Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy										DATE: February 2012	
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*				R-1 ITEM NOMENCLATURE PE 0603261N: *Tactical Airborne Reconnaissance*							
COST ($ in Millions)	**FY 2011**	**FY 2012**	**FY 2013 Base**	**FY 2013 OCO**	**FY 2013 Total**	**FY 2014**	**FY 2015**	**FY 2016**	**FY 2017**	**Cost To Complete**	**Total Cost**
Total Program Element	6.755	5.944	5.301	-	5.301	1.189	1.253	1.220	1.310	Continuing	Continuing
2467: *UAV Conops*	5.102	4.371	5.301	-	5.301	1.189	1.253	1.220	1.310	Continuing	Continuing
2910: *Joint Tech Center/System Integ Lab*	1.653	1.573	-	-	-	-	-	-	-	0.000	3.226

A. Mission Description and Budget Item Justification

This program element funds efforts to develop Concept of Operations in support of the Navy's overall Unmanned Aircraft System (UAS) strategy integrating UASs into the Chief of Naval Operations Navy Vision of Sea Power 21 (Sea Shield, Sea Strike, Sea Basing, and FORCEnet). Also funds Navy's contribution supporting the Joint Technology Center/System Integration Laboratory providing experimentation for Unmanned Aerial Vehicle technology assessment, insertion, demonstration, transfer, as well as simulation and exercise support.

B. Program Change Summary ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	6.452	5.978	5.997	-	5.997
Current President's Budget	6.755	5.944	5.301	-	5.301
Total Adjustments	0.303	-0.034	-0.696	-	-0.696
• Congressional General Reductions	-	-0.034			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.350	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	-0.697	-	-0.697
• Rate/Misc Adjustments	-	-	0.001	-	0.001
• Congressional General Reductions Adjustments	-0.047	-	-	-	-

Change Summary Explanation

Technical: Not applicable.

Schedule: Not applicable.

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603261N: *Tactical Airborne Reconnaissance*	PROJECT 2467: *UAV Conops*	

COST ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
2467: *UAV Conops*	5.102	4.371	5.301	-	5.301	1.189	1.253	1.220	1.310	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Naval Unmanned Aircraft Systems (UAS) Strategy employs a family of UASs to perform tactical, persistent and penetrating Intelligence, Surveillance, and Reconnaissance in support of Naval and Joint missions from forward bases/platforms and naval ships.

In support of the Navy's overall UAS strategy, this program develops Concept of Operations (CONOPS) that integrate UASs into the Chief of Naval Operations Navy Vision of Sea Power 21 (Sea Shield, Sea Strike, Sea Basing, and FORCEnet). By providing fleet input based on current operations with UASs in a simulated combat environment, this CONOPS development investment is the foundation of how the Carrier Strike Group and the Expeditionary Strike Group will operate a combined Manned and Unmanned Naval Air Force. This program establishes the common architecture, including Command & Control, for all unmanned systems to support and inform CONOPS development. This effort provides for a cross-program view of Naval Unmanned Systems and is the entry point for OSD and other services for commonality and interoperability. Specifically:

- Provides studies and demonstrations in support of the Naval UAS Family of Systems (FoS) CONOPS development.
- Horizontally integrates across the Naval UAS FoS for the Naval Aviation Enterprise through interoperability and common system solutions.
- Develops the Naval UAS FoS Architecture to support integration into the Naval Unmanned Systems Cross Functional Team.
- Provides Naval support for development of Standards across Department of Defense (DoD) UASs and North Atlantic Treaty Organization, emphasizing standardization and interoperability.
- Conducts CONOPS studies, demonstrations, and exercises for Vehicle Control, Targeting, and weapons, sensor, and payload employment.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Title: Studies and Demonstrations	0.885	0.602	0.801
Articles:	0	0	0
Description: Studies and demonstrations to develop CONOPS for manned-unmanned integration of UAS and aircraft systems. Build a UAS simulation environment for Modeling and Simulation of common UAS components in representative battlespace architectures.			
FY 2011 Accomplishments: Continue development of the UAS simulation environment.			
FY 2012 Plans: Continue development of the UAS modeling and simulation of Fleet CONOPS Scenarios.			
FY 2013 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603261N: *Tactical Airborne Reconnaissance*	PROJECT 2467: *UAV Conops*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Continue with ongoing FY12 efforts.			
Title: Shipboard CONOPS	0.500	0.500	0.500
Articles:	0	0	0
Description: Conduct studies, demonstrations, and exercises. Validate the Naval Interoperability Profiles. ***FY 2011 Accomplishments:*** Prototyped common Naval Unmanned Systems control system architecture. ***FY 2012 Plans:*** Conduct studies, demonstrations, and exercises to validate the Naval Interoperability profiles. ***FY 2013 Plans:*** Continue with ongoing FY12 efforts.			
Title: Engineering and Program Support	0.904	0.881	0.924
Articles:	0	0	0
Description: Provide government engineering support, program office travel, and contract support services for Naval Unmanned Systems Cross Functional Team, OSD Unmanned Aircraft Systems (UAS) task force and other services on common UAS solutions. ***FY 2011 Accomplishments:*** Provided government engineering support, program office travel, and contract support services for OSD UAS task force and other services on common UAS solutions. ***FY 2012 Plans:*** Provide government engineering support, program office travel, and contract support services for Naval Unmanned Systems Cross Functional Team, OSD UAS task force and other services on common UAS solutions. ***FY 2013 Plans:*** Provide government engineering support, program office travel, and contract support services for Naval Unmanned Systems Cross Functional Team.			
Title: NATO Standardization Agreements and Interoperability	1.163	1.161	1.076
Articles:	0	0	0

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603261N: *Tactical Airborne Reconnaissance*	PROJECT 2467: *UAV Conops*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Description: Conduct Concept of Operations studies for interoperability and development of standards across Naval Unmanned Systems and NATO emphazing standardization and interoperability. Continue to develop Unmanned System Interoperability profiles and Navy implementation conventions for Naval UAS Family of Systems Architecture. ***FY 2011 Accomplishments:*** Continue Concept of Operations (CONOPS) studies for interoperability and development of standards across Naval Unmanned Systems and NATO emphazing standardization and interoperability. Continue to develop Unmanned System Interoperability profiles and Navy implementation conventions for Naval Unmanned Aircraft Systems (UAS) Family of Systems (FoS) Architecture. ***FY 2012 Plans:*** Continue development of stadards across Naval Unmanned Systems and NATO emphasizing standardization and interoperablity. Continue to develop Unmanned System Interoperability profiles and Navy implemenation conventions for Naval UAS FoS Architecture. ***FY 2013 Plans:*** Continue with ongoing FY12 efforts.			
Title: Architecture Support /Common Ground Station ***Articles:*** ***Description:*** Develop a Joint Service revision and configuration management of UAS interoperability profiles and Joint Common Ground Station Architecture and related government engineering support. ***FY 2011 Accomplishments:*** Supported the revision and configuration management of UAS interoperability profiles and Joint Common Ground Station Architecture and related government engineering support. ***FY 2012 Plans:*** Continue with ongoing FY11 efforts. ***FY 2013 Plans:*** Continue with ongoing FY12 efforts.	1.650 0	1.227 0	2.000 0
Accomplishments/Planned Programs Subtotals	5.102	4.371	5.301

C. Other Program Funding Summary ($ in Millions)

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603261N: *Tactical Airborne Reconnaissance*	PROJECT 2467: *UAV Conops*

D. Acquisition Strategy

The program office will leverage existing Government facilities (e.g., Joint Technology Center/System Integration Laboratory and Naval UAS Program of Record assets as available) to develop and demonstrate Naval UAS CONOPS. Government engineering support will be used for Modeling and Simulation efforts.

E. Performance Metrics

UAS operations and interoperability for systems delivered to the warfighter are continually improved upon increasing the level of integration, standardization and effective employment in maritime battle space dominance.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603261N: *Tactical Airborne Reconnaissance*	PROJECT 2467: *UAV Conops*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development	SS/FP	AAI:Hunt Valley, MD	2.800	-		-		-		-	0.000	2.800	2.800
Ship Integration	C/CPFF	L-3 Titan:Marlton, NJ	7.012	0.807	Jan 2012	1.167	Jan 2013	-		1.167	0.000	8.986	8.459
Systems Engineering	WR	NAWCAD:Pax River, MD	2.332	0.179	Dec 2011	0.424	Dec 2012	-		0.424	Continuing	Continuing	Continuing
		Subtotal	12.144	0.986		1.591		-		1.591			

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support	Various	Various:Various	13.365	0.323	Jan 2012	0.280	Jan 2013	-		0.280	Continuing	Continuing	Continuing
Software Development	MIPR	JTC/SIL:Redstone Arsenal, AL	5.808	1.227	Mar 2012	2.000	Mar 2013	-		2.000	Continuing	Continuing	Continuing
Studies & Analysis	WR	NAWCWD:China Lake, CA	2.436	0.394	Dec 2011	-		-		-	Continuing	Continuing	Continuing
Studies & Analysis	WR	NAWCAD:Pax River, MD	2.981	0.178	Dec 2011	0.423	Dec 2012	-		0.423	Continuing	Continuing	Continuing
		Subtotal	24.590	2.122		2.703		-		2.703			

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Interoperability	WR	NAWCWD:China Lake, CA	2.402	0.225	Dec 2011	-		-		-	Continuing	Continuing	Continuing
		Subtotal	2.402	0.225		-		-		-			

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603261N: *Tactical Airborne Reconnaissance*	PROJECT 2467: *UAV Conops*

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Engineering Support	Various	Various:Various	5.196	0.437	Dec 2011	0.424	Dec 2012	-		0.424	Continuing	Continuing	Continuing
Program Management Support	Various	Various:Various	2.460	0.559	Dec 2011	0.533	Dec 2012	-		0.533	Continuing	Continuing	Continuing
Travel	WR	NAVAIR HQ:Pax River, MD	0.419	0.042	Nov 2011	0.050	Nov 2012	-		0.050	Continuing	Continuing	Continuing
		Subtotal	8.075	1.038		1.007		-		1.007			

Remarks

Travel contract type is TO.

	Total Prior Years Cost	FY 2012 Cost	FY 2012	FY 2013 Base Cost	FY 2013 Base	FY 2013 OCO Cost	FY 2013 OCO	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	47.211	4.371		5.301		-		5.301			

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603261N: *Tactical Airborne Reconnaissance*	**PROJECT** 2467: *UAV Conops*

Exhibit R-4A, RDT&E Schedule Details: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603261N: *Tactical Airborne Reconnaissance*	**PROJECT** 2467: *UAV Conops*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
UAV CONOPS				
Unmanned Aircraft System (UAS) Targeting: Unmanned Aircraft System (UAS) Targeting	1	2011	2	2011
Weapons and Payload Employment: Weapons and Payload Employment	1	2011	4	2011
Task and Manning Assessment: Task and Manning Assessment	1	2011	4	2011
Standards Based Interoperability: Standards Based Interoperability	1	2011	4	2017
UASs Family of Systems and Shipboard Interoperability: UASs Family of Systems and Shipboard Interoperability	1	2011	4	2017

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603261N: *Tactical Airborne Reconnaissance*	PROJECT 2910: *Joint Tech Center/System Integ Lab*	

COST ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
2910: *Joint Tech Center/System Integ Lab*	1.653	1.573	-	-	-	-	-	-	-	0.000	3.226
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Joint Technology Center/Systems Integration Laboratory (JTC/SIL) is a center of technical excellence to support Unmanned Aircraft Systems (UAS) programs within the services. The mission includes Service-specific and Joint Command, Control, Communications, Computers and Intelligence, Surveillance, and Reconnaissance (C4ISR) programs throughout Department of Defense (DoD). JTC/SIL provides a Government test bed for interoperability, rapid prototyping, technology insertion and transition, systems engineering, modeling/simulation, training and C4ISR optimization. The cornerstone of JTC/SIL's diverse tool set is the Multiple Unified Simulation Environment (MUSE), which is the DoD's simulation/training system of choice for many UAS and Intelligence Surveillance and Reconnaissance (ISR) systems, and to some degree, surrogate UAS ground stations, when actual UAS ground stations are unavailable.

The Services and Warfighting Commanders have a requirement for the capability to train with a system that provides a real-time simulation environment containing multiple intelligence systems that can be integrated with larger force-on-force simulations. The MUSE creates a realistic operational environment which supports the ability to assess military utility, architecture and Concept of Operations development, and Tactics, Techniques, and Procedures refinement, conduct emerging concepts experimentation, and optimize C4ISR within warfighting exercises and experiments. It is the preferred simulation system used by the Combat Commanders and Joint Services to support command and battle staff C4ISR training, there is no better alternative to satisfy those requirements.

The MUSE also creates a realistic operational environment that supports: an embedded training capability for multiple Program Managers, tools to minimize acquisition and life cycle cost and schedule impacts, the ability to conduct emerging concepts experimentation, future systems exploration, systems integration, and technology insertion, applications for Joint and Service-specific warfighting exercises and C4ISR optimization.

MUSE is currently in use within all services and most unified commands simulating Predator, Global Hawk (RQ-4), Extended Range Multi-Purpose, Hunter, and Shadow (RQ-7) UAS, national and commercial satellite collectors, P-3, Joint Surveillance Target Attack Radar, and the U-2. During warfighting exercises, the JTC/SIL integrates imagery simulations with associated C4ISR systems to support execution of critical imagery processes. For those assets normally not available for training, the JTC/SIL provides surrogate systems and interfaces. Distributed training environments, virtually linking participants from various locations worldwide, are routinely supported within the MUSE architecture. The MUSE is also used as a mission rehearsal tool for current, on-going military combat operations.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Title: MUSE Development	0.779	0.777	-
Articles:	0	0	

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603261N: *Tactical Airborne Reconnaissance*	PROJECT 2910: *Joint Tech Center/System Integ Lab*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Description: Multiple Unified Simulation Environment (MUSE) creates a realistic operational environment which supports the ability to assess military utility, architecture and Concept of Operations development, Tactics, Techniques, and Procedures refinement, conduct emerging concepts experimentation, and Command, Control, Communications, Computers and Intelligence, Surveillance, and Reconnaissance optimization within warfighting exercises and experiments. ***FY 2011 Accomplishments:*** Developed multi-echelon MUSE Unmanned Aircraft System and manned Intelligence, Surveillance, and Reconnaissance integrated training environments that incorporate command and staff and initial qualification and proficiency trainers. Maintained MUSE simulation capability to support major exercises and demonstrations. Continued development of Laser Designator, Laser Range finding, Autotrack, Weaponization, enhanced Synthetic Aperture Radar, and Ground Moving Target Indicator capability. Upgraded National Space Assets enhancements, Command, Control, Communications, Computers and Intelligence enhancements, and enhancements to the Vignette Planning and Rehearsal Software. ***FY 2012 Plans:*** Continues those efforts ongoing but not yet completed from FY11.			
Title: Engineering and Maintenance ***Articles:*** ***Description:*** Maintenance, Licenses and Equipment Purchases to include the day-to-day maintenance of laboratory equipment, license maintenance and license renewals from vendors for individual pieces of equipment, purchases of equipment to support the MUSE, and purchases to upgrade the MUSE capability. ***FY 2011 Accomplishments:*** Provided for the continued maintenance and required equipment purchases and upgrades to support the MUSE. ***FY 2012 Plans:*** Continues the maintenance and upkeep of the MUSE facility.	0.500 0	0.500 0	-
Title: Program Management ***Articles:*** ***Description:*** Includes government management, contracts administration, cost accounting, configuration management, laboratory administrative support, Multiple Unified Simulation Environment architecture development, property management/accountability, and equipment procurement. ***FY 2011 Accomplishments:***	0.374 0	0.296 0	-

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603261N: *Tactical Airborne Reconnaissance*	PROJECT 2910: *Joint Tech Center/System Integ Lab*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Provided for the continued Laboratory Sustainment with government management and overhead support services, architecture development and equipment purchases. ***FY 2012 Plans:*** Continues Laboratory Sustainment with government management and overhead support services, architecture development and equipment purchases.			
Accomplishments/Planned Programs Subtotals	1.653	1.573	-

C. Other Program Funding Summary ($ in Millions)

N/A

D. Acquisition Strategy

Established for the DoD family of Unmanned Aircraft Systems (UAS) as a center of technical excellence for tactical, medium altitude endurance and future UASs to provide a cost-effective testbed for UAS technology assessment, insertion, demonstration, and transfer. Joint Technology Center/Systems Integration Laboratory (JTC/SIL) technical experts serve as facilitators of action for Program Executive Offices and UAS Program Managers as well as the respective users and prime contractors.

E. Performance Metrics

Improve the assessment of military utility, Tactics, Techniques and Procedures and Command, Control, Communications, Computers and Intelligence, Surveillance, and Reconnaissance optimization through realistic training of command and battle staffs.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603261N: *Tactical Airborne Reconnaissance*	PROJECT 2910: *Joint Tech Center/System Integ Lab*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development	MIPR	JTC/SIL:Redstone Arsenal, AL	2.622	1.277	Mar 2012	-		-		-	0.000	3.899	
		Subtotal	2.622	1.277		-		-		-	0.000	3.899	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Engineering Support	MIPR	JTC/SIL:Redstone Arsenal, AL	0.742	0.296	Dec 2011	-		-		-	0.000	1.038	
		Subtotal	0.742	0.296		-		-		-	0.000	1.038	

	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	3.364	1.573		-		-		-	0.000	4.937	

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603261N: *Tactical Airborne Reconnaissance*	**PROJECT** 2910: *Joint Tech Center/System Integ Lab*

Exhibit R-4A, RDT&E Schedule Details: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603261N: *Tactical Airborne Reconnaissance*	**PROJECT** 2910: *Joint Tech Center/System Integ Lab*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Joint Tech Center/System Integ Lab				
Multiple Unified Simulation Environment Support to Unmanned Aircraft System Developers: Simulation Support	1	2011	4	2012