

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Office of Secretary Of Defense	DATE: April 2013
---	-------------------------

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603923D8Z: <i>Coalition Warfare</i>
---	---

COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	11.389	11.398	9.842	-	9.842	12.438	12.359	11.927	12.158	Continuing	Continuing
P923: <i>Coalition Warfare</i>	-	11.389	11.398	9.842	-	9.842	12.438	12.359	11.927	12.158	Continuing	Continuing

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

Note

CWP Budget rephased, with \$1.53M moved out of the FY14 budget and into the FY15 and FY16 budgets.

A. Mission Description and Budget Item Justification

Current U.S. military strategy and the global security environment make coalition warfare and multinational operations fundamental features of the U.S. national security strategy. Coalitions provide a broad base of technological, operational, and logistical support for military operations and ease the U.S. financial and manpower burdens associated with meeting military goals and objectives. U.S. strategic guidance confirms that coalitions and relationships with international partners are high priorities for the nation and the Department of Defense.

The Coalition Warfare Program (CWP) responds to this guidance while striving to deliver new and improved capabilities to the warfighter. CWP provides seed funding to DoD organizations to conduct cooperative research, development, test, and evaluation (RDT&E) projects with foreign government partners. It is the only Office of the Secretary of Defense (OSD) program dedicated to initiating cooperative RDT&E projects with allied and partner nations. CWP seed funding is leveraged against funding from other U.S. government sponsors and foreign partners. In its twelve-year history, CWP has leveraged \$3.1 of other U.S. funding for every \$1 it has invested in cooperative projects and \$4.4 of foreign partner funding for every \$1 investment.

CWP projects enable Project Teams to move a technology into the next stage of development or prepare for transition to operational forces. These projects may also form the basis for future cooperation with our international partners. CWP projects support DoD acquisition by helping program offices convert U.S.-only projects into coalition solutions for the U.S. warfighter, influencing coalition interoperability in major programs that will have far-reaching use by U.S. forces, addressing requirements of combined operations early in a program's development cycle to avert risks to joint/coalition operations and avoid costs associated with adding requirements later in the acquisition process, enabling U.S. DoD access to leading-edge global technology, and providing significant cost savings to the DoD while maintaining a strong research and development base.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Office of Secretary Of Defense	DATE: April 2013
---	-------------------------

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603923D8Z: <i>Coalition Warfare</i>
---	---

B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	12.434	11.398	11.495	-	11.495
Current President's Budget	11.389	11.398	9.842	-	9.842
Total Adjustments	-1.045	0.000	-1.653	-	-1.653
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments	-1.045	-	-1.653	-	-1.653

Change Summary Explanation

The FY 2014 decrease was due to funding other higher priority programs within AT&L.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Office of Secretary Of Defense										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 ITEM NOMENCLATURE PE 0603923D8Z: Coalition Warfare				PROJECT P923: Coalition Warfare			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
P923: Coalition Warfare	-	11.389	11.398	9.842	-	9.842	12.438	12.359	11.927	12.158	Continuing	Continuing
Quantity of RDT&E Articles												
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
Current U.S. military strategy and the global security environment make coalition warfare and multinational operations fundamental features of the U.S. national security strategy. Coalitions provide a broad base of technological, operational, and logistical support for military operations and ease the U.S. financial and manpower burdens associated with meeting military goals and objectives. U.S. strategic guidance confirms that coalitions and relationships with international partners are high priorities for the nation and the Department of Defense.												
The Coalition Warfare Program (CWP) responds to this guidance while striving to deliver new and improved capabilities to the warfighter. CWP provides seed funding to DoD organizations to conduct cooperative research, development, test, and evaluation (RDT&E) projects with foreign government partners. It is the only Office of the Secretary of Defense (OSD) program dedicated to initiating cooperative RDT&E projects with allied and partner nations. CWP seed funding is leveraged against funding from other U.S. government sponsors and foreign partners. In its twelve-year history, CWP has leveraged \$3.1 of other U.S. funding for every \$1 it has invested in cooperative projects and \$4.4 of foreign partner funding for every \$1 investment.												
CWP projects enable Project Teams to move a technology into the next stage of development or prepare for transition to operational forces. These projects may also form the basis for future cooperation with our international partners. CWP projects support DoD acquisition by helping program offices convert U.S.-only projects into coalition solutions for the U.S. warfighter, influencing coalition interoperability in major programs that will have far-reaching use by U.S. forces, addressing requirements of combined operations early in a program's development cycle to avert risks to joint/coalition operations and avoid costs associated with adding requirements later in the acquisition process, enabling U.S. DoD access to leading-edge global technology, and providing significant cost savings to the DoD while maintaining a strong research and development base.												
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2012	FY 2013	FY 2014
Title: Previous Year Continuing Projects										9.420	5.130	0.000
Description: Program provided additional funding to projects that began in earlier selection cycles.												
FY 2012 Accomplishments: Projects completed efforts in areas such as: a physics-based mission planning tool to direct the selection and placement of electromagnetic sensors for tunnel detection: an extensible capability of performing distributed federated query and information dissemination across a network of distributed, disparate data and information sources; and a hybrid power source capable of												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Office of Secretary Of Defense		DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 ITEM NOMENCLATURE PE 0603923D8Z: Coalition Warfare		PROJECT P923: Coalition Warfare
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
producing 150 watts of continuous power for powering military devices and charging military rechargeable batteries in a small, lightweight package. FY 2013 Plans: Continuation of efforts that will result in delivery of: an improved small directional battlefield antenna; a portable power system utilizing renewable energy; fused data from sensor networks to characterize the ionosphere over the African continent; and a satellite angular mapping tool to characterize coastlines for targeting and for shore assault operations technologies.				
Title: FY14 Project Selections Description: Program will conduct competitive nomination process to identify new projects. FY 2014 Plans: FY14 projects will be selected based on COCOM, Service, Joint Staff, OSD, and DoD Agency priorities and requirements.		0.000	0.000	5.500
Title: Blast Propagation Through Failed Blast Door in Tunnel Description: Develop and validate a new fast running model for blast propagation through failing blast doors in tunnels to be used to predict weapons effects beyond blast doors (BDs) in tunnels FY 2013 Plans: Development of the fast running model (FRM) for blast doors using high fidelity physics based (HFPB) calculations to scope the test event, and run an array of HFPB calculations to form a computational database from which to develop the FRM. FY 2014 Plans: Validating fast running model.		0.000	0.500	0.500
Title: Coalition Wideband Waveform Development Description: A multinational project to procure a secure wideband networking waveform, modify it as needed to meet the agreed upon specification, and deliver this waveform on a radio platform that coalition partners can test against to verify interoperability as they port to their own national Software Defined Radios (SDRs). FY 2013 Plans: Creation of Coalition Wideband Waveform Crypto Algorithm. FY 2014 Plans: Waveform/Crypto Integration, COTS Waveform assessment.		0.000	0.800	0.250
Title: Dualband Pointer and Illuminator System		0.600	0.000	0.000

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Office of Secretary Of Defense		DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0603923D8Z: Coalition Warfare	PROJECT P923: Coalition Warfare		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
Description: To develop a near infrared (NIR) and shortwave infrared (SWIR) Dualband Pointer and Illuminator System that will complement the Clip-On Shortwave Imager (COSI), for augmented night vision goggle applications. FY 2012 Accomplishments: Requirements analysis and prototype development.				
Title: International Collaborative Development of Enhanced (ICODE) Maritime Domain Awareness (MDA) Description: ICODE-MDA will confront maritime threats to the U.S. and coalition allies by developing an open source library of advanced analysis tools (“software widgets”) that will work in concert with established MDA portals and Common Operating Pictures. FY 2013 Plans: Collaboratively develop and test tools for the analysis of MDA data, including but not limited to: automated imagery analysis, anomaly detection and behavioral analysis, data fusion, and monitoring, control and surveillance automation. FY 2014 Plans: Further develop and test tools and integrate them into web-portals. Conduct collaborative sea tests to evaluate and update tools accordingly.		0.000	0.500	0.500
Title: Nonlinear Energy Harvester for Low Frequency Vibrations Embedded in Low Frequency Background Noise Description: Develop Micro Electrical Mechanical Systems (MEMS) which is a micro-scale vibrational energy harvester capable of operating at low frequency in the presence of low frequency band-limited noise. FY 2013 Plans: Modeling of randomly driven nonlinear oscillators. Conducting simulations. Design of readout circuits and prototype(s) testing.		0.000	0.600	0.000
Title: Incorporation of Magnesium Backing Plate for Improved Body Armor Description: This project will yield a body armor design with enhanced protection against small caliber threats as well as ergonomic improvements through the inclusion and integration of a lightweight, ultrahigh strength magnesium alloy backing plate. FY 2013 Plans: Purchase of materials, computational modeling, and ballistic testing of test panels. FY 2014 Plans: Purchase of additional material and additional ballistic testing.		0.000	0.275	0.275
Title: Multi-functional Earpiece		0.225	0.225	0.000

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Office of Secretary Of Defense		DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603923D8Z: <i>Coalition Warfare</i>	PROJECT P923: <i>Coalition Warfare</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013
Description: Provide a Soldier with a Multi-functional Earpiece that will mitigate hearing injuries, enhance situational awareness, and help identify potential harmful injuries due to blast or blunt exposure on the battlefield. FY 2012 Accomplishments: Design and development of the microelectromechanical systems accelerometer. FY 2013 Plans: Hearing protection testing and validation of amplification and acceleration monitor.			
Title: NASIC Project Description: An offline PED suite to process data. FY 2013 Plans: Develop hardware. FY 2014 Plans: Hardware validation		0.000	0.500
Title: High-Fidelity RF-over-Fiber Link for Improved Interoperability of C4ISR Systems Description: Develop a radio frequency (RF)-over-fiber link fiber-optic cable prototype that suppresses optical noise effects so as to create a low-noise, broadband, and light-weight communications solution for C4ISR systems. FY 2013 Plans: Purchase equipment. Design, construct, and optimize prototype. FY 2014 Plans: Continued prototype development. Purchase additional equipment.		0.000	0.225
Title: Solar Solutions for Soldier Nano-Grids Description: Advancement and integration of photovoltaic technology and conformal batteries with wearable energy harvesting and nano-grid platforms to produce an optimized, integrated platform to reduce the human and logistical burdens associated with soldier power mission requirements. FY 2012 Accomplishments: Prototype design. FY 2013 Plans:		0.100	0.110
			0.000

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Office of Secretary Of Defense		DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603923D8Z: <i>Coalition Warfare</i>	PROJECT P923: <i>Coalition Warfare</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013
Prototype testing.			
Title: Submarine Anti-Jam GPS Enhancement Description: Provide GPS anti-jam antenna system for submarines to support missions dependent on GPS position and timing. FY 2012 Accomplishments: Initial design and development of production representative prototypes. FY 2013 Plans: Delivery of prototypes. Cooperative land, air, and sea testing.		0.150	0.410
Title: Spectrum Management Interoperability and Electronic Warfare (EW) Analysis Description: Advance the spectrum data exchange mechanism and evaluate Electronic Warfare (EW) capabilities. FY 2013 Plans: Collaboratively define the interoperability spectrum data and begin development of the format for data exchange. FY 2014 Plans: Finalize the development of the data exchange software tool. Validate through simulations.		0.000	0.145
Title: Small Scalable Kinetic Weapon Description: Conduct systems engineering trade study and hardware-in-the-loop ground test of integrated, unmanned aerial system launched, small, low collateral damage, munition with scalable effects warhead and an electro-optic seeker. FY 2013 Plans: Provide specifications and designs. Prepare the hardware-in-the-loop facility. FY 2014 Plans: Finish hardware-in-the-loop facility preparations and execute the test objectives.		0.000	0.500
Title: Transatlantic Collaborative Biological Resiliency Demonstration (TaCBRD) Bio-detector Development (Test and Evaluation) Description: System maturation and testing of novel standoff biological agent detector that identifies the presence of multiple biological agents. FY 2013 Plans: Two chamber release tests to identify required system improvements. FY 2014 Plans:		0.000	0.150

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Office of Secretary Of Defense		DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603923D8Z: <i>Coalition Warfare</i>	PROJECT P923: <i>Coalition Warfare</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013
Two field release tests and additional system improvements.			
Title: Coalition Warfare Program (CWP) Support Description: Program funds contractors to support CWP program management, which includes: ensuring CWP projects are consistent with the policies and principles articulated in Department of Defense directives and regulations; monitoring project progress toward goals and objectives as well as tracking project budget execution; providing assessment of program status and risk to higher authorities; briefing and providing recommendations to the Director, International Cooperation concerning new and continuing CWP projects; supporting periodic CWP meetings to foster international cooperation and improve U.S. interoperability with foreign partners; supporting CWP proposal selection process and coordinating financial activities at the OUSD(AT&L) level; briefing program stakeholders on the status of CWP projects and interoperability initiatives; educating Combatant Command, Service, Agency, and OSD personnel about the CWP and the opportunity to improve coalition interoperability. FY 2012 Accomplishments: Contractor provided management support of the CWP, to include evaluating proposals for FY13 funding, attending RDT&E meetings and events, and monitoring and managing projects' technical and financial performance. On-site contractor support reduced by 33% due to Efficiency Defense-wide cut. FY 2013 Plans: Contractor will continue to provide management support of the CWP, to include evaluating proposals for FY14 funding, attending RDT&E meetings and events, and monitoring and managing projects' technical and financial performance. FY 2014 Plans: Contractor will continue to provide management support of the CWP, to include evaluating proposals for FY15 funding, attending RDT&E meetings and events, and monitoring and managing projects' technical and financial performance.		0.527	0.554
Title: Interoperability and Collaboration Initiatives Description: Program provides funds in support of new or planned acquisition programs with the aim of 1) promoting coalition interoperability early in the requirements or technical development phases, 2) harmonizing common goals between U.S. and foreign partners, 3) improving management of collaborative efforts. Funds support workshops, risk reduction efforts, standards development, architecture analysis, and information management initiatives. FY 2012 Accomplishments: Program funded efforts aimed at improving U.S. interoperability with foreign partners and improving collaborative project processes. FY 2013 Plans:		0.367	0.774
			0.718

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Office of Secretary Of Defense		DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>		R-1 ITEM NOMENCLATURE PE 0603923D8Z: <i>Coalition Warfare</i>	PROJECT P923: <i>Coalition Warfare</i>
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013
Program will fund efforts aimed at improving U.S. interoperability with foreign partners and improving collaborative project processes.			
FY 2014 Plans: Program will fund efforts aimed at improving U.S. interoperability with foreign partners and improving collaborative project processes.			
Accomplishments/Planned Programs Subtotals		11.389	11.398
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy The Combatant Commands, Services, Defense Agencies, and the Office of the Secretary of Defense nominate candidate projects on an annual basis. CWP provides selected projects one to two years of funding. The Program selects projects that address DoD priorities and meet the needs and requirements specified by the Joint Staff and the Combatant Commanders. Projects have equitable contributions from international partners, strong potential for transition, and contribute to allied interoperability and/or meet a user need.			
E. Performance Metrics After successful completion of the competitive nomination process, initial project funding is dependent on receipt of project documentation, which includes financial information, project plan, description of project team, etc. Continued project funding is dependent on compliance with CWP requirements, which include: adequate progress toward each project's stated goals, timely reporting on financial status and project activities, provision of updated project plans and charts, and progress towards transition goals.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Office of Secretary Of Defense													DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>							R-1 ITEM NOMENCLATURE PE 0603923D8Z: <i>Coalition Warfare</i>				PROJECT P923: <i>Coalition Warfare</i>				

Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Coalition Warfare Program Project Product Development Costs	Various	Various Activities:Various Locations	-	7.660		8.519		5.863		-		5.863	Continuing	Continuing	
Subtotal			0.000	7.660		8.519		5.863		0.000		5.863			

Remarks
Typical costs include engineering services, hardware procurement and development, and software development.

Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Coalition Warfare Program Project Support Costs	Various	Various Activities:Various Locations	-	0.215		0.296		0.088		-		0.088	Continuing	Continuing	
Subtotal			0.000	0.215		0.296		0.088		0.000		0.088			

Remarks
Typical costs include project management, program analysis and support, and strategic planning.

Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Coalition Warfare Program Project Test and Evaluations Costs	Various	Various Activities:Various Locations	-	2.220		1.427		2.057		-		2.057	Continuing	Continuing	
Subtotal			0.000	2.220		1.427		2.057		0.000		2.057			

Remarks
Support and execution related to developmental test and evaluation, and related analysis.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Office of Secretary Of Defense												DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>						R-1 ITEM NOMENCLATURE PE 0603923D8Z: <i>Coalition Warfare</i>				PROJECT P923: <i>Coalition Warfare</i>				

Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Coalition Warfare Program Project Management Services Costs	Various	Various Activities:Various Locations	-	1.294		1.156		1.834		-		1.834	Continuing	Continuing	
Subtotal			0.000	1.294		1.156		1.834		0.000		1.834			

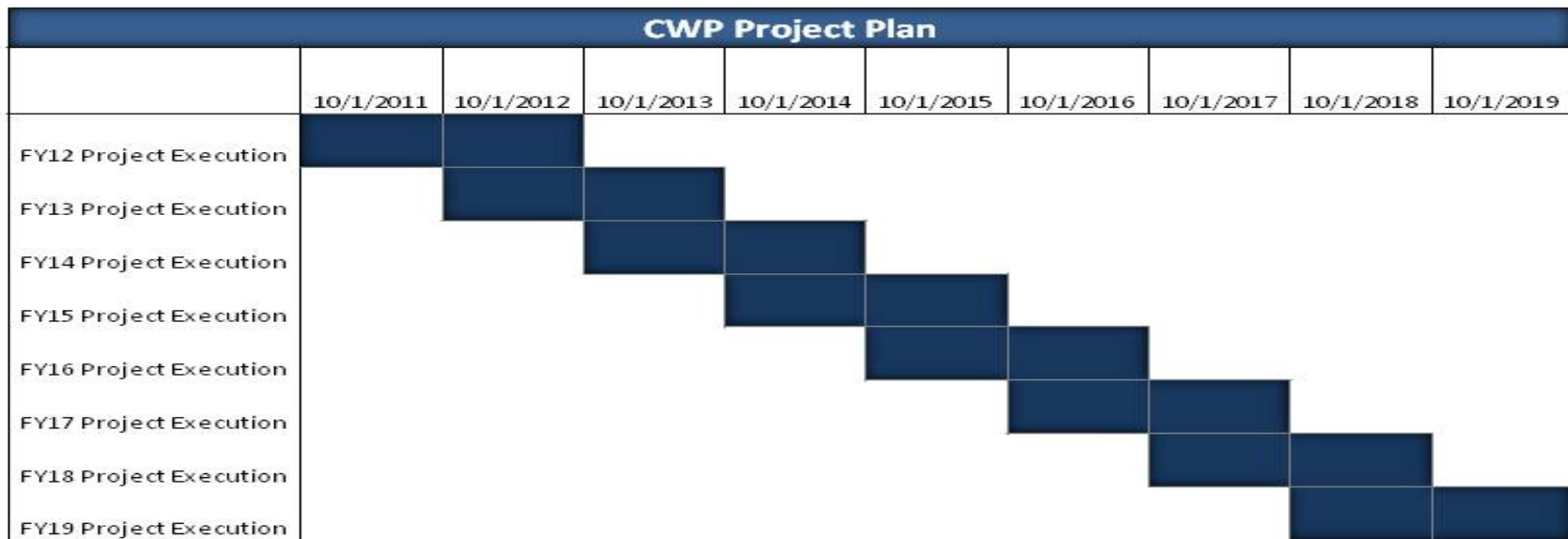
Remarks
Typical costs include government program management personnel and related contracted management support labor and related travel.

	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	11.389	11.398	9.842	0.000	9.842			

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2014 Office of Secretary Of Defense							DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>				R-1 ITEM NOMENCLATURE PE 0603923D8Z: <i>Coalition Warfare</i>			PROJECT P923: <i>Coalition Warfare</i>		



UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2014 Office of Secretary Of Defense			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603923D8Z: <i>Coalition Warfare</i>	PROJECT P923: <i>Coalition Warfare</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
FY11-FY12 Projects	1	2012	4	2012
FY12-FY13 Projects	1	2012	4	2013
FY13-FY14 Projects	1	2012	4	2014
FY14-FY15 Projects	1	2013	4	2015
FY15-FY16 Projects	1	2014	4	2016
FY16-FY17 Projects	1	2015	4	2017
FY17-FY18 Projects	1	2016	4	2018