

UNCLASSIFIED

PE NUMBER: 0101113F
 PE TITLE: B-52 SQUADRONS

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2004
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0101113F B-52 SQUADRONS
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Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	52.001	28.406	25.766	34.259	71.215	28.487	0.000	Continuing	TBD
4810 Avionics Midlife Improvement (AMI)	29.563	28.354	9.176	0.000	0.000	0.000	0.000	Continuing	TBD
4875 Situational Awareness Defensive Improvement	22.438	0.000	0.000	0.000	0.000	0.000	0.000	0.000	70.925
4876 B-52 Global Air Traffic Management (GATM)	0.000	0.052	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
5039 B-52 Modernization	0.000	0.000	16.590	34.259	71.215	28.487	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

The B-52 is one of two bomber weapon systems which supports conventional and nuclear taskings. It employs a diverse weapons load and is the only long range bomber/weapon system that can employ the Advanced Cruise Missile (ACM), Air Launched Cruise Missile (ALCM) and Conventional Air Launched Cruise Missile (CALCM). The current service life is forecast beyond 2040. The Avionics Midlife Improvement (AMI) modification replaces unsupportable mission critical parts of the Offensive Avionics System (OAS), which controls navigation and weapons delivery. The Situational Awareness Defensive Improvement (SADI) modification originally was planned to improve situational awareness and electronic countermeasure system control. SADI has been rebaselined under the Airborne Electronic Attack Stand Off Jamming (AEA/SOJ) program (PE 64270F). The Global Air Traffic Management (GATM) spiral upgrade will allow the B-52 to meet Federal Aviation Agency and International Civil Aviation Organization (ICAO) avionics requirements to reduce airspace congestion and increase safety. B-52 Modernization upgrade provides communications improvements for enhanced command and control, an in flight CALCM mission planning system, machine-to-machine J-series/GPS aided weapons retargeting, increased carriage of GPS guided gravity and standoff weapons, support for B-52 test activities at the Air Force Flight Test Center (AFFTC), and other future program/studies to improve Total Ownership Cost (TOC) of the Aircraft. Air Force Material Command's Oklahoma Air Logistics Center has program management responsibility. The prime contractor for these projects is Boeing Defense located in Wichita, Kansas.

The B-52 is an operational system resulting in this program being budget activity 7 - Operational System Development.

Exhibit R-2, RDT&E Budget Item Justification

DATE

February 2004

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0101113F B-52 SQUADRONS

(U) **B. Program Change Summary (\$ in Millions)**

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Previous President's Budget	54.712	28.649	16.633
(U) Current PBR/President's Budget	52.001	28.406	25.766
(U) Total Adjustments	-2.711	-0.243	
(U) Congressional Program Reductions			
Congressional Rescissions		-0.243	
Congressional Increases			
Reprogrammings	-1.102		
SBIR/STTR Transfer	-1.609		

(U) **Significant Program Changes:**

B-52 Modernization Program deferred by one year--originally planned to start in FY 04. Program will now be an FY05 start.

Exhibit R-2a, RDT&E Project Justification

DATE
February 2004

BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0101113F B-52 SQUADRONS			PROJECT NUMBER AND TITLE 4810 Avionics Midlife Improvement (AMI)			
Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total	
4810 Avionics Midlife Improvement (AMI)	29.563	28.354	9.176	0.000	0.000	0.000	0.000	Continuing	TBD	
Quantity of RDT&E Articles	0	0	0	0	0	0	0			

(U) A. Mission Description and Budget Item Justification

The B-52H Offensive Avionics System (OAS) has several subsystems which must be replaced. The Inertial Navigation System (INS) utilizes 1960 unsupportable spinning mass gyro technology. The Avionics Control Unit (ACU) is a computer system with limited processing capability and memory. The Data Transfer Unit Cartridges (DTUCs) are bulky, unreliable, and obsolete. The AMI program will use non developmental components and technology to replace these subsystems and their associated software, significantly increasing OAS reliability, maintainability, supportability. Reliability and DMS deficiencies and performance improvements to the OAS are also addressed in this program. Funding is provided for engineering and planning studies for potential future weapon system enhancements (weapons, sensors, and avionics) and for weapon system operation/safety, supportability, maintainability, reliability, and Total Ownership Cost (TOC) improvements.

The B-52 is an operational system resulting in this program being budget activity 7 - Operational System Development.

(U) B. Accomplishments/Planned Program (\$ in Millions)

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Accomplishments/Planned Program	0.000	0.000	
(U) Prototype Hardware	4.253	0.000	
(U) Design, development of replacement software	16.908	15.841	
(U) Ground and Flight Test	7.350	11.875	9.176
(U) System Program Office Support	0.892	0.638	
(U) Program Support/Modeling and Simulation/Studies and Analysis	0.160		
(U) Total Cost	29.563	28.354	9.176

(U) C. Other Program Funding Summary (\$ in Millions)

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(U) AF RDT&E	29.563	28.354	9.176					Continuing	TBD
(U) Other APPN									
(U) Aircraft Procurement (BP1100)	0.000	12.411	37.178	35.320	5.591	0.818		Continuing	TBD

(U) D. Acquisition Strategy

The AMI program will contract with Boeing Wichita for aircraft hardware integration and Flight Management System and the Stores Management Overlay software development. Boeing will work with select vendors which will provide EMD hardware. The Government will subsequently contract with these vendors for production hardware supporting aircraft installations.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis

DATE

February 2004

BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT NUMBER AND TITLE				
07 Operational System Development				0101113F B-52 SQUADRONS				4810 Avionics Midlife Improvement (AMI)				
(U) <u>Cost Categories</u>	<u>Contract Method</u>	<u>Performing Activity &</u>	<u>Total</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>Cost to</u>	<u>Total</u>	<u>Target</u>
(Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>& Type</u>	<u>Location</u>	<u>Prior to FY</u>	<u>2003</u>	<u>2003</u>	<u>2004</u>	<u>2004</u>	<u>2005</u>	<u>2005</u>	<u>Complete</u>	<u>Cost</u>	<u>Value of</u>
			<u>2003</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u>	<u>Award</u>			<u>Contract</u>
			<u>Cost</u>		<u>Date</u>		<u>Date</u>		<u>Date</u>			
(U) <u>Product Development</u>												
Boeing, Wichita	CONTRACT		26.670	19.619		9.776				Continuing	TBD	
Subtotal Product Development			26.670	19.619		9.776		0.000		Continuing	TBD	0.000
Remarks:												
(U) <u>Support</u>												
OC-ALC/LH	PMA		0.538	0.204		0.203				Continuing	TBD	
OC-ALC/LAS	206		0.400	2.240		0.500				Continuing	TBD	
OO-ALC/LIR	616		0.100	0.200		5.700				Continuing	TBD	
SER/CASU	MIPR		0.100	0.300		0.300				Continuing	TBD	
Miscellaneous	BTR/SIBR										0.000	
Subtotal Support			1.138	2.944		6.703		0.000		Continuing	TBD	0.000
Remarks:												
(U) <u>Test & Evaluation</u>												
419 FLTS	Project Order		0.050	7.000		11.875		9.176		Continuing	TBD	
Subtotal Test & Evaluation			0.050	7.000		11.875		9.176		Continuing	TBD	0.000
Remarks:												
(U) <u>Management</u>												
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) Total Cost			27.858	29.563		28.354		9.176		Continuing	TBD	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE

February 2004

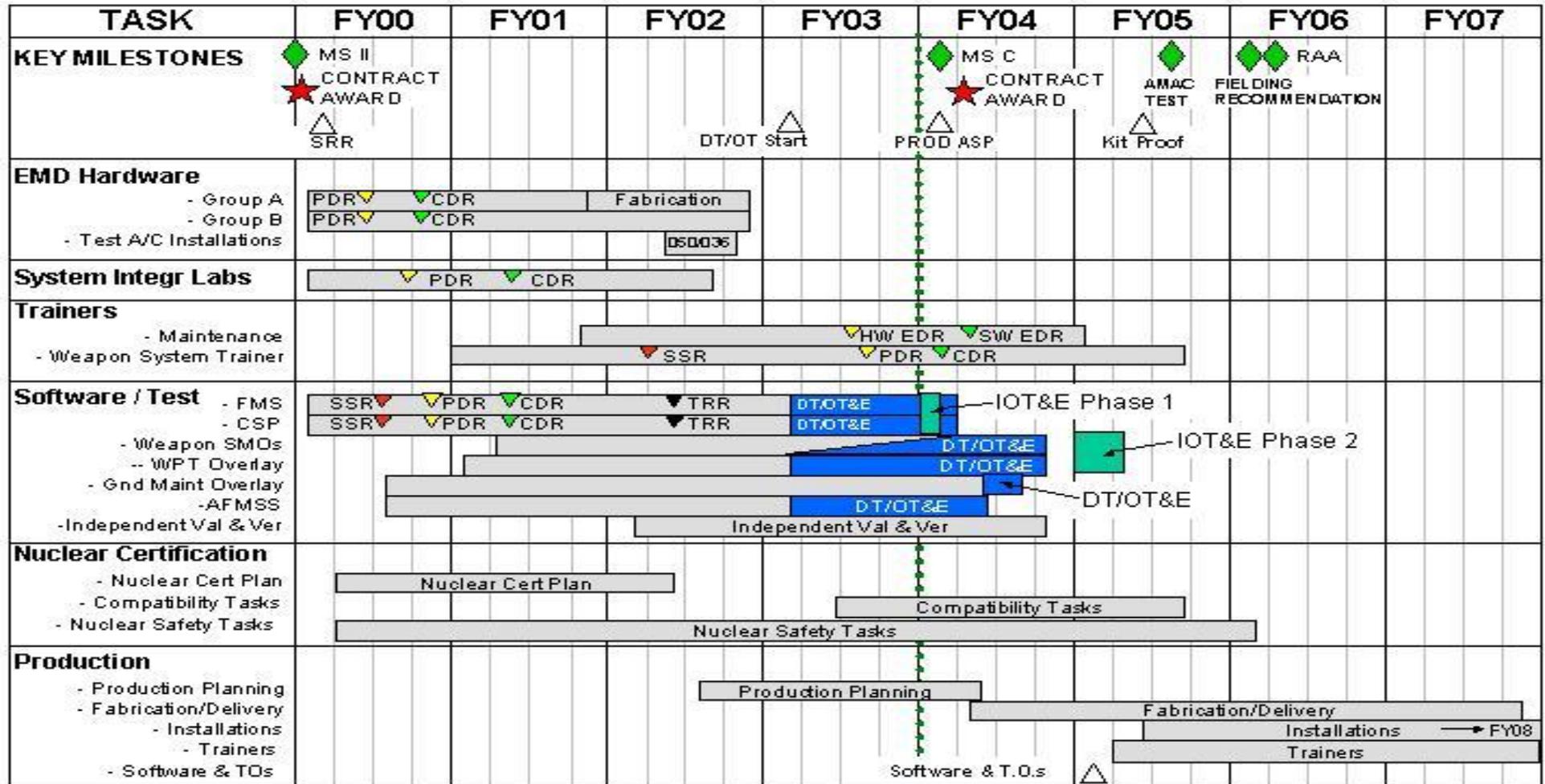
BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0101113F B-52 SQUADRONS

PROJECT NUMBER AND TITLE
4810 Avionics Midlife Improvement (AMI)

AMI Integrated Schedule

Date: 8 SEP 03
OPR: CC-ALC/LHMM
AMI Program Manager



UNCLASSIFIED

Exhibit R-4a, RDT&E Schedule Detail	DATE February 2004
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0101113F B-52 SQUADRONS	PROJECT NUMBER AND TITLE 4810 Avionics Midlife Improvement (AMI)
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	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) <u>Schedule Profile</u>			
(U) Software Development	1-4Q		
(U) Test Planning	1-4Q		
(U) Ground & Flight Test	1-4Q	1-4Q	1-3Q
(U) DT/OT Start	1Q		
(U) Milestone C		1Q	
(U) Production Acquisition Strategy Plan		1Q	
(U) Production Contract Award		2Q	
(U) Kit Proof			2Q

Exhibit R-2a, RDT&E Project Justification

DATE
February 2004

BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0101113F B-52 SQUADRONS			PROJECT NUMBER AND TITLE 4875 Situational Awareness Defensive Improvement		
Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
4875 Situational Awareness Defensive Improvement	22.438	0.000	0.000	0.000	0.000	0.000	0.000	0.000	70.925
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

The Situational Awareness Defensive Improvement (SADI) modification originally was planned to preserve B-52 survivability and add cornerstone architecture for stand off jamming (SOJ) capability in support of Air Force's system of system approach for airborne electronic (AEA) by replacing the AN/ALR-20 Panoramic Receiver System. SADI has been rebaselined under the Airborne Electronic Attack Stand Off Jamming (AEA/SOJ) program (PE 64270F).

(U) B. Accomplishments/Planned Program (\$ in Millions)

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Accomplishments/Planned Program	0.000		
(U) System Concept Studies (Includes CTD planning, System Engineering, System Capability Trades, Modeling and Simulation, Studies and Analysis, and Subsystem Source Selection).	15.438		
(U) Support Equipment/NRE	4.000		
(U) Program Management	3.000		
(U) Not Applicable		0.000	
(U) Total Cost	22.438	0.000	0.000

(U) C. Other Program Funding Summary (\$ in Millions)

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>Cost to Complete</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>		
(U) AF RDT&E	22.438							Continuing	TBD
(U) Other APPN								Continuing	TBD
(U) Aircraft Procurement (BP1100)								Continuing	TBD

(U) D. Acquisition Strategy

Program has been rebaselined under the Airborne Electronic Attack Stand Off Jamming (AEA/SOJ) program (PE 64270F).

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis

DATE

February 2004

BUDGET ACTIVITY			PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE				
07 Operational System Development			0101113F B-52 SQUADRONS					4875 Situational Awareness Defensive Improvement				
<u>(U) Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total</u> <u>Prior to FY</u> <u>2003</u> <u>Cost</u>	<u>FY</u> <u>2003</u> <u>Cost</u>	<u>FY</u> <u>2003</u> <u>Award</u> <u>Date</u>	<u>FY</u> <u>2004</u> <u>Cost</u>	<u>FY</u> <u>2004</u> <u>Award</u> <u>Date</u>	<u>FY</u> <u>2005</u> <u>Cost</u>	<u>FY</u> <u>2005</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total</u> <u>Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
<u>(U) Product Development</u>												
Boeing Military Programs, Wichita Division	CPAF		17.595	15.438							33.033	
Subtotal Product Development			17.595	15.438		0.000		0.000		0.000	33.033	0.000
Remarks:												
<u>(U) Support</u>												
OC-ALC/LH	PMA		0.813	0.875							1.688	
WR/ALC	616		0.098	1.306							1.404	
OO-ALC/YWT			1.404	1.500							2.904	
HQ ACC/XRA52	MORD		0.010	0.169							0.179	
Subtotal Support			2.325	3.850		0.000		0.000		0.000	6.175	0.000
Remarks:												
<u>(U) Test & Evaluation</u>												
36 EWS//EWF	616		0.050	0.050							0.100	
419 FLTS	616		0.050	0.050							0.100	
2LG & 49 TES	616		0.050	0.050							0.100	
Subtotal Test & Evaluation			0.150	0.150		0.000		0.000		0.000	0.300	0.000
Remarks:												
<u>(U) Management</u>												
				3.000							3.000	
Subtotal Management			0.000	3.000		0.000		0.000		0.000	3.000	0.000
Remarks:												
<u>(U) Total Cost</u>			20.070	22.438		0.000		0.000		0.000	42.508	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE

February 2004

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0101113F B-52 SQUADRONS

PROJECT NUMBER AND TITLE

**4875 Situational Awareness
Defensive Improvement**

Exhibit R-4a, RDT&E Schedule Detail	DATE February 2004
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0101113F B-52 SQUADRONS	PROJECT NUMBER AND TITLE 4875 Situational Awareness Defensive Improvement
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(U) <u>Schedule Profile</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Studies and Analysis/Pre Milestone A/risk reduction activities for AEA/SOJ program	1-4Q		

Exhibit R-2a, RDT&E Project Justification

DATE

February 2004

BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0101113F B-52 SQUADRONS			PROJECT NUMBER AND TITLE 4876 B-52 Global Air Traffic Management (GATM)		
Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
4876 B-52 Global Air Traffic Management (GATM)	0.000	0.052	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

The GATM program will develop and install an integrated communication, navigation, surveillance and air traffic management capability needed to comply with International Civil Aviation Organization (ICAO) and Federal Aviation Administration (FAA) requirements and to insure unrestricted access to global airspace. Program has been deferred past the FYDP.

The B-52 is an operational system resulting in this program being budget activity 7 - Operational System Development.

(U) B. Accomplishments/Planned Program (\$ in Millions)

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Accomplishments/Planned Program	0.000	0.000	
(U) No funding appropriated	0.000		
(U) No Activity		0.000	
(U) Total Cost	0.000	0.000	0.000

(U) C. Other Program Funding Summary (\$ in Millions)

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>Cost to Complete</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>		
(U) AF RDT&E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
(U) Other APPN								Continuing	TBD
(U) Aircraft Procurement (BP1100)								Continuing	TBD

(U) D. Acquisition Strategy

Not Applicable at this time.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis

DATE

February 2004

BUDGET ACTIVITY		PE NUMBER AND TITLE						PROJECT NUMBER AND TITLE				
07 Operational System Development		0101113F B-52 SQUADRONS						4876 B-52 Global Air Traffic Management (GATM)				
(U) <u>Cost Categories</u>	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>Cost to</u>	<u>Total</u>	<u>Target</u>
(Tailor to WBS, or System/Item Requirements) (\$ in Millions)			<u>Prior to FY</u>	<u>2003</u>	<u>2003</u>	<u>2004</u>	<u>2004</u>	<u>2005</u>	<u>2005</u>	<u>Complete</u>	<u>Cost</u>	<u>Value of</u>
			<u>2003</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u>	<u>Award</u>			<u>Contract</u>
			<u>Cost</u>		<u>Date</u>		<u>Date</u>		<u>Date</u>			
(U) <u>Product Development</u>												
Subtotal Product Development			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Support</u>												
Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Test & Evaluation</u>												
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Management</u>												
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) Total Cost			0.000	0.000		0.000		0.000		0.000	0.000	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE

February 2004

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0101113F B-52 SQUADRONS

PROJECT NUMBER AND TITLE

4876 B-52 Global Air Traffic Management (GATM)

UNCLASSIFIED

Exhibit R-4a, RDT&E Schedule Detail

DATE

February 2004

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0101113F B-52 SQUADRONS

PROJECT NUMBER AND TITLE

4876 B-52 Global Air Traffic Management (GATM)

(U) Schedule Profile

FY 2003

FY 2004

FY 2005

(U) No Activity

Exhibit R-2a, RDT&E Project Justification

DATE
February 2004

BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0101113F B-52 SQUADRONS			PROJECT NUMBER AND TITLE 5039 B-52 Modernization		
Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
5039 B-52 Modernization	0.000	0.000	16.590	34.259	71.215	28.487	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

B-52 Modernization is a comprehensive program that will ensure future B-52 viability. B-52 Modernization will first provide a communication and data link suite through the COmbat NETwork Communications Technology (CONNECT) incremental program. Increment one, Conventional Air Launched In-flight Beyond Line-Of-Sight Rapid Retasking (CIBR2), will be the communication backbone of the program by providing a new client/server architecture using commercial-off-the-shelf (COTS) computers interconnected through a Local Area Network (LAN) system and new color displays at each crew station. The upgrade will improve information processing and presentation. Increment two, Airborne Wideband Terminal (AWT), is part of the Family of Airborne Terminal (FAB-T) and the Extremely High Frequency (EHF) radio that will take the place of the AFSATCOM radio which is used for nuclear connectivity. AWT and associated antenna are architecture keystones to the B-52 conventional beyond-line-of-sight (BLOS) data link integration programs. AWT will provide secure, wideband, high data rate BLOS capability. Increment three will integrate Link 16 Tactical Data Link (TDL) system protocol. Future B-52 Modernization programs will also include (but not limited to) 1760 mil standard upgrade, new weapons integration, and targeting pod integration. Funding is provided for B-52 test activities at the Air Force Flight Test Center (AFFTC), engineering and planning studies for potential future weapon system enhancements (weapons, sensors, and avionics), and for weapon system operational/safety, supportability, reliability, and Total Ownership Cost (TOC) improvements.

The B-52 is an operational system resulting in this program being budget activity 7 - Operational System Development.

(U) B. Accomplishments/Planned Program (\$ in Millions)

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Accomplishments/Planned Program			
(U) Group A and B Kit Development			8.700
(U) Ground and Flight Test Planning			0.831
(U) Data Development			0.277
(U) Installation/Integration Planning			0.211
(U) Support Equipment Development			1.066
(U) Software Development			3.284
(U) Simulation/Trainer Development			1.203
(U) Program Support/Modeling and Simulation/Studies and Analsis			1.018
(U) Total Cost	0.000	0.000	16.590

Exhibit R-2a, RDT&E Project Justification

DATE

February 2004

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0101113F B-52 SQUADRONS

PROJECT NUMBER AND TITLE

5039 B-52 Modernization

(U) C. Other Program Funding Summary (\$ in Millions)(U) D. Acquisition Strategy

B-52 modernization is an development program that will be sole sourced to Boeing, who will be designing group A wiring and fairing for an Electronic System Center developed antenna and associated electronic hardware. At the same time Boeing will be developing the architecture for a system to process the information; procuring information processing equipment from their subcontractors; and developing drawings, data, and time compliance technical order (TCTO) for the installation on the B-52.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis

DATE

February 2004

BUDGET ACTIVITY			PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE				
07 Operational System Development			0101113F B-52 SQUADRONS					5039 B-52 Modernization				
(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total</u> <u>Prior to FY</u> <u>2003</u> <u>Cost</u>	<u>FY</u> <u>2003</u> <u>Cost</u>	<u>FY</u> <u>2003</u> <u>Award</u> <u>Date</u>	<u>FY</u> <u>2004</u> <u>Cost</u>	<u>FY</u> <u>2004</u> <u>Award</u> <u>Date</u>	<u>FY</u> <u>2005</u> <u>Cost</u>	<u>FY</u> <u>2005</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total</u> <u>Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u> Boeing, Wichita								13.000	Jan-05	Continuing	TBD	
Subtotal Product Development			0.000	0.000		0.000		13.000		Continuing	TBD	0.000
Remarks:												
(U) <u>Support</u> OO-ALC/LIR								1.203		Continuing	TBD	
OC-ALC/LH								2.387		Continuing	TBD	
Subtotal Support			0.000	0.000		0.000		3.590		Continuing	TBD	0.000
Remarks:												
(U) <u>Test & Evaluation</u> Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Management</u> Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) Total Cost			0.000	0.000		0.000		16.590		Continuing	TBD	0.000

Exhibit R-4, RDT&E Schedule Profile

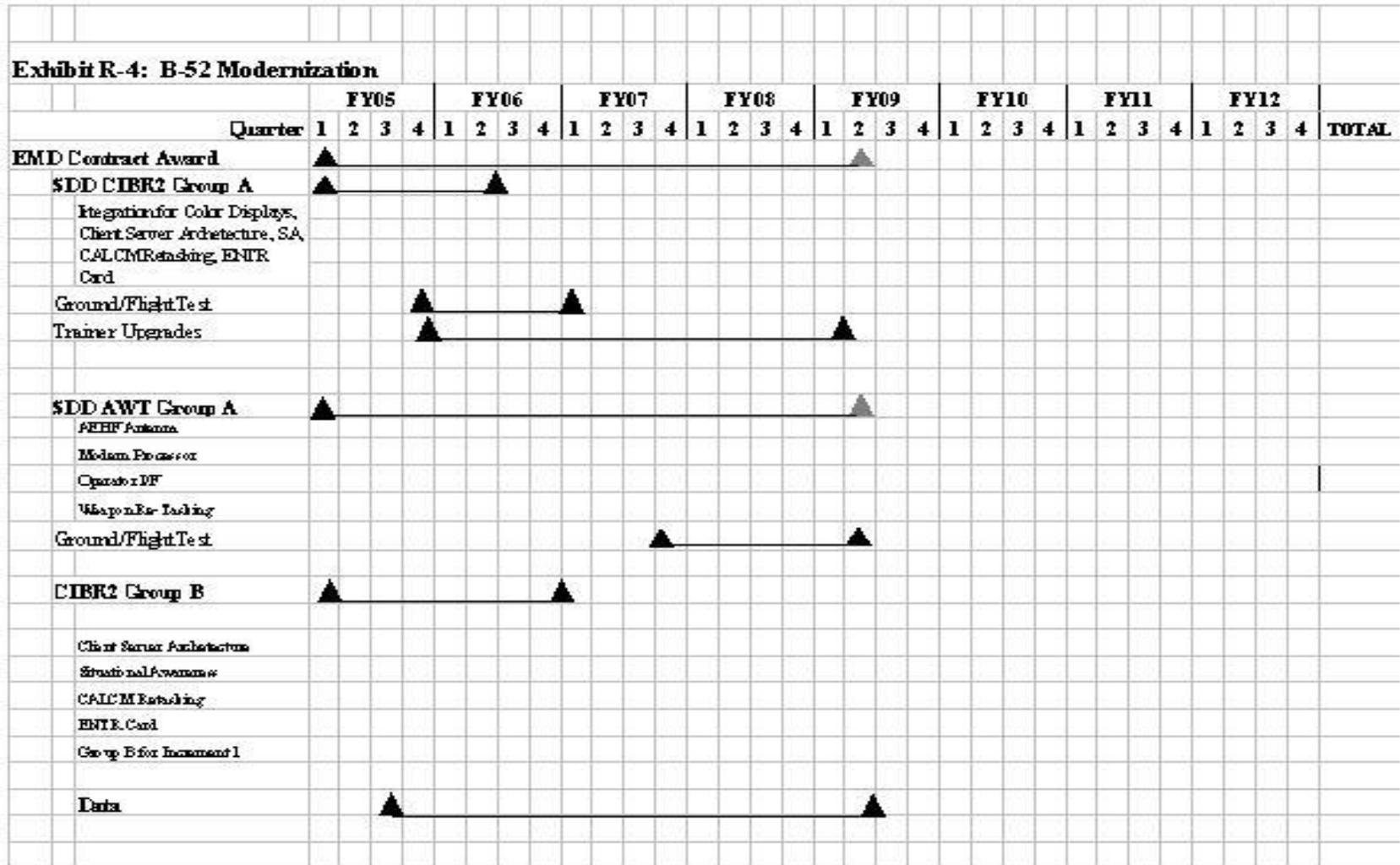
DATE

February 2004

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0101113F B-52 SQUADRONS

PROJECT NUMBER AND TITLE
5039 B-52 Modernization



UNCLASSIFIED

Exhibit R-4a, RDT&E Schedule Detail	DATE February 2004
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0101113F B-52 SQUADRONS	PROJECT NUMBER AND TITLE 5039 B-52 Modernization
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	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) <u>Schedule Profile</u>			
(U) Begin Interface Development in FY 05			1-4Q
(U) Begin Software Development in FY 05			1-4Q
(U) CIBR2 Ground and Flight Test			4Q
(U) Trainer Upgrade			4Q