

**UNCLASSIFIED**

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 2000		
BUDGET ACTIVITY <b>05 - Engineering and Manufacturing Development</b>				PE NUMBER AND TITLE <b>0604240F B-2 Advanced Technology Bomber</b>				PROJECT <b>653843</b>		
COST (\$ in Thousands)		FY 1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
653843	B-2 Advanced Technology Bomber	108,620	297,854	48,313	33,397	13,057	13,358	13,618	Continuing	TBD
Quantity of RDT&E Articles		0	0	0	0	0	0	0	0	0
<p>(U) <b><u>A. Mission Description</u></b>                      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 both its ability to penetrate enemy defenses and its ability to 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.</p>										
<p>(U) <b><u>FY 1999 (\$ in Thousands)</u></b></p>										
(U)	\$4,446	Continued Developmental Test and Evaluation (Maintain minimal flight test infrastructure at Edwards AFB)								
(U)	\$13,523	Continued support for Air Force Mission Support System (AFMSS)								
(U)	\$18,535	Continued support for Labs and Facilities								
(U)	\$72,116	Continued support for modification of EMD Aircraft; begin Joint Air-to-Surface Standoff Missile (JASSM) integration; contractor support of flight test base of operations.								
(U)	\$108,620	Total								
<p>(U) <b><u>FY 2000 (\$ in Thousands)</u></b></p>										
(U)	\$11,900	Continue Developmental Test and Evaluation (Maintain minimal flight test infrastructure at Edwards AFB)								
(U)	\$6,650	Continue support for Air Force Mission Support System (AFMSS)								
(U)	\$15,263	Continue support for Labs and Facilities								
(U)	\$122,441	Continue support for modification of EMD Aircraft; continue JASSM integration; contractor support of flight test base of operations; conduct B-2 EHF risk reduction study.								
(U)	\$141,600	Congressional Plus-Up (Link 16/Center Instrument Display, EGBU-28, In-flight Replanning, Stealth Enhancement, Next Generation Bomber Study, Classified Program/efforts)								
(U)	\$297,854	Total								
Project 653843		Page 1 of 6 Pages				Exhibit R-2 (PE 0604240F)				

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<p>(U) <b><u>A. Mission Description Continued</u></b></p> <p>(U) <b><u>FY 2001 (\$ in Thousands)</u></b></p> <p>(U) \$15,425 Continue Developmental Test and Evaluation (Maintain minimal flight test infrastructure at Edwards AFB; JASSM flight test)</p> <p>(U) \$4,556 Continue support for Air Force Mission Support System (AFMSS)</p> <p>(U) \$15,034 Continue support for Labs and Facilities</p> <p>(U) \$13,298 Continue support for modification of EMD Aircraft; continue JASSM integration; continue contractor support of flight test base of operations; continue classified efforts; continue integration studies, reports, and analyses.</p> <p>(U) \$48,313 Total</p> <p>(U) <b><u>B. Budget Activity Justification</u></b> This program is in budget activity 5 - Engineering and Manufacturing Development - because of concurrency in developing, testing, producing, and deploying the B-2.</p> <p>(U) <b><u>C. Program Change Summary (\$ in Thousands)</u></b></p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 10%; text-align: center;"><u>FY 1999</u></th> <th style="width: 10%; text-align: center;"><u>FY 2000</u></th> <th style="width: 10%; text-align: center;"><u>FY 2001</u></th> <th style="width: 10%; text-align: center;"><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget (FY 2000 PBR)</td> <td style="text-align: center;">131,038</td> <td style="text-align: center;">201,765</td> <td style="text-align: center;">72,443</td> <td style="text-align: center;">TBD</td> </tr> <tr> <td>(U) Appropriated Value</td> <td style="text-align: center;">131,247</td> <td style="text-align: center;">301,765</td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Appropriated Value</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>    a. Congressional/General Reductions</td> <td style="text-align: center;">-209</td> <td style="text-align: center;">-12</td> <td></td> <td></td> </tr> <tr> <td>    b. Small Business Innovative Research</td> <td style="text-align: center;">-6,981</td> <td></td> <td></td> <td></td> </tr> <tr> <td>    c. Omnibus or Other Above Threshold Reprogram</td> <td></td> <td style="text-align: center;">-2,019</td> <td></td> <td></td> </tr> <tr> <td>    d. Below Threshold Reprogram</td> <td style="text-align: center;">-7,419</td> <td></td> <td></td> <td></td> </tr> <tr> <td>    e. Rescissions</td> <td style="text-align: center;">-8,018</td> <td style="text-align: center;">-1,880</td> <td></td> <td></td> </tr> <tr> <td>    f. Other</td> <td></td> <td></td> <td></td> <td style="text-align: center;">TBD</td> </tr> <tr> <td>(U) Adjustments to Budget Years Since FY 2000 PBR</td> <td></td> <td></td> <td style="text-align: center;">-24,130</td> <td></td> </tr> <tr> <td>(U) Current Budget Submit/FY 2001 PBR</td> <td style="text-align: center;">108,620</td> <td style="text-align: center;">297,854</td> <td style="text-align: center;">48,313</td> <td style="text-align: center;">TBD</td> </tr> </tbody> </table> <p>(U) <b><u>Significant Program Changes:</u></b>  FY99: Reprogrammed \$10.12 million for numerous low level requirements. Congress rescinded \$7 million due to JASSM integration savings.  FY00: Congress appropriated an additional \$100 million for B-2 RDT&amp;E (Added \$141.6 million for classified program, Link 16/CID, EGBU-28, Inflight Replanning, Stealth Enhancement, and Next Generation Bomber Study; Reduced RDT&amp;E by \$10 million due to delay of AV-3 modifications and reduced RDT&amp;E by \$31.6 million due to JASSM integration savings.)  FY01: Realigned \$14.7 million of JASSM integration savings to a higher priority program. Realigned \$9.0 million to FY02 based on the rephased upgrade of Air</p>				<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>	(U) Previous President's Budget (FY 2000 PBR)	131,038	201,765	72,443	TBD	(U) Appropriated Value	131,247	301,765			(U) Adjustments to Appropriated Value					a. Congressional/General Reductions	-209	-12			b. Small Business Innovative Research	-6,981				c. Omnibus or Other Above Threshold Reprogram		-2,019			d. Below Threshold Reprogram	-7,419				e. Rescissions	-8,018	-1,880			f. Other				TBD	(U) Adjustments to Budget Years Since FY 2000 PBR			-24,130		(U) Current Budget Submit/FY 2001 PBR	108,620	297,854	48,313	TBD
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BUDGET ACTIVITY <b>05 - Engineering and Manufacturing Development</b>	PE NUMBER AND TITLE <b>0604240F B-2 Advanced Technology Bomber</b>	PROJECT <b>653843</b>
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(U) **F. Schedule Profile Continued**

	<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>			
	1	2	3	4	1	2	3	4	1	2	3	4
(U) JSOW/GWIS Flight Test Complete				*								
(U) A/V 5 Block 30 Upgrade Complete						X						
(U) 20th Block 30 Air Vehicle Delivery							X					
(U) LO Verification Flight Test Complete								X				
(U) SATCOM/DAMA Flight Test Complete										X		
(U) JASSM Flight Test Complete												X
* = Completed event												
x = Planned event												

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)								DATE February 2000			
BUDGET ACTIVITY <b>05 - Engineering and Manufacturing Development</b>					PE NUMBER AND TITLE <b>0604240F B-2 Advanced Technology Bomber</b>			PROJECT <b>653843</b>			
<b>(U) A. Project Cost Breakdown (\$ in Thousands)</b>											
						<u>FY 1999</u>	<u>FY 2000</u>			<u>FY 2001</u>	
(U)	Equipment Development & Evaluation					85,639	270,691			17,854	
(U)	Government Test					4,446	11,900			15,425	
(U)	Other Government Costs (OGC)					12,819	8,087			10,479	
(U)	Other					5,716	7,176			4,555	
(U)	Total					108,620	297,854			48,313	
<b>(U) B. Budget Acquisition History and Planning Information (\$ in Thousands)</b>											
<b>(U) Performing Organizations:</b>											
	<u>Contractor or Government</u>	<u>Contract Method/Type</u>	<u>Award or Obligation</u>	<u>Performing Activity</u>	<u>Project Office</u>	<u>Total Prior to FY 1999</u>	<u>Budget FY 1999</u>	<u>Budget FY 2000</u>	<u>Budget FY 2001</u>	<u>Budget to Complete</u>	<u>Total Program</u>
	<u>Performing Activity</u>	<u>or Funding Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>						
<u>Product Development Organizations</u>											
	Air Vehicle - NG	CPIF/AF	Nov 1981	21,064,500	21,494,145	21,108,823	72,003	263,359	13,298	36,662	21,494,145
	Aircrew Training	CPIF	Jul 1985	561,348	561,348	561,348	0	0	0	0	561,348
	Mission Planning	Multiple	Multiple	350,861	350,861	324,132	13,523	6,650	4,556	2,000	350,861
<u>Support and Management Organizations</u>											
	Other Govt Costs	N/A		994,594	994,594	956,931	18,535	15,263	15,034	496	1,006,259
<u>Test and Evaluation Organizations</u>											
	Govt Test	N/A	N/A	851,769	851,769	785,826	4,446	11,900	15,425	Continuing	TBD
<b>(U) Government Furnished Property:</b>											
	<u>Item Description</u>	<u>Contract Method/Type</u>	<u>Award or Obligation</u>	<u>Delivery Date</u>		<u>Total Prior to FY 1999</u>	<u>Budget FY 1999</u>	<u>Budget FY 2000</u>	<u>Budget FY 2001</u>	<u>Budget to Complete</u>	<u>Total Program</u>
		<u>or Funding Vehicle</u>	<u>Date</u>	<u>Date</u>							
<u>Product Development Property</u>											
	Engines G.E.	Multiple	Multiple	N/A		566,343	0	0	0	0	566,343
	AARL Boeing		FPIF	Jun 88		125,575	113	682	0	100	126,470

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(U) Government Furnished Property Continued:

Support and Management Property

Test and Evaluation Property

	<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>	<u>Total</u>
<u>Subtotals</u>	<u>to FY 1999</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Complete</u>	<u>Program</u>
Subtotal Product Development	22,686,221	85,639	270,691	17,854	38,762	23,099,167
Subtotal Support and Management	956,931	18,535	15,263	15,034	496	1,006,259
Subtotal Test and Evaluation	785,826	4,446	11,900	15,425	TBD	TBD
Total Project	24,428,978	108,620	297,854	48,313	TBD	TBD