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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Defense Information Systems Agency	DATE: February 2011
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>				PE 0303610K: <i>Teleport Program</i>							
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
Total Program Element	5.209	6.880	6.418	-	6.418	5.987	5.552	5.474	5.475	Continuing	Continuing
NS01: <i>Teleport Program</i>	5.209	6.880	6.418	-	6.418	5.987	5.552	5.474	5.475	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Department of Defense (DoD) Teleport system is a Satellite Communications (SATCOM) gateway that links the deployed warfighter to the sustaining base. It provides high-throughput, multi-band, and multi-media telecommunications services for deployed forces. The system provides centralized integration capabilities, contingency capacity, and the necessary interfaces to access the Defense Information System Network (DISN) in a seamless, interoperable, and economical manner. The Teleport system is an upgrade of satellite telecommunication capabilities at selected DoD gateways identified as Standardized Tactical Entry Point (STEP) sites. Each Teleport investment increases the warfighters' ability to communicate with a worldwide interconnected set of information capabilities, which is vital for the DoD to maintain a persistent presence among its adversaries.

The Teleport program began fielding system capabilities incrementally using a multi-generational, evolutionary development approach. Generation 1 fielded capabilities for C, X, Ku, Ultra High Frequency (UHF)-band, Extremely High Frequency (EHF) (Low Data Rate [LDR] & Medium Data Rate [MDR]) band, and integrated military Ka-band into the Teleport system. Generation 1 added Commercial Satellite Communication (COMSATCOM) and expanded the Military Satellite communication (MILSATCOM) terminal, baseband equipment, and serial circuit based network services segment capabilities to six Standard Tactical Entry Point (STEP) sites. Generation 1 (FY2002-FY2010) fielded capabilities in four Full Development Decision (FDD) events. FDD 1, completed in March 2004, implemented C, X, and Ku band capability at six sites. FDD 2, completed in November 2006, implemented UHF-band capability at four sites. FDD 3, completed in March 2007, implemented additional C, Ku, and UHF band capabilities, and added EHF and limited Internet Protocol (IP) capabilities. FDD 4, completed in August 2010, integrated military Ka-band SATCOM capabilities into Teleport. Generation 2 (FY2006-FY2010) added additional military Ka-band legacy capacity and implemented IP Net-Centric communications to increase capacity at the Teleport sites. A full deployment was recommended by DISA on December 23, 2010.

A Teleport Acquisition Decision Memorandum (ADM) dated March 2, 2010 approved the Material Development Decision (MDD) for the next increment of Teleport, Generation 3. The current Teleport Generation 3 Production Acquisition Program Baseline (APB) was signed September 13, 2010. The baseline is based on the three Generation 3 phases, satellite availability, and user availability for testing.

Phase 1: Gateway Advanced Extremely High Frequency (AEHF) [Extended Data Rate (XDR)] terminals. This enhancement provides the President, Secretary of Defense, and Combatant Commanders with survivable, anti-jam communications through all peacetime and combat operations.

Phase 2: Gateway Wideband Global SATCOM X/Ka-band terminals. This enhancement provides deployed commanders with sufficient bandwidth to rapidly transmit the largest video and data products to the battlefield warfighter, including Unmanned Aerial Vehicle (UAV) streaming video, digital imagery intelligence, and mapping and weather products and services.

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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303610K: <i>Teleport Program</i>
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Phase 3: Mobile User Objective System (MUOS) to Legacy ultra high frequency systems interoperability. This enhancement allows tactical warfighters, using the most capable and cost effective narrowband capabilities, to communicate with users possessing outdated technology until those legacy systems are replaced.

Mobile User Objective System (MUOS) Legacy Gateway Component (MLGC): The MLGC program will provide the capability to interconnect all services between legacy UHF satellite systems and the MUOS. To sustain the current UHF SATCOM constellation capabilities, the MUOS satellites will also offer a legacy UHF communications payload that will provide capabilities to existing deployed UHF terminals. This will provide the warfighter a voice and data communications bridge between these satellite systems and maritime, airborne, and ground mobile tactical operators.

Mobile User Objective System to Defense Switched Network (DSN): The MUOS to DSN project will allow MUOS users the ability to place secure but unclassified calls within the DSN network. Currently, MUOS users can only place secure classified calls to DSN users which only make up approximately 3% of the DSN users. The MUOS to DSN project will also enable the warfighter to place a secure but unclassified call to any DSN user. A reduction in funding would impact design and development efforts. Without this capability, warfighters in the field environment, will have limited communication ability with the DSN network. Specifically, warfighters using the MUOS radio will be limited to placing calls to only DSN users with secure telephones.

Generic Discovery Server Enclave: The purpose of the Generic Discovery Server (GDS) Enclave effort is to provide a dynamic discovery service capability for non-secret security enclaves (Cipher Text and Plain Text addresses). Presently, dynamic discovery services are only being provided for Secret-US only enclave. A decrease in funding will impact project initiation and testing. Without the GDS capability, the need for warfighters to communicate mission or information updates rapidly with thousands of unclassified users will be jeopardized.

B. Program Change Summary (\$ in Millions)	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012 Base</u>	<u>FY 2012 OCO</u>	<u>FY 2012 Total</u>
Previous President's Budget	5.217	6.880	6.824	-	6.824
Current President's Budget	5.209	6.880	6.418	-	6.418
Total Adjustments	-0.008	-	-0.406	-	-0.406
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-0.008	-	-0.406	-	-0.406

Change Summary Explanation

The FY 2010 reduction of -\$0.008 million is due to the shifting of priorities to meet new Departmental goals.

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The FY 2012 reduction of -\$0.406 million is due to planned program adjustments (-\$0.056) and shifting of priorities in support of Departmental efficiencies initiatives (-\$0.350).		

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Defense Information Systems Agency								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0303610K: Teleport Program				PROJECT NS01: Teleport Program			
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
NS01: Teleport Program	5.209	6.880	6.418	-	6.418	5.987	5.552	5.474	5.475	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
The Mobile User Objective System (MUOS) is the next generation Department of Defense (DoD) Ultra High Frequency (UHF) SATCOM system that will provide the warfighter with modern worldwide mobile communication services, utilizing the Code Division Multiple Access (CDMA) waveform, for use in the military UHF SATCOM band. To sustain the current UHF SATCOM constellation capabilities, the MUOS satellites will also offer a legacy UHF communications payload that will provide capabilities to existing deployed UHF terminals. The MLGC program will provide the capability to interconnect all services between legacy UHF satellite systems and the MUOS. This will provide the warfighter the voice and data communications bridging these satellite systems supporting maritime, airborne, and ground mobile tactical operations. Without Phase 1, the warfighter will not have access to using the most high-speed, secure, and interoperable voice, data, and video networks. Without Phase 2, Teleport and other gateway sites will have insufficient capacity to fully utilize the advance Wideband Global SATCOM (WGS) capabilities. Without Phase 3, MUOS will not be interoperable with existing UHF SATCOM equipment and Tactical users deployed in harm's way will be unable to efficiently communicate with one another and their commanders through existing legacy systems. Without the MLGC program, all military forces operating with legacy radios will be unable to communicate with warfighters equipped with the MUOS capable services.											
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: Teleport Program							5.209	6.880	6.418	-	6.418
FY 2010 Accomplishments: (\$5.209) Technology Refresh and Generation 3 (\$4.909): Continued Teleport's technology refreshment schedule to upgrade net-centric baseband and IP modem software and firmware, evaluated Teleport's Management & Control strategy to enhance security, upgraded DISN service enhancements, and UHF integrated waveform upgrades. System Engineer Program Management (SEPM) efforts clearly defined the Generation 3 Phase 1 enhancement in all Statutory and Regulatory acquisition documentation required for a favorable decision that occurred in August 2010. All documentation has been staffed for signature approval within the Office Secretary of Defense (OSD). MUOS (\$0.300): Developed all program documentation requirements. Achieved Milestone B and released RFP.											
FY 2011 Plans: (\$6.880) Technology Refresh and Generation 3 (\$6.100): Funding will allow the program to continue a technology refreshment schedule designed to support Gens 1 and 2 fielded capabilities and complete an											

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B. Accomplishments/Planned Programs (\$ in Millions)				FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
evaluation of the existing Teleport Management & Control System (TMCS) which enhances security. SEPM efforts will continue the program's acquisition plan to purchase Commercial-Off-The-Shelf (COTS) and Government-Off-The-Shelf (GOTS) equipment to integrate Gen 3 Phase 1 and Phase 2 with the system's architectural design. Additional Network Management Terminals (NMTs) will be purchased and prepared for testing at the Joint Satellite Communications Engineering Center (JSEC) in 2QFY11. In addition, preparation will begin for the installation of six Terminals at two Teleport sites. The program will prepare acquisition documentation for Gen 3 Phase 2 to refresh end-of-life Defense Satellite/Secure Communication System (DSCS) terminals with Maintenance Evaluation Teams (METs) to allow them to remain interoperable with WGS X/Ka-band users. MUOS to DISN (\$0.300): MUOS-to-Legacy will develop initial design and implementation of the MUOS to UHF system. MLGC (\$0.370): The MLGC program will continue to mature the vendor design, conduct a Management & Control maturity demonstration, and conduct Preliminary and Critical Design Reviews to demonstrate the systems' readiness for delivery. GDS Enclave (\$0.110): will initiate a design for a dynamic discovery service capability for non-secret security enclaves (Cipher Text and Plain Text addresses). FY 2011 increase of +\$1.671 is funding for SEPM that will support Teleport technology refreshment to include JIPM, upgrades to net-centric baseband and IP modem software and firmware, continue deployment of TMCS Build 5.0 to enhance security, DISN service enhancements, and UHF integrated waveform upgrades. In FY 2011, SEPM efforts continue by providing users of the current UHF system an improved service and complete interoperability with the MUOS legacy payload to ensure a smooth transition to the next generation of mobile user equipment. The program will also continue with insertion of technology refreshment enhancements. Final tests for MUOS-DISN will be completed for initial operational capability at two sites; the third site will begin installation and test. Site preparations and installation begins for AEHF (XDR) Terminals and baseband equipment. MUOS-to-Legacy installation and test begins at the TPO test lab. And TPO installation planning begins on the fourth enhancement, WGS X/Ka Terminals. FY 2012 Base Plans: (\$6.418) Technology Refresh and Generation 3 (\$5.408): Funding will allow the program to continue a technology refreshment schedule designed to support Gen 1 and 2 fielded capabilities and install a refined Management & Control system. Conduct final tests for MUOS-DISN for initial operational capability at two Teleport sites. Continue site preparations and installation for AEHF (XDR) Terminals and baseband equipment. MUOS-to-Legacy installation and test begins at the TPO test lab. MUOS to DISN (\$0.400): MUOS-to-Legacy will also develop initial design and implementation of the MUOS to UHF system. MLGC (\$0.470): Funding will be used to fund program office support, support a Milestone C decision and address any technical issues								

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B. Accomplishments/Planned Programs (\$ in Millions)						FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	
discovered during the installation and testing of the two EDMs. GDS Enclave (\$0.140): Continue to mature a dynamic discovery service capability for non-secret security enclaves (Cipher Text and Plain Text addresses).											
The decrease of -\$0.462 is due to a lower level of effort required to test our technical refresh/sustainment capabilities, and completion of two out of three Generations 3 Milestone C decisions by mid FY 2012.											
Accomplishments/Planned Programs Subtotals						5.209	6.880	6.418	-	6.418	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	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
• O&M, DW/PE0303610K: O&M, DW	10.046	19.827	18.265	12.678	30.943	18.451	18.648	19.718	19.902	Continuing	Continuing
• Procurement, DW/PE0303610K: Procurement, DW	69.431	78.227	54.743	0.000	54.743	47.838	47.058	47.122	47.060	Continuing	Continuing
D. Acquisition Strategy											
The Teleport Program Office (TPO) utilizes the DoD preferred evolutionary acquisition approach to acquire COTS and modified COTS equipment when possible. The two TPO procuring agencies, Program Manager Defense Communications and Army Transmission Systems (PM DCATS), and the Space and Naval Warfare Systems Command (SPAWAR) provide direct contracting support. Required assistance from other Departments including Army, Navy, and Air Force is acquired by the use of Military Interdepartmental Purchase Request (MIPR) for both organic and contracted support. The TPO maximizes the use of performance-based contracts and requires contractors to establish and manage specific earned value data to mitigate risk and monitor deviations from cost, schedule, and performance objectives. Performance is evaluated thorough Post-award contract reviews, performance assessment during quarterly program reviews. The MUOS to Legacy Gateway Component (MLGC) program will use various contract types to employ the vendor best suited to delivery the program's capabilities to the warfighter.											
E. Performance Metrics											
Teleport manages and tracks its cost and schedule performance parameters using a tailored Earned Value Management System (EVMS) process, integrating the program plan, the program schedule, Work Breakdown Structure (WBS), and financial data. Progress is monitored/documented monthly showing percentages complete for schedule and cost. Formal updates with changes to the schedule are documented against the program baseline.											
1) Teleport has integrated Ka (8 legacy links) and IP over SATCOM capability that dynamically allocates satellite bandwidth using existing commercial-off-the-shelf (COTS) IP modems (Generation 2 Phase 1) as well as integrated open standard IP modems (Digital Video Broadcast-Satellite (2nd generation)/Return Channel via Satellite (DVB-S2/RCS) hubs. FY2010: As of 4QFY10 Gen 2 implementation is 100 percent complete; waiting final Ka terminal commissioning and all sites are											

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commissioned. FY2011: As of 4QFY2010, the TPO has resolved 58 percent (18 of 31) of the Transient Maintenance Items (TMI) for Generation 2. The remaining TMI are targeted for resolution by 4QFY2011. One hundred percent completion for Generation 2 upgrades is targeted for 1QFY2011. Performance metrics for Generation 3 will be established after this increment has an approved baseline in March 2011. 2) Throughput of 500 (nominal Mbps per site) for satellite communications and 319 Mbps for DISN. Maintain load levels and quality of service for users during transition period. Perform technology refreshment of existing COTS hardware & software. FY2010: As of 4QFY10 Gen 2 implementation is 100% complete and all sites are commissioned; awaiting final Ka terminal commissioning. FY2011: One hundred percent completion for Generation 2 upgrades is targeted for 1QFY2011. Performance metrics for Generation 3 will be established after this increment has an approved baseline in the March 2011 timeframe. 3) Access to C, X, Ku, UHF, EHF, and Ka bands. Provide sustainment/technology refresh to upgrade: (1) Net-centric baseband Performance Enhancing Proxies (2) net-centric modem software and firmware, and (3) EHF baseband hardware and software. Will complete DISN service enhancements. FY2010: As of 4QFY10 implementation is 80% complete, coverage exists where satellites are available. FY2011: Generation 2 upgrades 100% completion targeted for 1QFY2011. Performance metrics for Generation 3 will be established after this increment has an approved baseline in the March 2011 timeframe.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Defense Information Systems Agency **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303610K: <i>Teleport Program</i>	PROJECT NS01: <i>Teleport Program</i>
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Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		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
Engineering Technical & Design Services	Various	TBD:TBD	-	-		0.110		-		0.110	Continuing	Continuing	Continuing
MUOS to DSN Engineering Technical & Design Services	Various	TBD:TBD	-	-		0.370		-		0.370	Continuing	Continuing	Continuing
Government Engineering Services	MIPR	SPAWAR Atlantic :Charleston, SC	-	0.003	Mar 2010	-		-		-	Continuing	Continuing	Continuing
Engineering Services	C/CPFF	STF LTD. :Fredericksburg, VA	-	0.297	Mar 2010	-		-		-	Continuing	Continuing	Continuing
Engineering Services	MIPR	SPAWAR Atlantic:Charleston, SC	-	-		0.300		-		0.300	Continuing	Continuing	Continuing
Subtotal			-	0.300		0.780		-		0.780			

Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		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 Office Support	C/FFP	BAH:McLean, VA	30.027	3.510	Apr 2011	3.304	Apr 2012	-		3.304	Continuing	Continuing	Continuing
Program Office Support	SS/CPFF	SAIC:Falls Church, VA	0.166	0.069	Apr 2011	0.071	Apr 2012	-		0.071	Continuing	Continuing	Continuing
Program Office Support	C/CPAF	STF:Fredericksburg, VA	3.270	0.537	Sep 2010	0.553	Sep 2011	-		0.553	Continuing	Continuing	Continuing
Program Office Support	MIPR	SPAWAR:DCATS	1.221	2.464		1.710		-		1.710	Continuing	Continuing	Continuing
Subtotal			34.684	6.580		5.638		-		5.638			

Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		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
Testing Support Services	MIPR	JITC:Ft. Huachuca	7.234	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			7.234	-		-		-		-			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Defense Information Systems Agency									DATE: February 2011					
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				Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals				41.918	6.880		6.418		-		6.418			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Defense Information Systems Agency										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>					R-1 ITEM NOMENCLATURE PE 0303610K: <i>Teleport Program</i>					PROJECT NS01: <i>Teleport Program</i>			

	FY 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
Generic Discovery Server																												
Acquisition Documentation																												
Key Decision Point (MS B Equivalent)																												
Contract Award																												
PDR																												
CDR																												
Software/Hardware Development																												
Factory Testing																												
Key Decision Point (MS C Equivalent)																												
Installation																												
T&E (DT/OT)																												
Upgrades																												
MUOS to Defense Switched Network																												
Acquisition Documentation																												
Key Decision Point (MS B Equivalent)																												
Contract Award																												
PDR																												
CDR																												
Software/Hardware Development																												
Factory Testing																												
Key Decision Point (MS C Equivalent)																												
Installation																												
T&E (DT/OT)																												
Upgrades																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Defense Information Systems Agency							DATE: February 2011			
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	FY 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
<i>MUOS to Legacy Gateway Component</i>																												
MLGC Contract award				■																								
PDR							■																					
CDR							■																					
Phase 1 Testing – Vendor Site											■																	
Phase 2 Testing – First Article Testing												■																
Phase 3 Operational Assessment – Northwest												■																
Ms C Decision															■													
<i>Teleport Program</i>																												
Generation One-IOC4 Testing	■																											
Generation One-IOC4 (Ka Integration)				■																								
Generation Two-(Net-centric Capability) DT/OT&E	■																											
Generation Two-FOC							■																					
Technology Refresh-Generation Three																												
Generation Three-MDD		■																										
Generation Three-Phase 1 MS C AEHF XDR				■																								
Generation Three-Phase 2 Milestone C WGS X/Ka												■																
Generation Three-Phase 3 Milestone C MUOS – Legacy																■												
Generation Three-Phase 3 FDD MUOS - Legacy																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Defense Information Systems Agency			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303610K: <i>Teleport Program</i>	PROJECT NS01: <i>Teleport Program</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Generic Discovery Server</i>				
Acquisition Documentation	1	2011	1	2011
Key Decision Point (MS B Equivalent)	2	2011	2	2011
Contract Award	2	2011	2	2011
PDR	3	2011	3	2011
CDR	1	2012	1	2012
Software/Hardware Development	3	2012	3	2012
Factory Testing	3	2012	3	2012
Key Decision Point (MS C Equivalent)	4	2012	4	2012
Installation	1	2013	1	2013
T&E (DT/OT)	2	2013	2	2013
Upgrades	1	2014	1	2014
<i>MUOS to Defense Switched Network</i>				
Acquisition Documentation	1	2011	1	2011
Key Decision Point (MS B Equivalent)	2	2011	2	2011
Contract Award	2	2011	2	2011
PDR	3	2011	3	2011
CDR	1	2012	1	2012
Software/Hardware Development	3	2012	3	2012
Factory Testing	3	2012	3	2012
Key Decision Point (MS C Equivalent)	4	2012	4	2012
Installation	1	2013	1	2013

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Defense Information Systems Agency **DATE:** February 2011

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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
T&E (DT/OT)	2	2013	2	2013
Upgrades	1	2014	1	2014
<i>MUOS to Legacy Gateway Component</i>				
MLGC Contract award	4	2010	4	2010
PDR	2	2011	2	2011
CDR	3	2011	3	2011
Phase 1 Testing – Vendor Site	2	2012	2	2012
Phase 2 Testing – First Article Testing	4	2012	4	2012
Phase 3 Operational Assessment – Northwest	4	2012	4	2012
Ms C Decision	2	2013	2	2013
<i>Teleport Program</i>				
Generation One-IOC4 Testing	1	2010	1	2010
Generation One-IOC4 (Ka Integration)	4	2010	4	2010
Generation Two-(Net-centric Capability) DT/OT&E	1	2010	1	2010
Generation Two-FOC	2	2011	2	2011
Technology Refresh-Generation Three	2	2010	2	2014
Generation Three-MDD	2	2010	2	2010
Generation Three-Phase 1 MS C AEHF XDR	4	2010	4	2010
Generation Three-Phase 2 Milestone C WGS X/Ka	2	2012	2	2012
Generation Three-Phase 3 Milestone C MUOS – Legacy	2	2013	2	2013
Generation Three-Phase 3 FDD MUOS - Legacy	3	2014	3	2014

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