program Changes: FY 00: Funding for these efforts was executed in PE 0305917F. FY 02: Adjustment supports higher Air Force priorities.									
(U)			2004 timate	FY 2005 Estimate		FY 2007 Estimate	-	Cost to	Total (	Cost
(U)	Intelligence Community* *Not available									
	<b>E.</b> Acquisition Strategy ANIPG activities are level of effort and use SETA support contracts and FF award fee contract.	RDC. SBIR	S TI ac	tivities are	executed as pa	art of the SI	BIRS High	n program o	n its cost plu	1S
( <b>U</b> )	F. Schedule Profile	FY 20	200		FY 2	2001		EV	2002	
	1	2	3	4	1 2		4 1			4
(U)	ANIPG Efforts:	_			_	_		_		
(U)	Expeditionary Aerospace Force (EAF) Support Issues			*			* X			
(U)	Multi-Mission Satellites Exploration			*			* X			
(U)	Low-Density High-Demand (LDHD) Asset Relief Issues			*			* X			
(U) (U)	Space Staff Meeting Integration Reviews Implement Space Comission/SECDEF directions			-1-			* X	•		
(U)	SBIRS TI Capability Development:									
Р	roject 4782 Pa	ige 3 of 6 Pa	ges				Exh	nibit R-2 (P	E 0603856F	F)_

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DAT	DATE June 2001					
	GET ACTIVITY  Demonstration and Validation	PE NUMBER AND TITLE  0603856F Air Force/National Program (AFNPC)							ram C	•			PROJECT <b>4782</b>	
U)	F. Schedule Profile Continued													
		FY 2000				E	FY 200	<u>)1</u>			<b>FY</b> 2	2002		
	1	2 3	3	4	1	2		3	4	1	2	3	۷	
J)	Global Connectivity Service (see note 1)			*					*	X				
J)	NSTS/DICES (see note 1)			*					*	X				
J)	Remote Technical Intelligence Console Design & Development			*					*	X				
J)	CTIC/BTIC Design & Development			*					*	X				
J)	Link 3 Preprocessors (see note 2)			*					*	X				
	* = Completed Event													
	X = Planned Event													
	<ol> <li>These capabilities are being developed for several locations over this tim were noted in the FY 2001 RDT&amp;E budget justification exhibit.</li> <li>This was listed as 'Technical Intelligence Real Time Ops Design &amp; Deve</li> </ol>						-							
	2. This was listed as Technical Intelligence Real Time Ops Design & Deve	eropment in the	ГΙ	2001 K	DIXE	buagei	Justii	ıcamo	n exnibi	ι.				
	SBIRS TI acronyms are as follows:  NSTS/DICES - National Security Agency (NSA) Secure Telephone System CTIC/BTIC - Collaborative Technical Intelligence Center / Backup Technical				nunicati	ions El	ectron	nic Sy	stem					
Р	roject 4782 Pa	ge 4 of 6 Pages								Exhibi	t R-2 (P	E 0603	856	

	RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										)1
BUDGET ACTIVITY  04 - Demonstration and Validation						ER AND TITLE 56F Air Fo C)	rce/Natior	m Coope	PROJECT <b>4782</b>		
(U)	A. Project Cost Breakdown	(\$ in Thousand	<u>ls</u> )								
(U) (U) (U)	Technical support to the AF/N Develop processing capability Total	_	_	_			FY 2	2 <u>000</u> 0 0 0	FY 200 88 1,46 2,34	2 66	FY 2002 1,650 2,783 4,433
	Note: FY 2000 funding for the	ese efforts was	executed unde	er PE 0305917F	·.						
<b>(U)</b>	<b>B. Budget Acquisition Histor</b>	ry and Plannin	g Informatio	n (\$ in Thousa	nds)						
(U)	Performing Organizations: Contractor or Government Performing Activity Product Development Organiz (U) SMC Support and Management Org (U) ANIPG Test and Evaluation Organizat Not Applicable	MIPR anizations MIPR ions	Award or Obligation Date 12/98 10/98	Performing Activity EAC  14,108  Continuing	Project Office EAC 14,108 Continuing	Total Prior to FY 2000 1,129 813	Budget FY 2000 0	Budget FY 2001 1,466 882	Budget FY 2002 2,783 1,650	Budget to Complete 8,730 Continuing	Program 14,108
	Note: FY 2000 funding for the	ese efforts was e	executed unde	er PE 0305917F							
(U)	Item Description Product Development Property None	Contract Method/Type or Funding Vehicle	Award or Obligation Date	<u>Delivery</u> <u>Date</u>		Total Prior to FY 2000	Budget FY 2000	Budget FY 2001	Budget FY 2002	Budget to Complete	
Р	roject 4782			P	age 5 of 6 Pag	ges			Exhib	it R-3 (PE (	0603856F)

#### DATE RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3) June 2001 **BUDGET ACTIVITY** PE NUMBER AND TITLE PROJECT 04 - Demonstration and Validation 0603856F Air Force/National Program Cooperation 4782 (AFNPC) (U) Government Furnished Property Continued: Support and Management Property None Test and Evaluation Property None **Budget** Budget to **Total Prior Budget Budget Total** to FY 2000 FY 2000 FY 2001 FY 2002 Complete **Program Subtotals** Subtotal Product Development 1.129 0 1.466 2,783 8,730 14,108 Subtotal Support and Management 813 0 882 1.650 TBD TBD Subtotal Test and Evaluation **Total Project** 1,942 0 2,348 4,433 TBD TBD Note: FY 2000 funding for these efforts was executed under PE 0305917F. Project 4782 Page 6 of 6 Pages Exhibit R-3 (PE 0603856F)