Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

2040: Research, Development, Test & Evaluation, Army

BA 4: Advanced Component Development & Prototypes (ACD&P)

R-1 ITEM NOMENCLATURE

PE 0603308A: Army Space Systems Integration

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	53.416	118.610	27.551	0.000	27.551	33.338	31.006	19.213	19.467	Continuing	Continuing
978: SPACE CONTROL	6.776	92.617	11.858	0.000	11.858	16.920	14.058	7.425	7.372	Continuing	Continuing
990: Space and Missile Defense Integration	46.640	25.993	15.693	0.000	15.693	16.418	16.948	11.788	12.095	Continuing	Continuing

A. Mission Description and Budget Item Justification

This program element funds space systems integration efforts performed by the US Army Space and Missile Defense Command/Army Forces Strategic Command (USASMDC/ ARSTRAT). USASMDC/ARSTRAT: Headquarters, Department of the Army General Order Number 37, dated 16 October 2006, designated USASMDC/ARSTRAT as the Army proponent for space and ground-based midcourse defense (GMD), the Army integrator for global missile defense, and the Army Service Component Command of U.S. Strategic Command (USSTRATCOM). As such, USASMDC/ARSTRAT is responsible to develop warfighting concepts, conduct warfighting experiments to validate those concepts, identify capabilities needed to implement the validated concepts, and develop Doctrine, Organization, Training, Materiel, Leadership & Education, Personnel and Facilities (DOTMLPF) solutions to realize those space related capabilities. Army Regulation (AR) 10-87 Army Commands, Army Service Component Commands, and Direct Reporting Units, dated 4 September 2007 and AR 5-22 The Army Force Modernization Proponent System dated 19 August 2009 designates USASMDC/ARSTRAT as the Army specified proponent for Global Missile Defense and Space/High Altitude Capabilities. Project #978 funds Space Control capabilities which provide ground-based tactically-centric space information superiority capabilities to meet current Joint Requirements and validated Training and Doctrine Command capability gaps. Army Space Control will establish and maintain assured space data access and information superiority in support of tactical operations. In March 2009, the Army Acquisition Executive signed a Materiel Development Decision that designated Program Executive Office Intelligence, Electronic Warfare, and Sensors (PEO IEW&S) as the Milestone Decision Authority for the Space Control Materiel Development effort. In conjunction with Milestone A (May 2009), PEO IEW&S authorized program entry into the Technology Development Phase and chartered a Product Director for Tactical Data Terminals (Space) (TDT(S)) to lead the acquisition effort. The Product Office has subsequently awarded two competitive prototype contracts to retire maximum risk prior to the Engineering and Manufacturing Development Phase. Original Space Control funding was consistent with President's direction to enhance competition and DoD direction for competitive prototyping during Technology Development Phase. Failure to fund at the requested level does not allow us to continue executing consistent with this direction. Due to the \$10 million (43) percent) Congressional reduction in FY10, this R-form reflects the Program Office cancelling one of the competitive prototype contracts. Project #990 funds USASMDC/ARSTRAT to mature warfighting concepts, and validate concepts, identify capabilities needed to implement the validated concepts, and develop DOTMLPF solutions to realize those space and high altitude related capabilities. Also sustains Joint Friendly Force Tracking (J-FFT) Mission Management Center and its associated testbed for both operations and spiral development for 24/7 Friendly Force Tracking integration into a real-time common operating picture for Combatant Commanders, Joint Task Force Commanders and Coalition partners.

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

2040: Research, Development, Test & Evaluation, Army

PE 0603308A: Army Space Systems Integration

BA 4: Advanced Component Development & Prototypes (ACD&P)

B. Program Change Summary (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Previous President's Budget	47.828	117.471	121.239	0.000	121.239
Current President's Budget	53.416	118.610	27.551	0.000	27.551
Total Adjustments	5.588	1.139	-93.688	0.000	-93.688
 Congressional General Reductions 		-10.621			
 Congressional Directed Reductions 		0.000			
 Congressional Rescissions 	0.000	0.000			
 Congressional Adds 		11.760			
 Congressional Directed Transfers 		0.000			
 Reprogrammings 	6.000	0.000			
• SBIR/STTR Transfer	-0.412	0.000			
 Adjustments to Budget Years 	0.000	0.000	-93.688	0.000	-93.688

Change Summary Explanation

FY09: \$6 million reprogramming for High Altitude Airship.FY10: \$10 million Congressional reduction for project 978 Space Control; \$11.760 million increase for Congressional adds.FY11: \$93 million for Long Endurance Multi-Intelligence Vehicle moved to Program Element 0305205A.

DATE: February 2010

APPROPRIATION/BUDGET ACTI 2040: Research, Development, Test & E BA 4: Advanced Component Development	Evaluation, Ar)		NOMENCLA A: Army Spac	_	egration	PROJECT 978: SPACE	CONTROL		
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
978: SPACE CONTROL	6.776	92.617	11.858	0.000	11.858	16.920	14.058	7.425	7.372	Continuing	Continuing
Quantity of RDT&E Articles											

Note

FY 2011-2015 funding for the Long Endurance Multi-Intelligence Vehicle (LEMV) was moved from program element (PE) 0603308A to 0305205A.

A. Mission Description and Budget Item Justification

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army

Army Space Control capabilities provide ground-based tactically-centric space information superiority capabilities to meet current Joint Requirements and validated Training and Doctrine Command capability gaps. Army Space Control will establish and maintain assured space data access and information superiority in support of tactical operations.

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

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #1	0.949	0.968	0.968	0.000	0.968
Space Control - Execute Program Management for Space Superiority materiel acquisition effort.					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army	DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0603308A: Army Space Systems Integration	978: <i>SPACE</i>	CONTROL
BA 4: Advanced Component Development & Prototypes (ACD&P)			

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

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #2	1.679	4.469	5.128	0.000	5.128
Space Control - Perform risk reduction and technology maturation of sub-system and system prototype.					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #3	4.148	7.233	5.762	0.000	5.762
Space Control - Perform testing of sub-system and system prototype.					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army	DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0603308A: Army Space Systems Integration	978: <i>SPACE</i>	CONTROL
BA 4: Advanced Component Development & Prototypes (ACD&P)			

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

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #4	0.000	2.880	0.000	0.000	0.000
LEMV - Develop and maintain LEMV program plans and strategies. Program management for LEMV materiel development and acquisition planning, testing, and initial demonstration planning.					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #5	0.000	4.320	0.000	0.000	0.000
LEMV - Define LEMV system architectural requirements and coordinate with combat developer on concept of operations. Coordinate with other Services on technology development. Conduct system engineering and trade studies on viable concepts. Identify risk areas in technical performance, sustainability, cost and schedule. Develop materiel acquisition documentation to support milestone decisions and contracting actions.					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: Febr	uary 2010	
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0603308A: Army Space Systems Integr	ration	PROJECT 978: SPACE CONTROL			
B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 Base Plans: FY 2011 Base						
FY 2011 OCO Plans: FY 2011 OCO						
Program #6		0.000	5.760	0.000	0.000	0.000
LEMV - Conduct risk reduction efforts that include prototyping syste sub-elements to validate critical command and control connectivity at early in development to show successful demonstration. Engineering demonstration of sub-system interfaces, demonstrations/validations o validation of technology integration and performance objectives for s supportability related data required for development of the integrated testing will be conducted to validate technology maturity.	nd battle management functional processes testing includes characterization and f sub-subsystem functional interactions, ub-system processors, and collection of					
FY 2009 Accomplishments: FY 2009						
FY 2010 Plans: FY 2010						
FY 2011 Base Plans: FY 2011 Base						
FY 2011 OCO Plans: FY 2011 OCO						
Program #7		0.000	64.394	0.000	0.000	0.000

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army	DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)	PE 0603308A: Army Space Systems Integration	978: <i>SPACE</i>	CONTROL

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

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
LEMV - Award contract, design and fabricate platform, payload and ground station, conduct Preliminary Design Review and Critical Design Reviews, Developmental/Operational testing and sustainment.					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #8	0.000	2.593	0.000	0.000	0.000
Small Business Innovative Research/Small Business Technology Transfer Program					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army	DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0603308A: Army Space Systems Integration	978: <i>SPACE</i>	CONTROL
BA 4: Advanced Component Development & Prototypes (ACD&P)			

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

2. Treeomphishments/Flamed Frogram (\psi m Framons)			FY 2011	FY 2011	FY 2011
	FY 2009	FY 2010	Base	осо	Total
Accomplishments/Planned Programs Subtotals	6.776	92.617	11.858	0.000	11.858

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

N/A

D. Acquisition Strategy

Space Control - Retire maximum risk during Technology Development Phase through prototyping.

E. Performance Metrics

Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

PROJECT

2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P) PE 0603308A: Army Space Systems Integration

978: SPACE CONTROL

Product Development (\$ in Millions)

			_										
				FY	2010		2011 ase	FY 2	2011 CO	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
Space Control - Systems and technical architectures	C/Various	Various Location could not be determined.	0.378	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Space Control - Concept Development and Engineering Trade Studies	C/Various	Various Location could not be determined.	2.956	0.263		0.000		0.000		0.000	Continuing	Continuing	0
Space Control - Sub- system risk reduction, testing, and validation	C/Various	Various Location could not be determined.	0.000	0.821		0.276		0.000		0.276	Continuing	Continuing	0
Space Control - Design, Development and sub- system integration	C/Various	Various Location could not be determined.	0.000	6.230		4.773		0.000		4.773	Continuing	Continuing	0
LEMV - Systems and technical architectures	C/Various	Various Location could not be determined.	0.000	4.320		0.000		0.000		0.000	Continuing	Continuing	0
LEMV - Concept development and engineering trade studies	C/Various	Various Location could not be determined.	0.000	2.880		0.000		0.000		0.000	Continuing	Continuing	0
LEMV - Sub-system risk reduction, testing, and validation	C/Various	Various Location could not be determined.	0.000	5.760		0.000		0.000		0.000	Continuing	Continuing	0
LEMV - Design, development, and sub- system integration	C/Various	Various Location could not be determined.	0.000	56.394		0.000		0.000		0.000	Continuing	Continuing	0
		Subtotal	3.334	76.668		5.049		0.000		5.049			0.000

Remarks

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

PROJECT

2040: Research, Development, Test & Evaluation, Army

PE 0603308A: Army Space Systems Integration

978: SPACE CONTROL

BA 4: Advanced Component Development & Prototypes (ACD&P)

Support (\$ in Millions)

				FY 2	2010		2011 ase	FY 2	2011 CO	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
Space Control - Government support and support contracts	C/Various	Various Location could not be determined.	0.275	2.273		3.857		0.000		3.857	Continuing	Continuing	0
LEMV - Government support and support contracts	C/Various	Various Location could not be determined.	0.000	8.000		0.000		0.000		0.000	Continuing	Continuing	0
Small Business Innovative Research/Small Business Technology Transfer Programs	С	Nothing entered for Activity and Location. Location could not be determined.	0.000	2.593		0.000		0.000		0.000	Continuing	Continuing	0
			0.275	12.866		3.857		0.000		3.857			0.000

Remarks

Test and Evaluation (\$ in Millions)

				FY	2010		2011 ase	FY 2	2011 CO	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
Space Control - Test & Evaluation Support	C/Various	Various Location could not be determined.	0.250	1.949		0.928		0.000		0.928	Continuing	Continuing	0
		Subtotal	0.250	1.949		0.928		0.000		0.928			0.000

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

ACTIVITY R-1 ITEM NOMENCLATURE

PROJECT

2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)

PE 0603308A: Army Space Systems Integration

978: SPACE CONTROL

Test and Evaluation (\$ in Millions)

				FY	2010		2011 ase	FY O	2011 CO	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

Remarks

Management Services (\$ in Millions)

				FY :	FY 2010		2011 ase		2011 CO	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
Space Control - Program and Security Management	C/Various	Various Location could not be determined.	1.311	1.072		2.024		0.000		2.024	Continuing	Continuing	0
Space Control - Security Facilities Upgrade	С	Nothing entered for Activity and Location. Location could not be determined.	0.000	0.062		0.000		0.000		0.000	Continuing	Continuing	0
		Subtotal	1.311	1.134		2.024		0.000		2.024			0.000

Remarks

	Total Prior Years Cost	FY 2	2010	FY 2 Ba		-	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
	rears cost		2010	Du	30		10111	Complete	Total Cost	Contract
Project Cost Totals	5.170	92.617		11.858	0.000		11.858			0.000

Exhibit R-3, RDT&E Project Cost Analysis: PB 2	011 Army					DA	TE: Februa	ry 2010	
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, And BA 4: Advanced Component Development & Prototy				M NOMENCLATURE 308A: Army Space Syste		SPACE CO	NTROL		
	Total Prior Years Cost	FY 20	010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Remarks									

Exhibit R-4, RDT&E Schedule Profile: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

2040: Research, Development, Test & Evaluation, Army

BA 4: Advanced Component Development & Prototypes (ACD&P)

R-1 ITEM NOMENCLATURE

PE 0603308A: Army Space Systems Integration

PROJECT

978: SPACE CONTROL

]	FY 2009]	TY 2	201	0]	TY :	201	1]	FY:	201	2]	F Y 2	201	3	I	Y 2	201	4	I	FY 2	201	5	
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Materiel Development Decision (MDD)	#																											
Milestone (MS) A		#																										
Space Control - System Developmental and Operational Testing												#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
Space Control - Security Facilities Upgrade		#	#	#	#																							
LEMV - Contract Award				#	#	#																						
LEMV - Concept Development and Engineering Trade Studies				#	#	#	#	#																				
LEMV - Sub-System Risk Reduction, Testing and Validation					#	#	#	#	#	#																		
LEMV - Design, Development, and Sub-System Integration					#	#	#	#	#	#	#	#	#	#														
LEMV - System Development, Operational Testing, and Prototype Sustainment									#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	

Exhibit R-4A, RDT&E Schedule Details: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

2040: Research, Development, Test & Evaluation, Army

BA 4: Advanced Component Development & Prototypes (ACD&P)

R-1 ITEM NOMENCLATURE

PE 0603308A: Army Space Systems Integration

PROJECT

978: SPACE CONTROL

Schedule Details

	Sta	art	E	nd
Event	Quarter	Year	Quarter	Year
Materiel Development Decision (MDD)	1	2009	1	2009
Milestone (MS) A	2	2009	2	2009
Space Control - System Developmental and Operational Testing	4	2011	3	2015
Space Control - Security Facilities Upgrade	2	2009	1	2010
LEMV - Contract Award	4	2009	2	2010
LEMV - Concept Development and Engineering Trade Studies	4	2009	4	2010
LEMV - Sub-System Risk Reduction, Testing and Validation	1	2010	2	2011
LEMV - Design, Development, and Sub-System Integration	1	2010	2	2012
LEMV - System Development, Operational Testing, and Prototype Sustainment	1	2011	3	2015

Exhibit R-2A, RDT&E Project Just	tification: PB 2	011 Army							DATE: Febr	uary 2010	
APPROPRIATION/BUDGET ACT 2040: Research, Development, Test & BA 4: Advanced Component Develop)		NOMENCLA A: Army Spac	ATURE ee Systems Into	egration	PROJECT 990: Space a	and Missile De	efense Integra	tion		
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
990: Space and Missile Defense Integration	46.640	25.993	15.693	0.000	15.693	16.418	16.948	11.788	12.095	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

Headquarters Department of the Army (HQDA) General Order Number 37, dated 16 October 2006, designated USASMDC/ARSTRAT as the Army proponent for space and ground-based midcourse defense (GMD), the Army integrator for global missile defense, and the Army Service Component Command of the U.S. Strategic Command (USSTRATCOM). Army Regulation (AR) 10-87 Army Commands, Army Service Component Commands, and Direct Reporting Units, dated 4 September 2007 and AR 5-22 The Army Force Modernization Proponent System dated 19 August 2009 designates USASMDC/ARSTRAT as the Army specified proponent for Global Missile Defense and Space/High Altitude Capabilities. As such, USASMDC/ARSTRAT is responsible to develop warfighting concepts, conduct warfighting experiments to validate those concepts, identify capabilities needed to implement the validated concepts, and develop Doctrine, Organization, Training, Materiel, Leadership & Education, Personnel and Facilities (DOTMLPF) solutions to realize those space related capabilities. In recognition of the increasing interrelationship between space operations, exo-atmospheric ballistic missile defense and global missile defense, in fiscal year 2011 and out project 990 includes the efforts that were previously executed in program element 0603305A project TR4.

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

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #1	12.640	14.059	15.693	0.000	15.693
Plan, develop, and execute concepts and DOTMLPF solutions for Army exploitation of space systems, space control capabilities, ballistic missile defense and High Altitude Systems. Represent Army positions and defend Army equities relative in Joint/DoD and inter-Service activities; e.g., National Security Space Architect (NSSA) Program Assessments, etc. Develop space modernization strategies and sponsor exploration of future space, high altitude, and missile defense warfighting concepts. Sustain Joint Friendly Force Tracking (J-FFT) Mission Management Center and its associated testbed for both operations and spiral development for 24/7 Friendly Force Tracking integration into a real-time common operating picture for Combatant Commanders, Joint Task Force Commanders and Coalition partners.					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army	DATE: February 2010					
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)	PROJECT 990: Space and Missile Defense Integration					
B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2009 Accomplishments: FY 2010 Plans: FY 2010 FY 2011 Base Plans: FY 2011 Base FY 2011 OCO Plans: FY 2011 OCO						
Program #2 Includes FY09/FY10 Congressional Adds for Advanced Power Technolog Responsive Tactical Space, Geospatial Airship Research Platform (GAR Integration Testbed, High Altitude Shuttle System for Battlespace Cover HiSentinel Stratospheric Airship, Low Cost Interceptor, Missile Attack F Nanosat Missile System, Nanocomposite Enhanced Radar and Aerospace Storage, Positron Sensors and Energy Applications, Small Agile Satellite System. FY 2009 Accomplishments: FY 2010 Plans: FY 2010	P), High Altitude Airship, High Altitude age, High Fidelity Imaging System, Early Warning System, Multipurpose to Materials, Positron for Capture and	34.000	11.699	0.000	0.000	0.000

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0603308A: Army Space Systems Integration	990: <i>Space a</i>	and Missile Defense Integration
BA 4: Advanced Component Development & Prototypes (ACD&P)			

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

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 Base Plans:					
FY 2011 Base					
FY 2011 OCO Plans:					
FY 2011 OCO					
Program #3	0.000	0.235	0.000	0.000	0.000
Small Business Innovative Research/Small Technology Transfer Programs					
FY 2009 Accomplishments:					
FY 2009					
FY 2010 Plans:					
FY 2010					
FY 2011 Base Plans:					
FY 2011 Base					
FY 2011 OCO Plans:					
FY 2011 OCO					
Accomplishments/Planned Programs Subtotals	46.640	25.993	15.693	0.000	15.693

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

N/A

D. Acquisition Strategy

Program is continuous. Various performers will conduct planned accomplishments.

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army	DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY 040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0603308A: Army Space Systems Integration	PROJECT 990: Space and Missile Defense Integration
2. Performance Metrics	,	
Performance metrics used in the preparation of this justification material	I may be found in the FY 2010 Army Performance Budget	Justification Book, dated May 2010.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

2040: Research, Development, Test & Evaluation, Army

BA 4: Advanced Component Development & Prototypes (ACD&P)

R-1 ITEM NOMENCLATURE

PE 0603308A: Army Space Systems Integration

PROJECT

990: Space and Missile Defense Integration

Product Development (\$ in Millions)

				FY 2010		FY 2011 FY 2011 Base 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
Various	C/Various	Various Location could not be determined.	104.521	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Execute Congressional adds	C/Various	Various Location could not be determined.	62.705	11.699		0.000		0.000		0.000	Continuing	Continuing	0
		Subtotal	167.226	11.699		0.000		0.000		0.000			0.000

Remarks

Support (\$ in Millions)

\	,												
				FY 2010		FY :	2011 ase		2011 CO	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
GOVT SUPPORT & SUPPORT CONTRACTS	C/Various	Various in Colorado Springs CO Washington DC, and Huntsville AL	53.796	14.294		15.693		0.000		15.693	Continuing	Continuing	0
		Subtotal	53.796	14.294		15.693		0.000		15.693			0.000

Remarks

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army	DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
2040: Research, Development, Test & Evaluation, Army	PE 0603308A: Army Space Systems Integration	990: Space and Missile Defense Integration
BA 4: Advanced Component Development & Prototypes (ACD&P)		

	Total Prior Years Cost	FY 2010	FY 2 Ba	2011 ase	FY 2	-	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	221.022	25.993	15.693		0.000		15.693			0.000

Remarks