DATE: February 2011

Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Army

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE

2040: Research, Development, Test & Evaluation, Army PE 0303142A: SATCOM Ground Environment (SPACE)

BA 7: Operational Systems Development

COST (\$ in Millions)			FY 2012	FY 2012	FY 2012					Cost To	
COST (\$ III WIIIIOHS)	FY 2010	FY 2011	Base	oco	Total	FY 2013	FY 2014	FY 2015	FY 2016	Complete	Total Cost
Total Program Element	32.453	33.694	12.104	-	12.104	12.372	11.635	11.360	9.944	Continuing	Continuing
253: DSCS-DCS (PHASE II)	6.878	11.447	5.766	-	5.766	5.927	5.548	5.513	5.343	Continuing	Continuing
456: MILSATCOM SYSTEM ENGINEERING	21.555	22.247	6.338	-	6.338	6.445	6.087	5.847	4.601	Continuing	Continuing
562: MBAND INT SAT TERM MIST	4.020	-	-	-	-	-	-	-	-	0.000	4.020

#### Note

Change Summary Explanation: Funding - FY 2012: Funding realigned (\$20,819) to other Army priorities.

### A. Mission Description and Budget Item Justification

Military Satellite Communication (MILSATCOM) systems are joint program/project efforts to satisfy ground mobile requirements for each Service, the Joint Chiefs of Staff (JCS), the National Command Authority, the combatant commanders, the National Security Agency, the Office of the Secretary of Defense, and other governmental, non-DoD users. The worldwide MILSATCOM systems are: Ultra High Frequency (UHF) Follow-On Satellite System; Air Force Satellite (FLTSAT/AFSAT) system; the Mobile User Objective System (MUOS); the Super High Frequency (SHF) Defense Satellite Communications System (DSCS); the Wideband Global SATCOM (WGS); the MILSTAR Extremely High Frequency (EHF)(Low Data Rate (LDR) and Medium Data Rate (MDR); the Advanced Extremely High Frequency (AEHF); and future MILSATCOM capabilities, all of these systems are required to support legacy, interim and emerging communication space architectures and Objective Force requirements. The Army is responsible for materiel development, acquisition, product improvement, testing, fielding and integrated logistics support of ground satellite terminals and SATCOM control subsystems and all associated equipment used to provide range extension of Command, Control and Communications Systems for the Warfighter. The Army also participates in the development of MILSATCOM programs, including architectures, payloads, waveforms, antennas and terminal developments to ensure US Army equities are appropriately addressed with our sister services. This includes technology assessment efforts associated with the integration of MILSATCOM components to US Army Landwarnet This responsibility also includes maintaining the life cycle logistics support required to achieve end-to-end connectivity and interoperability, satisfying JCS Command, Control, Communications and Intelligence (C3I) in support of the President, JCS, combatant commanders, Military Departments, Departments of State, and other government Departments and Agencies.

This program is designated as a DoD Space Program.

Army Page 1 of 14 R-1 Line Item #178

Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Army		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	
2040: Research, Development, Test & Evaluation, Army	PE 0303142A: SATCOM Ground Environment (SPACE)	
BA 7: Operational Systems Development		

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	39.889	33.694	32.923	-	32.923
Current President's Budget	32.453	33.694	12.104	-	12.104
Total Adjustments	-7.436	-	-20.819	-	-20.819
<ul> <li>Congressional General Reductions</li> </ul>		-			
<ul> <li>Congressional Directed Reductions</li> </ul>		-			
<ul> <li>Congressional Rescissions</li> </ul>	-	-			
<ul> <li>Congressional Adds</li> </ul>		-			
<ul> <li>Congressional Directed Transfers</li> </ul>		-			
Reprogrammings	-6.272	-			
SBIR/STTR Transfer	-1.164	-			
<ul> <li>Adjustments to Budget Years</li> </ul>	-	-	-20.819	-	-20.819

Army Page 2 of 14 R-1 Line Item #178

Exhibit R-2A, RDT&E Project Jus	tification: PE	3 2012 Army						DATE: February 2011					
APPROPRIATION/BUDGET ACTIV	APPROPRIATION/BUDGET ACTIVITY						R-1 ITEM NOMENCLATURE PROJECT						
2040: Research, Development, Tes	PE 0303142	2A: <i>SATCON</i>	∕I Ground En	253: DSCS-	S-DCS (PHASE II)								
BA 7: Operational Systems Develo	(SPACE)												
COST (ft in Millians)			FY 2012	FY 2012	FY 2012					Cost To			
COST (\$ III WIIIIOTIS)	COST (\$ in Millions) FY 2010 FY 2011 Base		Base	oco	Total	FY 2013	FY 2014	FY 2015	FY 2016	Complete	Total Cost		
253: DSCS-DCS (PHASE II)	6.878	11.447	5.766	-	5.766	5.927	5.548	5.513	5.343	Continuing	Continuing		
Quantity of RDT&E Articles													

## A. Mission Description and Budget Item Justification

This project provides funds to develop strategic and tactical Ground Subsystem equipment and software in support of Chairman, Joint Chiefs of Staff (CJCS) validated Command, Control, Communications and Intelligence (C3I) requirements for the worldwide Defense Enterprise Wideband SATCOM System (DEWSS). DEWSS is composed of the Super High Frequency (SHF) Defense Satellite Communications System (DSCS) and Wideband Global SATCOM (WGS) programs. Expansion of the WGS constellation and upgrades to both DSCS and WGS are vital to support the Army's emerging power projection and rapid deployment role. DSCS and WGS provide Warfighters multiple channels of tactical connectivity as well as interfaces with strategic networks and national decision-makers.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
Title: Netcentic Systems Engineering and Analysis	1.857	3.874	3.166
Articles	0	0	
Description: Funding is provided for the following effort			
FY 2010 Accomplishments:			
Provided Netcentric Systems Engineering and Analysis			
FY 2011 Plans:			
Continues Netcentric Systems Engineering and Analysis			
FY 2012 Plans:			
Future Netcentric Systems Engineering and Analysis			
Title: Initiate integration and test efforts on the Remote Monitor Control Equipment (RMCE)	2.500	5.000	-
Articles	0	0	
Description: Funding is provided for the following effort			
FY 2010 Accomplishments:			
Initiated integration and test efforts on the Remote Monitor Control Equipment (RMCE)			
FY 2011 Plans:			
Continuing ntegration and test efforts on the Remote Monitor Control Equipment (RMCE)			
Title: SATCOM Engineering Lab (SEL), PM Administration and Systems Engineering Technical Assistance (SETA) efforts	2.521	2.573	2.600

Army Page 3 of 14 R-1 Line Item #178

Exhibit R-2A, RDT&E Project Justification: PB 2012 Army	DATE: February 2011	
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
2040: Research, Development, Test & Evaluation, Army	PE 0303142A: SATCOM Ground Environment	253: DSCS-DCS (PHASE II)
BA 7: Operational Systems Development	(SPACE)	

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
Articles:	0	0	
Description: Funding is provided for the following effort			
FY 2010 Accomplishments: Funded SATCOM Engineering Lab (SEL), PM Admin and Systems Engineering Technical Assistance (SETA) efforts			
FY 2011 Plans: Continuing SATCOM Engineering Lab (SEL), PM Admin and Systems Engineering Technical Assistance (SETA) efforts			
FY 2012 Plans: Future SATCOM Engineering Lab (SEL), PM Admin and Systems Engineering Technical Assistance (SETA) efforts			
Accomplishments/Planned Programs Subtotals	6.878	11.447	5.766

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

			FY 2012	FY 2012	FY 2012					Cost To	
<u>Line Item</u>	FY 2010	FY 2011	<b>Base</b>	OCO	<u>Total</u>	FY 2013	FY 2014	FY 2015	FY 2016	Complete	<b>Total Cost</b>
BB8500000: DEWSS Other	145.894	115.744	123.859		123.859		103.181	99.567	92.812	Continuing	Continuing
Procurement Army											

## D. Acquisition Strategy

The Remote Monitoring and Control Equipment (RMCE) will provide the capability to remotely operate several Control subsystems to effect WGS payload control and monitoring from a Wideband SATCOM Operations Center (WSOC) to a geographically separated earth terminal. To operate these Control subsystems remotely (Gapfiller Satellite Configuration Control Element (GSCCE), Wideband Global SATCOM Spectrum Monitoring System (WGSMS), Joint Management and Operation System (JMOS), Replacement FM Orderwire (RFMOW), Global Terrestrial Critical Control Circuit System (GTC3S) and Interference Resolution) some system non-recurring engineering modifications will be necessary. PM DCATS employs Netcentric Systems Engineering to develop the technology for new ground segment equipments which will include studies, risk mitigation, system integration and advanced demonstrations for netcentric baseband and policy based control to accommodate technology insertion, data sharing, remote operations, architecture efforts and use of commercial technology to conform to Department of Defense (DoD) requirements.

#### **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.

Army Page 4 of 14 R-1 Line Item #178

Exhibit R-4, RDT&E Schedule Profile: PB 2012 Army

APPROPRIATION/BUDGET ACTIVITY
2040: Research, Development, Test & Evaluation, Army
BA 7: Operational Systems Development

FY 2010

FY 2011

FY 2012

FY 2013

FY 2014

FY 2015

DATE: February 2011

PROJECT
253: DSCS-DCS (PHASE II)

FY 2016

		FY 2	2010	)		FY 2011			FY 2012		FY 2013		FY 2014			,	FY 2015			FY 2016			;					
	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
RMCE GSCCE																			,	,								
RMCE Integration																												

Exhibit R-4A, RDT&E Schedule Details: PB 2012 Army			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0303142A: SATCOM Ground Environment	253: DSCS	-DCS (PHASE II)
BA 7: Operational Systems Development	(SPACE)		

# Schedule Details

	St	art	End		
Events	Quarter	Year	Quarter	Year	
RMCE GSCCE	1	2010	3	2011	
RMCE Integration	1	2010	3	2011	

Army Page 6 of 14 R-1 Line Item #178

**DATE:** February 2011

APPROPRIATION/BUDGET ACTIV 2040: Research, Development, Test BA 7: Operational Systems Develop			OMENCLAT 2A: SATCOM			PROJECT 456: MILSA	CT SATCOM SYSTEM ENGINEERING				
COST (\$ in Millions)			FY 2012 Base	FY 2012 OCO	FY 2012 Total				FY 2016	Cost To Complete	Total Cost
456: MILSATCOM SYSTEM ENGINEERING	21.555	22.247	6.338	-	6.338	6.445	6.087	5.847	4.601	Continuing	Continuing
Quantity of RDT&E Articles											

### A. Mission Description and Budget Item Justification

Exhibit R-2A, RDT&E Project Justification: PB 2012 Army

`MILSATCOM System Engineering provides centralized funding for US Army participation in the joint development of MILSATCOM programs. This includes engineering, technical and Cost As An Independent Variable (CAIV) related analyses supporting architecture, payloads, network and terminal requirement and design decisions across all MILSATCOM programs

MILSATCOM System Engineering also supports experimentation and/or development of new and emerging SATCOM related technologies and standards. This includes prototyping efforts to address technology gaps identified by US Army Program of Records (POR) in the US Army Technology Transition Matrix.

FY2012 funds suppport efforts in the area of both Wideband/Commerical and Protected Communications related efforts.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
Title: Protected Advanced EHF (AEHF) Communications System Engineering	3.000	1.600	2.100
Articles:	0	0	
Description: Protected Advanced EHF (AEHF) Communications System Engineering			
FY 2010 Accomplishments: Protected Advanced EHF (AEHF) Communications System Engineering			
FY 2011 Plans: Protected Advanced EHF (AEHF) Communications System Engineering			
FY 2012 Plans:			
Protected Advanced EHF (AEHF) Communications System Engineering			
Title: Wideband Global SATCOM (WGS) Communications System Engineering and Intelligence, Surveillance, Reconnanisance	2.000	1.300	1.600
(ISR) Migration	0	0	
Articles:			
Description: Wideband Global SATCOM (WGS) Communications System Engineering			

Exhibit R-2A, RDT&E Project Justification: PB 2012 Army			DATE: Fe	bruary 2011	
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0303142A: SATCOM Ground Environment (SPACE)	PROJEC 456: MILS		STEM ENGIN	IEERING
B. Accomplishments/Planned Programs (\$ in Millions, Article C	Quantities in Each)		FY 2010	FY 2011	FY 2012
FY 2010 Accomplishments: Wideband Global SATCOM (WGS) Communications System Engir	neering				
FY 2011 Plans: Wideband Global SATCOM (WGS) Communications System Engir	neering				
FY 2012 Plans: Wideband Global SATCOM (WGS) Communications System Engir Migration	neering and Intelligence, Surveillance, Reconnanisance	e (ISR)			
<b>Title:</b> Experimentation, development, testing and certification of crit technologies.	tical SATCOM and SOTM communication and network	Articles:	3.072 0	4.000 0	1.538
<b>Description:</b> Experimentation, development, testing and certification technologies.	on of critical SATCOM and SOTM communication and	network			
FY 2010 Accomplishments:  Experimentation, development, testing and certification of critical S.	ATCOM and SOTM communication and network techr	nologies.			
FY 2011 Plans: Experimentation, development, testing and certification of critical S.	ATCOM and SOTM communication and network techr	nologies.			
FY 2012 Plans: Experimentation, development, testing and certification of critical S.	ATCOM and SOTM communication and network techr	nologies.			
<b>Title:</b> Federal Communications Commission/ International Telecom Analyses/Modifications	nmunciations Union (FCC/ITU) SOTM Regulatory Prop	osals/  Articles:	1.200 0	1.130 0	0.700
<b>Description:</b> Federal Communications Commission/ International Proposals/Analyses/Modifications	Telecommunciations Union (FCC/ITU) SOTM Regulato	ory			
FY 2010 Accomplishments: Federal Communications Commission/ International Telecommunc Analyses/Modifications	ciations Union (FCC/ITU) SOTM Regulatory Proposals/	,			
FY 2011 Plans:					

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Page 8 of 14 R-1 Line Item #178

Army

Exhibit R-2A, RDT&E Project Justification: PB 2012 Army			DATE: Fel	bruary 2011	
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0303142A: SATCOM Ground Environment (SPACE)	PROJEC 456: MIL	T SATCOM SYS	STEM ENGIN	IEERING
B. Accomplishments/Planned Programs (\$ in Millions, Article Q	uantities in Each)		FY 2010	FY 2011	FY 2012
Federal Communications Commission/ International Telecommuncial Analyses/Modifications	ations Union (FCC/ITU) SOTM Regulatory Proposals	′			
FY 2012 Plans: Federal Communications Commission/ International Telecommuncial Analyses/Modifications	ations Union (FCC/ITU) SOTM Regulatory Proposals	1			
Title: Protected Terminal COTM and Wide Area Network (WAN) Pro	ototyping	Articles:	1.500 0	2.100 0	0.400
<b>Description:</b> Protected Wide Area Network (WAN) and Terminal Pr	rototyping				
FY 2010 Accomplishments: Protected Wide Area Network (WAN) Prototyping					
FY 2011 Plans: Protected Wide Area Network (WAN) Prototyping					
FY 2012 Plans: Protected Terminal COTM and Wide Area Network (WAN) Prototypi	ing				
<b>Title:</b> Intelligence, Surveillance, Reconnanisance (ISR) POR Migrati Node (RHN) mods, Joint Management and Operations Subsystem (			1.000 0	1.500 0	-
<b>Description:</b> Intelligence, Surveillance, Reconnanisance (ISR) POF Reginal Hub Node (RHN) mods, Joint Management and Operations					
FY 2010 Accomplishments: Intelligence, Surveillance, Reconnanisance (ISR) POR Migration to (RHN) mods, Joint Management and Operations Subsystem (JMOS	<u> </u>	ub Node			
FY 2011 Plans: Intelligence, Surveillance, Reconnanisance (ISR) POR Migration to (RHN) mods, Joint Management and Operations Subsystem (JMOS		ub Node			
Title: Small Business Innovative Research/Small Business Technology	ogy Transfer Programs	Articles:	0.783 0	-	-

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Army Page 9 of 14 R-1 Line Item #178

Exhibit R-2A, RDT&E Project Justification: PB 2012 Army			DATE: February 2011
	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development	PE 0303142A: SATCOM Ground Environment (SPACE)	456: <i>MILSA</i>	ATCOM SYSTEM ENGINEERING

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
Description: Small Business Innovative Research/Small Business Technology Transfer Programs			
FY 2010 Accomplishments:			
Small Business Innovative Research/Small Business Technology Transfer Programs			
Title: Protected COTM Technical Reference Terminal Prototyping	9.000	10.617	-
Articles:	0	0	
Description: Protected COTM Technical Reference Terminal Prototyping			
FY 2010 Accomplishments: Protected COTM Technical Reference Terminal Prototyping			
FY 2011 Plans: Protected COTM Technical Reference Terminal Prototyping			
Accomplishments/Planned Programs Subtotals	21.555	22.247	6.33

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

N/A

## D. Acquisition Strategy

This project funds advanced systems engineering, research, development, test and evaluation of new and emerging technologies to optimize terminal performance and communications control. Once the technologies are mature and deemed feasible, funding and management responsibility for implementation of the technology will transition to Army PORs.

### **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.

Army Page 10 of 14 R-1 Line Item #178

Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army

APPROPRIATION/BUDGET ACTIVITY

2040: Research, Development, Test & Evaluation, Army

BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

PE 0303142A: SATCOM Ground Environment

(SPACE)

PROJECT

**DATE:** February 2011

456: MILSATCOM SYSTEM ENGINEERING

Management Services (	(\$ in Millio	ens)		FY 2	2011	FY 2 Ba	2012 se		2012 CO	FY 2012 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 Oversight	MIPR	PM WIN T:PM WIN T	0.674	0.440		0.300		-		0.300	Continuing	Continuing	Continuing
Advanced Architecture/ Advanced Wideband System Architecture	MIPR	MIT Lincoln Labs:Lexington , MA	9.924	0.750		-		-		-	Continuing	Continuing	Continuing
		Subtotal	10.598	1.190		0.300		-		0.300			

<b>Product Development</b>	lopment (\$ in Millions)				2011	FY 2012 Base			2012 CO	FY 2012 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
Protected Advanced EHF and WGS Communications Syststem Engineering	C/CPFF	Various:PM WIN T	19.351	2.169		1.000		-		1.000	Continuing	Continuing	Continuing
Experimentation, development , testing & certification of SATCOM & SOTM communciation & networking.	TBD	Various:PM WIN T	11.013	4.000		0.940		-		0.940	Continuing	Continuing	Continuing
Protected COTM Tactical Reference Terminal Prototyping and Protected Wide Area Network Prototyping	TBD	Various:PM WIN T	8.000	5.088		0.400		-		0.400	Continuing	Continuing	Continuing
FCC/ITU SOTM Regulatory Proposals/Analyses/ Modifications	MIPR	John Hopkins Universtiy Applied Physics Lab:Laurel, MD	-	-		0.700		-		0.700	Continuing	Continuing	0.000
Terminal Upgrades, SNE, Engineering Support	MIPR	General Dynamics:Tauton, MA	3.024	-		-		-		-	Continuing	Continuing	Continuing
		Subtotal	41.388	11.257		3.040		-		3.040			

Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army DATE: February 2011 APPROPRIATION/BUDGET ACTIVITY **R-1 ITEM NOMENCLATURE PROJECT** PE 0303142A: SATCOM Ground Environment 2040: Research, Development, Test & Evaluation, Army 456: MILSATCOM SYSTEM ENGINEERING BA 7: Operational Systems Development (SPACE) FY 2012 FY 2012 FY 2012 Support (\$ in Millions) FY 2011 oco Base Total **Total Prior** Contract Target Method Performing Years Award Award Award Cost To Value of **Cost Category Item Activity & Location** Cost Date Cost Date Cost Complete **Total Cost** Contract & Type Cost Date Cost Engineering (In House) MIPR Core. Matrix.: PM WIN T 19.090 2.000 1.048 1.048 Continuina Continuing Continuing **Engineering Contractors** JANUS, Linguest:PM C/CPFF 29.235 3.800 0.600 0.600 Continuing Continuing Continuing Support WIN T MIT Lincoln Labs. System Architecture & Various Lexington, MA; MITRE, 14.463 0.400 Continuing Continuing Continuing Analysis CERDEC:PM WIN T Subtotal 62.788 6.200 1.648 1.648 FY 2012 FY 2012 FY 2012 Test and Evaluation (\$ in Millions) FY 2011 Base oco Total Contract **Total Prior** Target Method Performing Years Award Award Award Cost To Value of **Cost Category Item** & Type Cost Cost Cost Cost Complete Total Cost Contract **Activity & Location** Date Date Date Cost Terminal Certification, ISR **FFRDC** Continuing Continuing MITRE:PM WIN T 0.554 0.600 0.150 0.150 Continuing POR Migration Test Support **MIPR** MATRIX:PM WIN T 19.732 1 500 0.600 0.600 Continuing Continuing Continuing CERDEC Support Testing, Certification **MIPR** Technical Testing:PM 2.500 1.500 0.600 0.600 Continuing Continuing Continuing WIN T 22.786 1.350 1.350 Subtotal 3.600

Remarks

FY 2011

22.247

FY 2012

Base

6.338

**Total Prior** 

Years

Cost

137.560

**Project Cost Totals** 

FY 2012

oco

FY 2012

Total

6.338

**Cost To** 

Complete

**Total Cost** 

Target

Value of

Contract

Exhibit R-2A, RDT&E Project Justi	ification: PE	3 2012 Army	1						DATE: Feb	ruary 2011	
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development  R-1 ITEM NOMENCLATURE PE 0303142A: SATCOM Ground E (SPACE)				vironment	PROJECT 562: MBAN	D INT SAT	TERM MIST				
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
562: MBAND INT SAT TERM MIST	4.020	-	-	-	-	-	-	-	-	0.000	4.020
Quantity of RDT&E Articles											

### A. Mission Description and Budget Item Justification

A. Mission Description and Budget Item Justification: Multi-band Integrated Satellite Terminal (MIST) funds were to develop the high capacity communications capability (HC3) for Increment 1.

The HC3 was to provide high data rate communications capabilities that would be pervasively integrated into the Army's Future Modular Force communication architecture, as well as other Service and Joint communication architectures.

As a result of recent Department of Defense (DoD) decision to terminate the Transformational Satellite Communications System (TSAT), the HC3 program has been restructured. Various risk mitigation studies and analyses will be executed with tri-service participation in order to further lower risk prior the development of a follow on satellite terminal.

FY10 was the last year of funding and the FY10 funds supported detailed studies and analyses of future MILSATCOM capabilities to support Army requirements.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
Title: Requirements process/analysis	4.020	-	-
Articles:	0		
Description: Requirements process/analysis			
FY 2010 Accomplishments: Requirements process/analysis			
Accomplishments/Planned Programs Subtotals	4.020	-	-

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

N/A

## D. Acquisition Strategy

Plans are starting to be developed for a follow on satellite terminal to support recent DoD budget decisions.

Army Page 13 of 14 R-1 Line Item #178

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Army Page 14 of 14 R-1 Line Item #178