	RDT	&E BUDGET ITEM	JUSTI	FICATI	ON SH	EET (R	-2 Exhi	bit)		DATE	June	2001
	PE NUMBER AND TITLE 105 - Engineering and Manufacturing Development 105 - Engineering and Manufacturing Development 10604240F B-2 Advanced Technology Bomber											
	COST (\$ in Thousands) FY 2000 Actual FY 2001 Estimate					FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
3843	B-2 Advanced Ted	chnology Bomber	286,381	129,118	155,004	116,923	78,641	47,006	14,001	14,298	Continuing	TBD
	Quantity of RDT&	E Articles	0	0	0	0	0	0	0	0	0	0
'Note	:: The FY 03-FY 07	tegic reviev	v results.'				ļ					
	The B-2 SPIRIT is America's most advanced long-range strike aircraft. This all-wing two crew member aircraft has twin weapons bays of over 20,000 pounds capacity each and employs a wide array of signature reduction technologies to greatly enhance its ability to penetrate enemy defenses and survive in a highly defended target environment. The B-2 provides global force projection capability and the ability to influence an enemy regardless of the location of enemy assets or the availability of forward basing.											
(U)	FY 2000 (\$ in Thou											
(U) (U)	\$6,899 \$11,900	Continue Developmental Te Continue Air Force Mission			MCC) supp	ort for base	lina D. 2. A	EMCC supr	out for Lin	ls 16/Canta	r Instrumen	
(0)	\$11,900	Display(CID)/Inflight Repla		•							i ilistrullieli	L
(U)	\$17,700	Continue support for Labs, agencies for Link-16/CID/II	Facilities,	and othergo	vernment a	gencies for		_		-	nd other gov	vernment
(U)	·											
(U)	\$124,929	Congressional Plus-up prog Classified Program/efforts)	rams deve	lopment (L	ink 16/CID	/IFR, EGB	U-28 Integi	ation, Steal	th Enhance	ment, Next	Generation	Bomber Study,
(U)	\$286,381	Total										
(U)	FY 2001 (\$ in Thou	usands)										
(U)	\$10,227	Continue Developmental Te										
(U) (U)	\$4,556 \$2,500	Continue AFMSS support for			unnort for N	MI- 92 Ini4	Direct Att	nale Munitie	on (IDAM)	Cmort Da	h Dacts A	ambly (CDD A)
(0)	ΦΔ,ΣΨΨ	Continue AFMSS support for Congressional Plus-Up	UI EUDU-	zo, degin s	upport for f	vik-02 JOIII	Direct Att	ack iviuiiitiic	III (JDAIVI)/	Smart don	io Kack Ass	emoly (SDKA)

Exhibit R-2 (PE 0604240F)

Project 3843

	RD	T&E BUDGET ITEM JUSTIFICAT	ION SHEET (R-2 Exhil	oit)	DATE June	2001
	ET ACTIVITY Engineering	and Manufacturing Development	PE NUMBER AND TITLE 0604240F B-2 Adva	nced Technol	ogy Bomber	PROJECT 3843
(U)	A. Mission Desc	ription Continued				,
(U)	FY 2001 (\$ in T)	housands) Continued				
(U)	\$7,309	Continue support for Labs, Facilities and other g				
(U)	\$9,330	Continue support for Labs, Facilities, and other g for Mk-82 JDAM/SBRA	government agencies for Link-16/C	ID/IFR and EGBU-2	28 Congressional Plus-U	Up; Begin support
(U)	\$29,863	Continue support for modification of EMD Aircr continue classified efforts; perform integration st		ontinue contractor si	apport of flight test base	e of operations;
(U)	\$65,333	Continue development of Congressional Plus-up		U-28 Integration); H	Begin Mk-82 JDAM/SB	RA development
(U)	\$129,118	Total				•
(U)	FY 2002 (\$ in T)	housands)				
(U)	\$9,695	Continue Developmental Test and Evaluation				
(U)	\$4,150	Continue AFMSS support for baseline B-2, cont	inue support for Mk-82 JDAM/SBF	RA		
(U)	\$2,000	Begin AFMSS support for EHF SATCOM Integ	ration			
(U)	\$6,868	Continue support for Labs, Facilities and other g			for MK-82 JDAM/SBR	A
(U)	\$2,030	Begin support for Labs, Facilities and other gove	_	•		
(U)	\$84,581	Continue support for modification of EMD Aircr continue classified efforts; perform integration st		continue contractor	support of flight test be	ase of operations;
(U)	\$45,680	Begin development of EHF SATCOM Integration	on			
(U)	\$155,004	Total				
(U)	B. Budget Activ	ity Justification				
	This program is	in budget activity 5 - Engineering and Manufacturing I	Development - because of concurrer	ncy in developing, te	sting, producing, and d	eploying the B-2.
(U)	C. Program Ch	ange Summary (\$ in Thousands)				
			FY 2000	<u>FY 2001</u>	FY 2002	Total Cos
(U)		ent's Budget (FY 2001 PBR)	297,854	48,313	33,397	TBD
(U)	Appropriated Va		301,765	130,313		
(U)		Appropriated Value		2.4.2		
	· ·	/General Reductions	-1,892	-912		
	b. Small Busines	ss Innovative Research	-8,615			
Р	roject 3843		Page 2 of 6 Pages		Exhibit R-2	(PE 0604240F)

	RDT&E BU	DATE June 2001									
	GET ACTIVITY Engineering and Man	ufacturing	g Develop	oment		NUMBER AND 04240F		nced Tecl	hnology l	Bomber	PROJECT 3843
(U)	U) C. Program Change Summary (\$ in Thousands) Continued						Y 2000	FY 2001	ı F	Y 2002	Total Cost
	c. Omnibus or Other Above 7 d. Below Threshold Reprogra e. Rescissions	ım					-3,697 -1,180	-283	_		Total Cost
(U) (U)	Adjustments to Budget Years Current Budget Submit/FY 2		11 PBR			2	86,381	129,118		21,607 55,004	TBD
	Significant Program Changes: FY00: Congress appropriated an additional \$100M for B-2 RDT&E (Added \$141.6M: classified program (\$30.1M), Link 16/CID (\$68.7M), EGBU-28 Integration (\$16.8M), Inflight Replanner (20M), Stealth Enhancement (\$4M), and Next Generation Bomber Study (\$2M); reduced RDT&E by \$10M due to delay of AV-3 modifications and reduced RDT&E by \$31.6M due to JASSM integration savings.) FY01: Congress appropriated an additional \$82M: Mk-82 JDAM/SBRA Integration (\$56M), EGBU-28 Integration (\$15M), and In-flight Replanner (\$11M) 'The following net transactions are not reflected in the FY 01 program total: BTR = +\$127K, SBIR = -\$3642K. These transactions are not reflected in other sections of the RDocs where an FY 01 total is shown.' FY02: Added Mk-82 JDAM/SBRA Integration (\$71.0M); added EHF Integration (\$51.6M); offest per OSD review (\$1.890M); adjustment for inflation (\$917K); decrease to T&E funding for higher AF priority (\$20K).										
(U)	D. Other Program Funding	•									
(U)	A/C Proc, AF, Combat	FY 2000 Actual 0	FY 2001 Estimate 0	FY 2002 Estimate 0	FY 2003 Estimate 0	FY 2004 Estimate 0	FY 2005 Estimate 0	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	<u>Total Cost</u>
(U)	A/C/BA07/B-2A A/C Proc, AF, Post Prod Support/BA07	65,876	18,433	12,647	3,330	7,453	7,652	7,811	7,977		
(U)	A/C Proc, AF, Modifications/BA05/B-2A	17,192	23,678	19,810	20,727	23,156	51,133	38,717	20,071		
` ′	A/C Prod, AF, ICS A/C Proc, AF, Cmn Spt Eq/BA07/Items<\$2M	47,294 448	42,310 439	38,612 427	34,007 432	33,989 479	34,522 478	23,645 488	12,140 499		
P	roject 3843				Page 3 of	f 6 Pages				Exhibit R-2	2 (PE 0604240F)

	RDT&E BU	DGET IT	TEM JUS	STIFICA	TION SF	IEET (R	-2 Exhib	oit)		DATE J	une 2	001
-	GET ACTIVITY - Engineering and Man	ufacturing	g Develop	oment		NUMBER AND 04240F		nced Tec	hnology	Bomber		PROJECT 3843
(U)	D. Other Program Funding S	Summary (\$ 5 FY 2000 Actual	in Thousand FY 2001 Estimate	<u>ls)</u> <u>FY 2002</u> <u>Estimate</u>	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	<u>Cost</u> <u>Comp</u>		Total Cost
(U)	A/C Proc, AF, A/C Initial Spares/BA06/B-2A	60,036	36,956	12,313	8,666	4,920	4,064	4,052	2,752			
(U)	Proc (Other), AF/BA 02,03, 04/B-2A	5,225	6,043	8,327	7,655	7,821	7,995	8,154	8,334			
(U)	Military Construction/BA01	23,000	12,050	0	0	0	0	0	0			
(U)	(U) E. Acquisition Strategy Key elements of the overall acquisition strategy include: use of sole source contract with a prime/integrating contractor; use of cost plus award fee (CPAF) development contracts; and combining developmental upgrades with software sustainment blocks to minimize the number of software releases, aircraft downtime and differences in fielded configurations											
(U)	F. Schedule Profile								0.04			
						FY 2000 2 3	4 1	<u>FY 2</u> 2	<u>001</u> 3 4	1 1	<u>FY 2</u>	2 <u>002</u> 3 4
(U)	A/V 5 Block 30 Upgrade Comp	L .			*	k		_		-		
(U)	20th Block 30 Air Vehicle Del	ivery				*	.1					
(U) (U)	AHFM Flight Test Complete SATCOM/DAMA Flight Test	Complete					ተ			X		
(U)	JASSM Flight Test Complete	Complete								X		
(U)	EHF Contract Award										X	
	* = Completed event x = Planned event											
Р	Project 3843				Page 4 of	f 6 Pages				Exhibit	R-2 (P	E 0604240F)

	RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										01	
	ET ACTIVITY Engineering and Mar	nufacturing	Developn	nent		SER AND TITLE 40F B-2 AC	dvanced T	echnology	/ Bombe	ſ	PROJECT 3843	
(U)	A. Project Cost Breakdown	(\$ in Thousand	<u>ls</u>)									
(U) (U) (U)	Equipment Development & I Government Test Other Government Costs (O						231, 6,	2000 015 899 700	FY 20 97,74 10,22 16,63	10 27	FY 2002 138,317 7,789 8,898	
(U) (U)	Other Total	de)						767	4,51 129,11	2	0 155,004	
(U)	B. Budget Acquisition Histo	ry and Plannin	g Informatio	n (\$ in Thousa	nds)							
(U)	Performing Organizations: Contractor or Government	Contract Method/Type	Award or	Performing	Project							
	Performing Activity	or Funding Vehicle	Obligation Date	Activity EAC	Office EAC	Total Prior to FY 2000	Budget FY 2000	<u>Budget</u> <u>FY 2001</u>	Budget FY 2002	Budget to Complete	<u>Total</u> <u>Program</u>	
	Product Development Organiz Air Vehicle - NG Aircrew Training Mission Planning	Multiple CPIF Multiple	Multiple Jul 1985 Multiple	21,858,695 561,345 342,137	21,864,578 561,345 342,137	21,214,149 561,345 313,381	219,115 0 11,900	90,684 0 7,056	132,067 6,150	206,673 0 3,650	21,862,688 561,345 342,137	
	Support and Management Org Other Govt Costs Test and Evaluation Organiza Govt Test	N/A	N/A	1,074,796 850,336	1,074,796 850,336	979,299 781,856	48,467 6,899	21,151 10,227	8,898 7,789	16,981 Continuing	1,074,796 TBD	
(U)	Government Furnished Pro	perty: Contract Method/Type	Award or	,	,	,	,	•	ŕ	S		
	<u>Item</u> <u>Description</u> Product Development Propert	or Funding Vehicle	Obligation Date	<u>Delivery</u> <u>Date</u>		Total Prior to FY 2000	Budget FY 2000	<u>Budget</u> <u>FY 2001</u>	Budget FY 2002	Budget to Complete	<u>Total</u> <u>Program</u>	
	Engines G.E. AARL Boeing	Multiple	Multiple FPIF	N/A Jun 88		566,500 125,821	0	0 0	100	0 0	566,500 125,921	
Р	roject 3843			P	age 5 of 6 Pag	ges			Exhib	oit R-3 (PE 0	604240F)	

RDT&E PROGRAM ELEMENT/PROJEC		June 2001				
BUDGET ACTIVITY 05 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604240F B-2 A	dvanced 1	Technolog	y Bomber		PROJECT 3843
(U) Government Furnished Property Continued: Support and Management Property Test and Evaluation Property Subtotals Subtotal Product Development Subtotal Support and Management Subtotal Test and Evaluation Total Project	Total Prior to FY 2000 22,781,196 979,299 781,856 24,542,351	Budget FY 2000 231,015 48,467 6,899 286,381	Budget FY 2001 97,740 21,151 10,227 129,118	Budget FY 2002 138,317 8,898 7,789 155,004	Budget to Complete 210,323 16,981 TBD TBD	Total Program 23,458,591 1,074,796 TBE TBE
Project 3843	Page 6 of 6 Pages			Exhib	it R-3 (PE 0	604240F)