Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Air Force										DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*				R-1 ITEM NOMENCLATURE PE 0603854F: *Wideband MILSATCOM (Space)*							
COST ($ in Millions)	**FY 2009 Actual**	**FY 2010 Estimate**	**FY 2011 Base Estimate**	**FY 2011 OCO Estimate**	**FY 2011 Total Estimate**	**FY 2012 Estimate**	**FY 2013 Estimate**	**FY 2014 Estimate**	**FY 2015 Estimate**	**Cost To Complete**	**Total Cost**
Total Program Element	29.520	70.650	36.123	0.000	36.123	12.847	12.549	14.615	17.579	Continuing	Continuing
644811: *Wideband Gapfiller*	9.891	52.329	17.949	0.000	17.949	0.000	0.000	0.000	0.000	0.000	412.691
644870: *Command & Control System Consolidated (CCSC)*	19.629	18.321	18.174	0.000	18.174	12.847	12.549	14.615	17.579	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Wideband Global SATCOM (WGS) System, previously known as Wideband Gapfiller Satellites, provides DoD users with high data rate military satellite communication (MILSATCOM) services in accordance with the Joint Space Management Board-approved MILSATCOM architecture (Aug 96), the Joint Requirements Oversight Council (JROC)-approved MILSATCOM Capstone Requirements Document (Oct 97), and the JROC-approved WGS Operational Requirements Document (May 00). Dual-frequency WGS satellites augment, then replace the DoD's Defense Satellite Communications Systems (DSCS) X-band service and augment one-way Global Broadcast Service Ka-band capabilities. In addition, WGS provides a new high capacity two-way Ka-band service.

WGS Block I consists of satellites 1-3. These satellites were successfuly launched on 10 Oct 07 3 Apr 09, and 5 Dec 09, respectively.

WGS Block II consists of satellites 4-6. Block II satellites will incorporate minor modifications to better support the Airborne Intelligence, Surveillance and Reconnaissance mission. Launches for satellites 4-5 are scheduled for Oct 11 and Oct 12, respectively.

A United States-Australia WGS partnership was codified 14 Nov 07. Australia provides funds needed to buy WGS-6 in exchange for access to constellation-wide resources. Launch for satellite 6 is scheduled for Mar 13.

WGS Block II Follow-on currently consists of satellites 7 and 8 with projected launches in FY16 and FY17, respectively. With the cancellation of the Transformational Satellite Communications System (TSAT) program, the Air Force is updating the Satellite Communications (SATCOM) Initial Capabilities Document (ICD), and will conduct a comprehensive Analysis of Alternatives across the MILSATCOM enterprise. The results will inform future budget cycles, to include the number of WGS satellites required to provide continuity of wideband services to military users around the world and meet increasing wideband demand.

The MILSATCOM Command and Control System-Consolidated (CCS-C) system provides integrated launch and on-orbit command and control (C2) functionality for MILSATCOM satellites. CCS-C uses modified commercial off the shelf hardware/software to control all emerging and legacy MILSATCOM systems to include Milstar,

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Air Force	DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603854F: *Wideband MILSATCOM (Space)*

DSCS, WGS, and the Advanced Extremely High Frequency (AEHF) system. CCS-C will also support the implementation of space situational awareness and new C2 training systems.

(U) Funding is in Budget Activity 4, Advanced Component Development and Prototypes, as it supports component development and prototyping for Wideband MILSATCOM.

B. Program Change Summary ($ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Previous President's Budget	52.080	70.956	0.000	0.000	0.000
Current President's Budget	29.520	70.650	36.123	0.000	36.123
Total Adjustments	-22.560	-0.306	36.123	0.000	36.123
• Congressional General Reductions		-0.306			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	-22.560	0.000	36.123	0.000	36.123

Congressional Add Details ($ in Millions, and Includes General Reductions)

	FY 2009	FY 2010
Project: 644811: *Wideband Gapfiller*		
Congressional Add: *Perform evolutionary studies*	9.891	0.000
Congressional Add Subtotals for Project: 644811	9.891	0.000
Congressional Add Totals for all Projects	9.891	0.000

Change Summary Explanation

Congress added $40M FY09 funds for WGS program sustainment and evolution. $30M of the FY09 congressional add was reprogrammed as Missile Procurement, Air Force (MPAF) to address WGS sustainment. $7.44M FY09 funds have been reprogrammed to the CCS-C program in support of the Standard Space Trainer and continued development and operations readiness due to delayed WGS SV-2 and SV-3 launch dates.

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Air Force	DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603854F: *Wideband MILSATCOM (Space)*

The FY 2010 President's Budget submittal did not reflect FY 2011 through FY2015 funding. Therefore, explanation of changes between the two budget positions cannot be made in a relevant manner.

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603854F: *Wideband MILSATCOM (Space)*	PROJECT 644811: *Wideband Gapfiller*	

COST ($ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
644811: *Wideband Gapfiller*	9.891	52.329	17.949	0.000	17.949	0.000	0.000	0.000	0.000	0.000	412.691
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Wideband Global SATCOM (WGS) System, previously known as Wideband Gapfiller Satellites, will provide the DoD with high data rate military satellite communication (MILSATCOM) services in accordance with the Joint Space Management Board-approved MILSATCOM architecture (Aug 96), the Joint Requirements Oversight Council (JROC)-approved MILSATCOM Capstone Requirements Document (Oct 97), and the JROC-approved WGS Operational Requirements Document (May 00). These dual-frequency WGS satellites will augment the DoD's Defense Satellite Communications Systems X-band service and one-way Global Broadcast Service Ka-band capabilities. In addition, WGS will provide a new high capacity two-way Ka-band service.

FY11 funds, but is not limited to, Block II Follow-on non-recurring engineering.

B. Accomplishments/Planned Program ($ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
MAJOR THRUST: Block II Follow-on Non-Recurring Engineering (NRE)	0.000	52.329	17.949	0.000	17.949
FY 2009 Accomplishments: In FY2009: N/A					
FY 2010 Plans: In FY2010: Initiate Block II Follow-on NRE, includes parts obsolescence studies and redesign/ requalification. Support Capability Insertion Program (CIP) for future capability enhancements.					
FY 2011 Base Plans: In FY2011: Continue Block II Follow-on NRE and support CIP for future capability enhancements.					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603854F: *Wideband MILSATCOM (Space)*	PROJECT 644811: *Wideband Gapfiller*

B. Accomplishments/Planned Program ($ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 OCO Plans: In FY 2011 OCO: Not applicable					
Accomplishments/Planned Programs Subtotals	0.000	52.329	17.949	0.000	17.949

	FY 2009	FY 2010
Congressional Add: Perform evolutionary studies *FY 2009 Accomplishments:* In FY2009: Conducted WGS Enhancement studies, to include Lasercom. *FY 2010 Plans:* In FY2010: N/A	9.891	0.000
Congressional Adds Subtotals	9.891	0.000

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• PE 0303600F: *WGS, MPAF*	51.628	213.440	575.711	0.000	575.711	473.356	23.103	34.937	100.334	0.000	0.000
• PE 0303600F (1): *GBS Transmit Strings, OPAF*	0.000	1.672	1.661	0.000	1.661	0.000	0.000	0.000	0.000	0.000	30.097
	19.629	18.321	18.174	0.000	18.174	12.847	12.549	14.815	17.579	0.000	0.000

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603854F: *Wideband MILSATCOM (Space)*	PROJECT 644811: *Wideband Gapfiller*

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• PE 0603854F: *Project # 644870, CCS-C, RDT&E*											

D. Acquisition Strategy

The WGS program made considerable use of commercial practices and technology in its FAR Part 12, Firm Fixed Price (FFP) acquisition for satellites 1-3. The WGS program received MS II/III approval in November 2000 and awarded a FFP contract in January 2001 (three satellites and options for an additional three). Options for satellites 4-6 were not exercised prior to the 31 December 2003 expiration date.

Since WGS-type capabilities were no longer being offered commercially, it was no longer appropriate to use a Firm Fixed Price contract for satellites 4-6. A Fixed Price Incentive Fee contract, which balances uncertainty of parts obsolescence/production gap with experience gained from WGS 1-3 production, was approved. The Not-to-Exceed letter contract was awarded for satellites 4 and 5 (with unfunded priced option for 6th satellite) in 2nd Qtr FY06. The contract definitized on 17 October 2006. All satellites are purchased with procurement funds, and the Non-Recurring Engineering (NRE) is funded with RDT&E. An updated Acquisition Strategy for the WGS Block II Follow-on satellites is in DoD coordination.

E. Performance Metrics

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603854F: *Wideband MILSATCOM (Space)*	PROJECT 644811: *Wideband Gapfiller*

Product Development ($ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block II Parts Obsolescence Redesign	SS/FPI	Boeing El Segundo CA	91.737	0.000		0.000		0.000		0.000	0.000	91.737	0.000
Block I EMD (satellites 1-3)	C/FFP	Boeing El Segundo CA	143.013	0.000		0.000		0.000		0.000	0.000	143.013	0.000
UAV Bypass NRE	SS/FFP	Boeing El Segundo CA	14.000	0.000		0.000		0.000		0.000	0.000	14.000	0.000
Payload/Production Studies	Various/ Various	Various Various	37.778	0.000		0.000		0.000		0.000	0.000	37.778	0.000
Block II Follow-on NRE	SS/FPI	Boeing El Segundo CA	0.000	49.829	Jun 2010	16.145	Dec 2010	0.000		16.145	0.000	65.974	0.000
		Subtotal	286.528	49.829		16.145		0.000		16.145	0.000	352.502	0.000

Remarks

Support ($ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Joint Terminals Engineering Office	PO	JTEO McLean, VA	6.618	0.000		0.000		0.000		0.000	0.000	6.618	0.000
Pre-EMD	Various/ Various	Various Various	5.579	0.000		0.000		0.000		0.000	0.000	5.579	0.000

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603854F: *Wideband MILSATCOM (Space)*	PROJECT 644811: *Wideband Gapfiller*

Support ($ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support	Various/ Various	Various Various	13.442	2.500	Jan 2010	1.804	Dec 2010	0.000		1.804	0.000	17.746	0.000
		Subtotal	25.639	2.500		1.804		0.000		1.804	0.000	29.943	0.000

Remarks

	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	312.167	52.329		17.949		0.000		17.949	0.000	382.445	0.000

Remarks

Total Prior Years Cost may include only FY 2009 data.

Exhibit R-4, RDT&E Schedule Profile: PB 2011 Air Force		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603854F: *Wideband MILSATCOM (Space)*	**PROJECT** 644811: *Wideband Gapfiller*

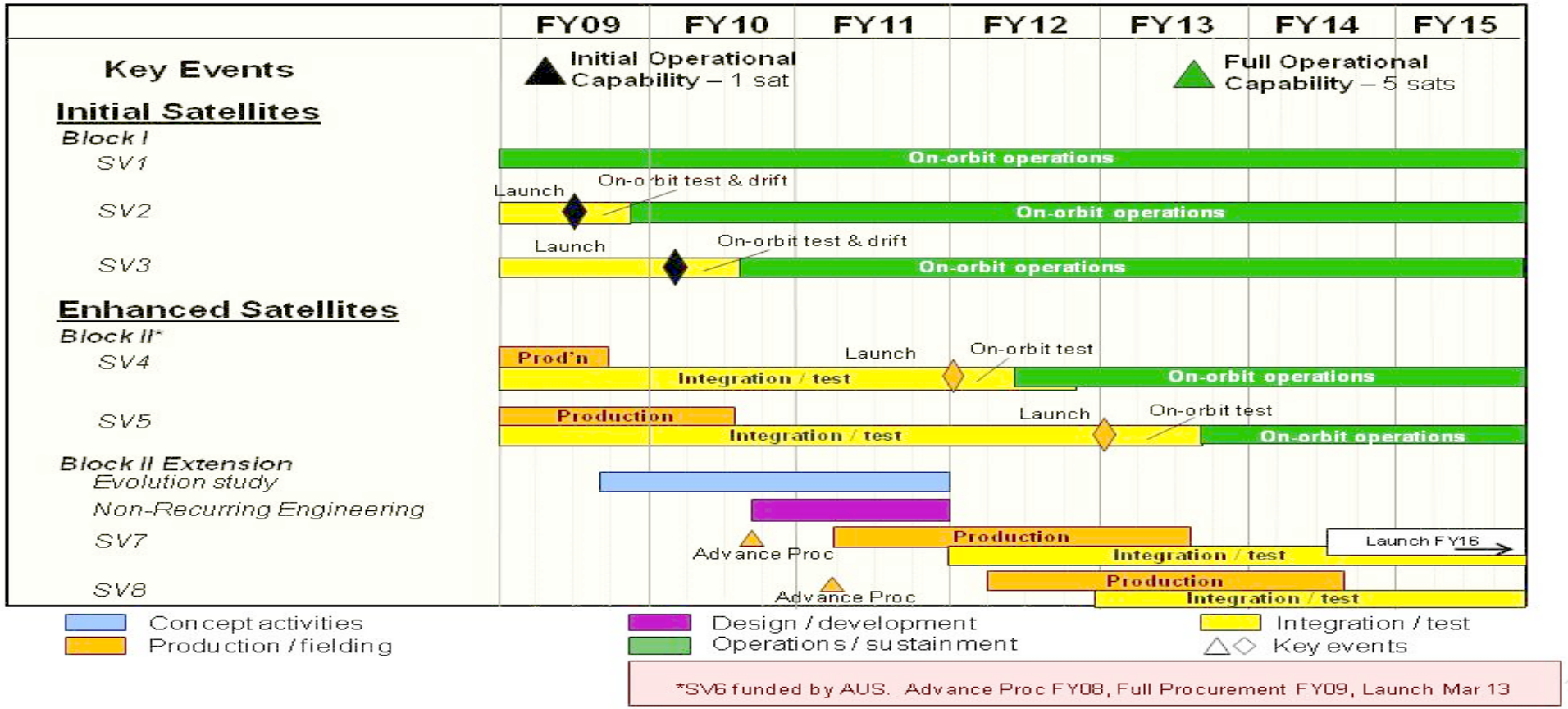

Exhibit R-4A, RDT&E Schedule Details: PB 2011 Air Force		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603854F: *Wideband MILSATCOM (Space)*	**PROJECT** 644811: *Wideband Gapfiller*

Schedule Details

	Start		End	
Event	**Quarter**	**Year**	**Quarter**	**Year**
Evolutionary Study Efforts	3	2009	3	2009
Initiate Block II Follow-on non-recurring engineering	3	2010	3	2010

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603854F: *Wideband MILSATCOM (Space)*	PROJECT 644870: *Command & Control System Consolidated (CCSC)*	

COST ($ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
644870: *Command & Control System Consolidated (CCSC)*	19.629	18.321	18.174	0.000	18.174	12.847	12.549	14.615	17.579	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Military Satellite Communications (MILSATCOM) Command and Control System-Consolidated (CCS-C) system provides integrated launch and on-orbit command and control (C2) functionality, and backup operations at Schriever AFB and Vandenberg AFB, for MILSATCOM satellites as the legacy capability provided by the Air Force Satellite Control Network (PE 0305110F) has phased out according to plan. CCS-C uses modified commercial off the shelf hardware/software to control all emerging and legacy MILSATCOM systems including Milstar, Defense Satellite Communications System (DSCS), Wideband Global SATCOM (WGS), and the Advanced Extremely High Frequency (AEHF) system, at reduced operating and maintenance costs. CCS-C will also support the implementation of space situational awarness and new C2 training systems.

FY11 funds provide required command and control capability to launch WGS and AEHF satellites.

Funding is in Budget Activity 4, ACD&P, to support software development and activation of the CCS-C installation and test facility.

B. Accomplishments/Planned Program ($ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
MAJOR THRUST: Develop and acquire satellite-specific software to support handover of on-orbit operations of WGS satellites and launch, early-orbit, and on-orbit operations of AEHF satellites.	19.629	18.321	18.174	0.000	18.174
FY 2009 Accomplishments: In FY2009: Funded handover and operations of WGS Space Vehicle-2 (SV-2), development to support handover of WGS SV-3, and initial requirements and design for replacement of the WGS Flight Dynamics System with modified CCS-C orbit analysis software. Continued development for the FY2010 launch of AEHF SV-1 and development of the Standard Space Trainer for DSCS and Milstar.					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603854F: *Wideband MILSATCOM (Space)*	PROJECT 644870: *Command & Control System Consolidated (CCSC)*

B. Accomplishments/Planned Program ($ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2010 Plans: In FY2010: Fund completion of development to support WGS SV-3 handover, initiate development to support WGS Block II satellites, continue design and develop software for replacement of the WGS Flight Dynamics System with modified CCS-C orbit analysis software. Complete development for the FY2010 launch of AEHF SV-1, prepare for launch of AEHF SV-2, and continue development of the Standard Space Trainer for DSCS and Milstar. *FY 2011 Base Plans:* In FY2011: Fund Interim Contractor Support for modifications of the WGS Block I satellite databases and software, continue development to support WGS Block II satellites, continue development of software for replacement of the WGS Flight Dynamics System with modified CCS-C orbit analysis software. Complete development for the FY2011 launch of AEHF SV-2, prepare for launch of AEHF SV-3, and continue development of the Standard Space Trainer for Milstar. *FY 2011 OCO Plans:* In FY 2011 OCO: Not applicable					
Accomplishments/Planned Programs Subtotals	19.629	18.321	18.174	0.000	18.174

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• PE Not Provided (10654): *Activity Not Provided*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

D. Acquisition Strategy

Competitive contracts with cost plus award fee options, were awarded in February 2001 to two teams to demonstrate capabilities for the concept demonstration phase. A downselect to a single team was awarded in March 2002 to develop the system for the development phase. The current contract has been extended to 2012 to provide launch readiness support to ongoing WGS and AEHF satellite development. A new contract is expected to be awarded in 2012.

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603854F: *Wideband MILSATCOM (Space)*	**PROJECT** 644870: *Command & Control System Consolidated (CCSC)*

E. Performance Metrics

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603854F: *Wideband MILSATCOM (Space)*	PROJECT 644870: *Command & Control System Consolidated (CCSC)*	

Product Development ($ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Demonstration Contractors	C/FFP	Various Various	6.800	0.000		0.000		0.000		0.000	0.000	6.800	0.000
Development Contractor: Integral Systems, Inc.	C/CPAF	Integral Systems, Inc Lanham, MD	136.678	15.924	Oct 2009	15.664	Oct 2010	0.000		15.664	Continuing	Continuing	0.000
		Subtotal	143.478	15.924		15.664		0.000		15.664			0.000

Remarks

Support ($ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CCSC Program Support Cost	TBD/TBD	TBD TBD	24.953	2.397	Oct 2009	2.510	Oct 2010	0.000		2.510	Continuing	Continuing	0.000
		Subtotal	24.953	2.397		2.510		0.000		2.510			0.000

Remarks

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603854F: *Wideband MILSATCOM (Space)*	PROJECT 644870: *Command & Control System Consolidated (CCSC)*	

	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	168.431	18.321		18.174		0.000		18.174			0.000

Remarks

Total Prior Years Cost may include only FY 2009 data.

Exhibit R-4, RDT&E Schedule Profile: PB 2011 Air Force		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603854F: *Wideband MILSATCOM (Space)*	**PROJECT** 644870: *Command & Control System Consolidated (CCSC)*

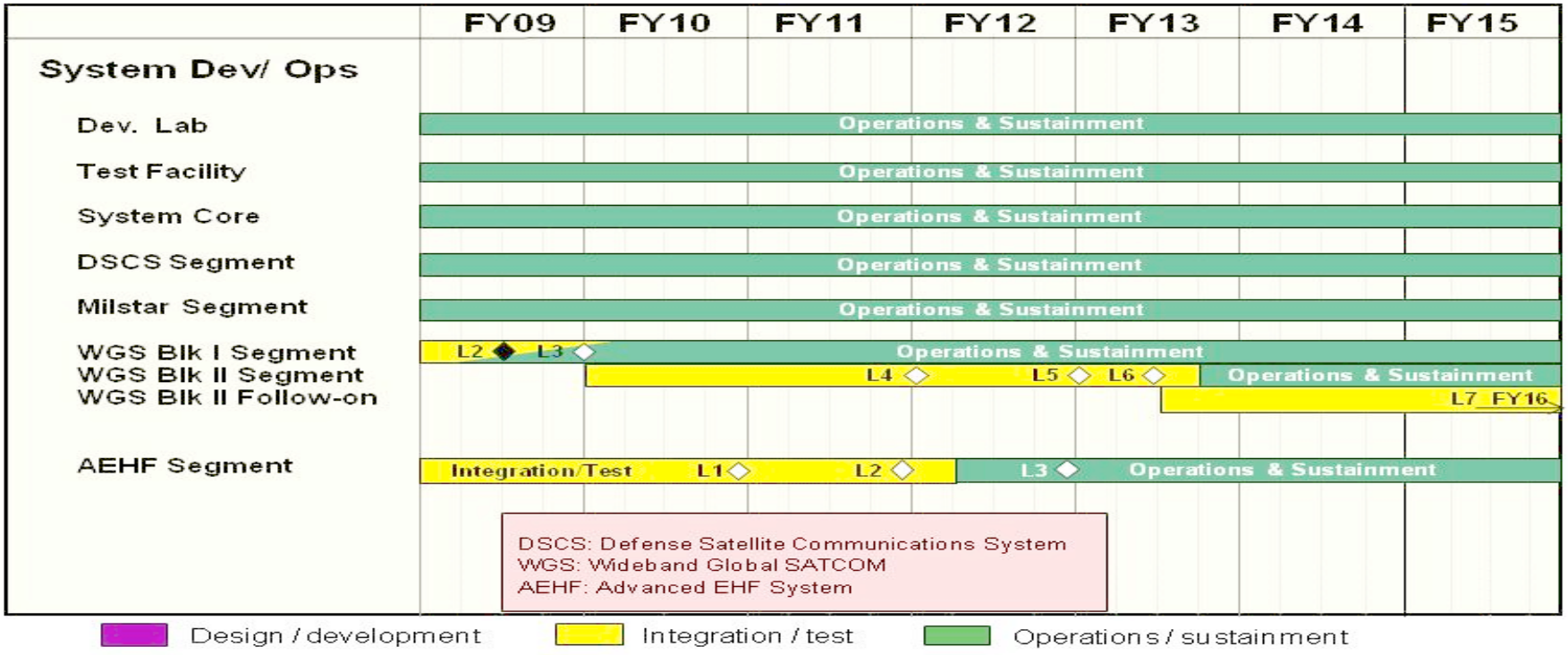

Exhibit R-4A, RDT&E Schedule Details: PB 2011 Air Force		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603854F: *Wideband MILSATCOM (Space)*	**PROJECT** 644870: *Command & Control System Consolidated (CCSC)*

Schedule Details

	Start		End	
Event	**Quarter**	**Year**	**Quarter**	**Year**
Continue AEHF Integration & Test	1	2009	4	2011
WGS 2 launch	3	2009	3	2009
Transition WGS into Sustainment	3	2009	3	2009
WGS 3 launch	1	2010	1	2010
AEHF 1 launch	4	2010	4	2010
AEHF 2 launch	4	2011	4	2011