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

R-1 ITEM NOMENCLATURE

0400: Research, Development, Test & Evaluation, Defense-Wide

PE 0607828D8Z: Joint Integration & Interoperability

DATE: April 2013

BA 7: Operational Systems Development

APPROPRIATION/BUDGET ACTIVITY

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	-	28.935	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
P818: Joint Integration & Interoperability	-	28.935	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

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

Note

The Joint Integration and Interoperability Program Element 0607828D8Z is transferring from OUSD (AT&L) to the Joint Staff in FY13.

A. Mission Description and Budget Item Justification

The Joint Integration & Interoperability (JI&I) Program Element underwrites the Department's core joint Command and Control (C2) efforts for military needs development and validation, for development of associated Doctrine, Organization, Training, Material, Leadership, Personnel, Facilities (DOTMLPF), and for operational assessment of materiel solutions proposed and delivered by the Defense acquisition enterprise. Funds from the JI&I Program are used to address joint capabilities including, but not limited to operational through tactical level joint integration of the following capabilities: Common Operational and Tactical Pictures; Combat Identification; Situational Awareness; Adaptive Mission Planning and Rehearsal; Interoperability among Service/ Agency intelligence systems; Interoperable Joint Fires, Maneuver, and Intelligence; and Integrated Joint Battle Management Command and Control. Activities funded by the JI&I Program aim to:

- Identify, and/or develop mission capable solutions for COCOM interoperability and integration capability shortfalls with emphasis on non-material elements;
- Assess operational suitability and sufficiency of materiel solutions identified by the Defense acquisition enterprise in response to validated joint C2 needs;
- Provide Combatant Commanders with interoperable combat identification and situational awareness capabilities among United States Interagencies, and Allied and Coalition Forces in support of Overseas Contingency Operations;
- Develop joint requirements supporting C2-intensive joint missions such as Joint Close Air Support and Joint Fires;
- Develop joint integrated architectures that guide service capability mapping to achieve joint interoperability;
- Establish fundamental joint data standards and cross domain solutions to facilitate future system interoperability and integration; and,
- Undertake other activities to resolve emergent operational and tactical needs associated with joint C2.
 Volume

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

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

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

0400: Research, Development, Test & Evaluation, Defense-Wide

BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

PE 0607828D8Z: Joint Integration & Interoperability

B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	29.059	0.000	0.000	-	0.000
Current President's Budget	28.935	0.000	0.000	-	0.000
Total Adjustments	-0.124	0.000	0.000	-	0.000
 Congressional General Reductions 	-	-			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
 Reprogrammings 	-0.124	-			
 SBIR/STTR Transfer 	-	-			

Exhibit R-2A, RDT&E Project Ju	ustification	: PB 2014 C	Office of Sec	retary Of D	efense					DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development						NOMENCLA 28D8Z: Join bility		&	PROJECT P818: Joint Integration & Interoperability				
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	
P818: Joint Integration & Interoperability	-	28.935	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing	
Quantity of RDT&E Articles													

^{*}FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

A. Mission Description and Budget Item Justification

Joint Integration and Interoperability Program (JI&I) funds efforts to identify critical characteristics of joint military capabilities and synchronize Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel and Facilities (DOTMLPF) capability elements into a coherent package for employment by joint commanders. The JI&I Program provide resources for a wide range of efforts to define, refine, and deploy integrated joint capabilities. JI&I-funded endeavors aim to improve US and coalition capabilities to conduct coordinated operations. Necessarily, JI&I-funded projects most frequently address Command & Control (C2) and Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) - the capstone capabilities for integrating disparate elements of military force for joint and coalition operations. The JI&I Program supports tasks and projects associated with integration & interoperability of the C2 Portfolio including coordination of C2 operational architectures, standards, and policies. Likewise, JI&I partially funds integration and decision support activities associated with DOD executive level C4 management and oversight.

The JI&I Program delivers outcomes conforming to joint integration missions:

- In concert with the separately funded Joint Systems Integration Command (JSIC) and Joint Fires Integration Interoperability Team (JFIIT), JI&I resources investigate joint C2/C4ISR shortfalls and ascertain characteristics of DOTMLPF remedies to meet mission requirements. The remedies are then pursued through partnerships with Component force development authorities and acquisition sponsors.
- Consistent with the role as operational sponsor for joint C2, JI&I underwrites Joint Combat Capability Developer (JCCD) activities compiling operational requirements for C2/C4ISR capability development and integrated testing.
- Delivers assessment and recommendations for improvement of interoperable Combat Identification (CID) and Situational Awareness (SA) capabilities among United States forces, interagency organizations, and allied/coalition forces.
- Establishes joint data standards and cross domain solutions to facilitate future system interoperability and integration. Joint Integration and Interoperability Program
 (JI&I) funds efforts to identify critical characteristics of joint military capabilities and synchronize Doctrine, Organization, Training, Materiel, Leadership and Education,
 Personnel and Facilities (DOTMLPF) capability elements into a coherent package for employment by joint commanders.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2012	FY 2013	FY 2014
Title: Joint C2 Capability Development and Integration	1.401	0.000	0.000
Description: Description: Primary objective is the resolution of C2 warfighter requirements and interoperability shortfalls; development, oversight, and execution of the DoD C2 Strategic and Implementation Plan objectives for:			

PE 0607828D8Z: Joint Integration & Interoperability Office of Secretary Of Defense

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

	UNULASSII ILD			
Exhibit R-2A, RDT&E Project Justification: PB 2014 Office of Secreta	ary Of Defense	DATE:	April 2013	
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0607828D8Z: Joint Integration & Interoperability	PROJECT P818: Joint Integra	ation & Interop	perability
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
 Improved, integrated, interoperable, and networked joint force; Reduction in duplicative C2 systems/programs across the DoD portfo Improved decisions and recommendations regarding capability trade 				
FY 2012 Accomplishments: Provided DoD Components with prioritized C2 capability needs and invening risks associated with C2 capability shortfalls. Evaluated the c gaps and requirements to identify the best mix of capabilities with proporequirements definition and implementation framework necessary to ever follow-on to the Afghanistan Mission Network (AMN). Conducted studied development of C2 capability solutions necessary to satisfy warfighting deliberations.	urrent mix of C2 capabilities against COCOM valid osed changes in policies, standards and training. Lolve the DoD Future Mission Network (FMN) capabes, analyses and operational assessments for the	ated ed the oility;		
Title: Combat Capability Developer (CCD)		5.528	0.000	0.00
Description: Primary objective is to meet joint warfighter command and capability-needs development and oversight process across the full spewill: 1) Serve as DoD's operational/capability sponsor, capability developer, Global Command and Control System-Joint (GCCS-J) capabilities, Glob System (G-TSCMIS), Multi-National and Mission Partner (MNMP), and requirements development. Collaborates with C2 stakeholders to development (FMN) core capabilities. 2) Sustain relevant fielded capabilities and synchronize C2 development Agency material developers to annually create the Joint C2 Sustainment material solution development schedules, and resource availability/alloc 3) Generate, for subsequent JROC approval, the annual Joint C2 Requirements and modernization requirements) as the warfighter's operative needs. 4) Identify, coordinate and synchronize sustainment and modernization system analysis, programming, development, testing, certification, and and coordinate appropriate requirements documentation, to include Initial Documents (CDD), Capability Definition Packages (CDP) and Capability with an operational context for specific capabilities.	and Warfighter advocate for Joint C2 family of program of C2 development; strategic-to-tactical. The and Warfighter advocate for Joint C2 family of program of the Information Sharing Services (UISS) op and manage requirements for Future Mission Notes and Modernization Plan to sequence requirements ation to achieve optimum Joint C2 capability releasirements Prioritization and Sequence Plan (encomptional priorities demand signal for required capability requirements definition and decomposition to supplied of joint C2 capabilities. Collaboratively devial Capabilities Documents (ICD), Capability Developments (ICD), Capability (I	grams, ormation etwork ce and ts, ses. passing ty oort elop opment		

UNCLASSIFIED

D400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development B. Accomplishments/Planned Programs (\$ in Millions) FY 2012 Accomplishments: Conducted C2 capability prioritization and sequencing via the CCD's and USD(AT&L)'s agile Joint C2 Sustainment and Modernization Plan process, with follow-on C2 capability production and deployment for FY12-14. Provided direct 'hands-on' engagement with Component materiel developers to operationally shape C2 products and solutions while ensuring requirements traceability. Sustained and synchronized critical GCCS FoS capabilities while transitioning joint C2 to agle, objective capabilities. Oversaw the development and approval of: the JROC-approved Joint C2 Capability Development Document (CDD) Change 3, JROC-approved Future Mission Network (FMN) Initial Capabilities Document (ICD), JROC-approved Information Systems (IS) IT Box process codified in CJCSI 3170.01, JCB-approved FY13 Joint C2 Operational Priorities, JS J8 RMD-approved Joint C2 Capability Definition Package (CDP)/Capability Package (CP) Executive Guide & process utilized as DOD's exemplar for IS requirements development, Joint C2 Common User Interface (CUI) CP, Global-Theater Security Cooperation Management Information System (G-TSCMIS) Release 1 CP, APEX Course of Action Wargaming CP, APEX Force List & Force Flow Development CP, Planning and Execution Enterprise Framework CDP, and Coalition Mission Partner Network (CMNT) CP. Provided operational oversight to the development and fielding of capabilities to warfighters: Joint C2 CUI widgets - IED Event Summary, Casualty Summary, 7-Day Attack/IED Event Average graph, and fuel and ammo watchboards, etc.); Agile Client improved user effectiveness by tailoring capabilities & data to specific missions; Cross Domain Services - improved quality and consistency of GCCS-J Global v4.2.0.9 - software now loaded off an image-reduced load time from 4 weeks to 24 hours; and GCCS-J JOPES v4.2.0.2 - provided machine-generated, FedEx-like 'tr	DATE:	DATE: April 2013			
FY 2012 Accomplishments: Conducted C2 capability prioritization and sequencing via the CCD's and USD(AT&L)'s agile Joint C2 Sustainment and Modernization Plan process, with follow-on C2 capability production and deployment for FY12-14. Provided direct 'hands-on' engagement with Component materiel developers to operationally shape C2 products and solutions while ensuring requirements traceability. Sustained and synchronized critical GCCS FoS capabilities while transitioning joint C2 to agile, objective capabilities. Oversaw the development and approval of: the JROC-approved Joint C2 Capability Development Document (CDD) Change 3, JROC-approved Future Mission Network (FMN) Initial Capabilities Document (ICD), JROC-approved Information Systems (IS) IT Box process codified in CJCSI 3170.01, JCB-approved FY13 Joint C2 Operational Priorities, JS J8 RMD-approved Joint C2 Capability Definition Package (CDP)/Capability Package (CP) Executive Guide & process utilized as DoD's exemplar for IS requirements development, Joint C2 Common User Interface (CUI) CP, Global-Theater Security Cooperation Management Information System (G-TSCMIS) Release 1 CP, APEX Course of Action Wargaming CP, APEX Force List & Force Flow Development CP, Planning and Execution Enterprise Framework CDP, and Coalition Mission Partner Network (CMNT) CP. Provided operational oversight to the development and fielding of capabilities to warfighters: Joint C2 CUI widgets - IED Event Summary, Casualty Summary, 7-Day Attack/IED Event Average graph, and fuel and ammo watchboards, etc.); Agile Client - improved user effectiveness by tailoring capabilities & data to specific missions; Cross Domain Services - improved quality and consistency of GCCS-J Common Operational Picture (COP) data flows and interoperability between SCI, Collateral & Coalition networks; GCCS-J Global v4.2.0.9 - software now loaded off an image-reduced load time from 4 weeks to 24 hours; and GCCS-J JOPES v4.2.0.2 - provided machine-generated, 'FedEx-like' tracking numbers to enable tracki	PROJECT P818: Joint Integration & Interoperability				
Conducted C2 capability prioritization and sequencing via the CCD's and USD(AT&L)'s agile Joint C2 Sustainment and Modernization Plan process, with follow-on C2 capability production and deployment for FY12-14. Provided direct 'hands-on' engagement with Component materiel developers to operationally shape C2 products and solutions while ensuring requirements traceability. Sustained and synchronized critical GCCS FoS capabilities while transitioning joint C2 to agile, objective capabilities. Oversaw the development and approval of: the JROC-approved Joint C2 Capability Development Document (CDD) Change 3, JROC-approved Future Mission Network (FMN) Initial Capabilities Document (ICD), JROC-approved Information Systems (IS) IT Box process codified in CJCSI 3170.01, JCB-approved FY13 Joint C2 Operational Priorities, JS J8 RMD-approved Joint C2 Capability Definition Package (CDP)/Capability Package (CP) Executive Guide & process utilized as DoD's exemplar for IS requirements development, Joint C2 Common User Interface (CUI) CP, Global-Theater Security Cooperation Management Information System (G-TSCMIS) Release 1 CP, APEX Course of Action Wargaming CP, APEX Force List & Force Flow Development CP, Planning and Execution Enterprise Framework CDP, and Coalition Mission Partner Network (CMNT) CP. Provided operational oversight to the development and fielding of capabilities to warfighters: Joint C2 CUI widgets - IED Event Summary, Casualty Summary, 7-Day Attack/IED Event Average graph, and fuel and ammo watchboards, etc.); Agile Client - improved user effectiveness by tailoring capabilities & data to specific missions; Cross Domain Services - improved quality and consistency of GCCS-J Common Operational Picture (COP) data flows and interoperability between SCI, Collateral & Coalition networks; GCCS-J Global v4.2.0.9 - software now loaded off an image-reduced load time from 4 weeks to 24 hours; and GCCS-J JOPES v4.2.0.2 - provided machine-generated, 'FedEx-like' tracking numbers to enable tracking of manpower & logistics	FY 2012	2012 FY 2013	FY 2014		
Description: Primary objective is to ensure C2 data assets at enterprise level are visible, accessible, understandable and interoperable, by: 1) Leading an effective C2 Data & Services Strategy management construct to include guidance and policy recommendations; 2) Developing and refining C2 Data Standards and Best Practices; 3) Managing, tracking and verifying Authoritative Data Source (ADS) inventories generate utilization metrics and synchronize ADS					
exposure with C2 Capability development; 4) Supporting C2 Data Pilots, Joint Capability Technology Demonstrations (JCTDs), and other Data & Service Strategy implementation activities in order to increase the warfighter's access to C2 information; and 5) Maintaining oversight of DOD's tactical information exchange standards to ensure bi-level interoperability.	5.273	5.273 0.000	0.000		

PE 0607828D8Z: *Joint Integration & Interoperability* Office of Secretary Of Defense

Exhibit R-2A, RDT&E Project Justification: PB 2014 Office of Secreta	ry Of Defense		DATE: A	April 2013			
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0607828D8Z: Joint Integration & Interoperability		PROJECT P818: Joint Integration & Interoperability				
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2012	FY 2013	FY 2014		
Led configuration management of C2 Core Version 2.0+ and chaired the reported C2 Core implementation progress based upon a C2 Core Implemapping C2 Core elements and authoritative data sources (ADS) to Joir data source (ADS) Annual Review Board in conjunction with the Joint C2 capability development. Demonstrated operational priorities' ADS dependecision support toolkit (DST). Maintained C2 ADS information in the Dereported ADS exposure across the enterprise. Developed and assessed the quarterly exposure tracking report. Executed Operational Utility Ass TEDS JCTD Increment III and began transition of the solutions to identif & Simulation Center of Excellence technical demonstration of passing C systems. Provided data & service strategy reviews and recommendation guidance and policy documents. Initiated the expansion of the C2 ADS capability boards (FCBs). Led the C2 Data and Services Steering Commendate sharing priorities and standards for C2 capabilities. Maintained ove Oversaw refinement and implementation of the Interoperability Enhance field.	ementation Plan and refined, as needed. Continued on the Mission Threads. Executed FY 2012 authoritative 2 Build/Plan process to synchronize data exposure and encies through the combat capability developers on Enterprise ADS Registry, and compiled, tracked diprototype utilization metrics, and implemented sar essments (OUAs) for the Common Ground JCTD a field programs of record. Supported the NATO Mode 2 Core formatted messages between US and Italian for ISPs, capabilities development documents, a management approach in coordination with all function mittee, which provides a formal process to establish resight of DOD's tactical information exchange stand	with and ne in nd the eling n C2 nd cional C2 ards.					
 Title: Joint Integrated Fires Description: Primary objective is the integration of Joint Fires Capabiliti mission effectiveness while minimizing fratricide and collateral damage. 1) Focus areas: Joint Fires, Joint Close Air Support (JCAS), Friendly For related Joint Command and Control Capabilities. 2) Conduct BOLD QUEST Coalition Capability Demonstration and Asset 	rce Tracking (FFT), Combat Identification (CID), and		8.800	0.000	0.000		
FY 2012 Accomplishments: Led JROC-directed Joint Fires Joint Mission Thread development. Plan for Mark XII Mode 5 Interoperability test and conducted limited risk-mitig Action Plan execution. Completed Forward Air Controller (Airborne) and Close Air Support (DACAS) actions across Services. Conducted nine Jifive partner nation); four Joint Fires Observer (JFO) Accreditation visits (Program Review; hosted JTAC, FAC (A) and JFO Curriculum Review fowhich collectively produced over 95 percent of all ISAF JTAC/FACs; 100 FAC(A)s. Conducted a Joint Fire/JCAS/ Symposium (attended by over 3 partner nations. Played significant role in rewrite of NATO Standardizations).	ation events. Continued JFS/JCAS and CID-FFT d JTAC MOA updates. Implemented Digitally Aided TAC Stan Team Accreditation visits (four U.S. and (three U.S. and one partner nation); and one FAC (Air 27 Schoolhouses (12 U.S. and 15 partner nation)-0 percent of all ISAF JFCOs' and 100 percent of all ISSO representtives from the US military and DOD, and	SAF d 19					

PE 0607828D8Z: Joint Integration & Interoperability
Office of Secretary Of Defense

	UNCLASSII ILD				
Exhibit R-2A, RDT&E Project Justification: PB 2014 Office of Secreta	ary Of Defense		DATE:	April 2013	
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0607828D8Z: Joint Integration & Interoperability	PROJE P818: J		tion & Interop	erability
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2012	FY 2013	FY 2014
for Forward Air Controllers (FAC) and Laser Operators). Led the Joint C Analysis of Alternatives (AoA) follow-on initiatives: Fielded and Program materiel alternatives Capabilities Based Assessment. Reported Tactica recommendation compliance to Joint Capabilities Board (JCB). Certified in CENTCOM theater of operations in support of USAFCENT Joint Urgat Camp Atterbury, Indiana with 450 participants from 11 nations. Initiat between strike aircraft and terminal controllers; joint fire support joint miplatforms/teams (RQ-7B Shadow) into DACAS strike missions; and cyb	nmed Capability Improvement (FPCI) analysis; non al Information Classification and Security (TICS) Stu d, accredited and fielded the Combat Identification ent Operational Need. Led Bold Quest 12 Demonst ives included: Digital exchange of targeting informatission thread vignettes; integrated Army and USMC	udy Server ration			
Title: Joint Architecture Integration and Development		7.933	0.000	0.000	
Description: The primary effort for this objective is to develop and integrated warfighting mission areas. There are four foundational eto the warfighters and supporting elements: Joint Force Architecture, St Mission Threads); Joint Combat Capability Development Architecture; a FY 2012 Accomplishments: Joint Force Architectures, Standards, and Analysis: Developed the Future Mission Network (FMN) Capabilities Analysis, FN and FMN Humanitarian Assistance Disaster Relief Use Case. Develop (FAB-T) integrated architecture. AID developed the Senior Leaders Cor in the development of the Global Force Management Increment I and II Common Functions List (JCSFL) Version 5.0. AID refined Command a Analyzed and provided recommendations on approximately 80 JCIDS of Provided recommendations to 8 DoD Architecture and Standards policy analysis and provided recommendations to JS J6 on five requests for well as the support of the support of the Senior Leaders Corticles and Standards policy analysis and provided recommendations to JS J6 on five requests for well as the support of the Senior Leaders Corticles and Standards policy analysis and provided recommendations to JS J6 on five requests for well as the support of the Senior Leaders Corticles and Standards and Provided recommendations to JS J6 on five requests for well as the support of the Senior Leaders Corticles and Standards and Provided recommendations to JS J6 on five requests for well as the support of the Senior Leaders Corticles and Standards and Senior Leaders Corticles and Senior	efforts that provide the architecture, analysis, and set tandards, and Analysis; Architecture Driven Analysis and Joint Architecture Federation and Integration. MN Integrated Architectures, (both are JROC approved the Family of Advanced beyond Line of Sight Temmand and Control Airborne architecture. Assisted integrated architectures. AID developed the Joint and Control On-the-Move (C2OTM) Reference Architectures and 30 Information Support Plans (ISPs of documents). Developed the process for NR KPP of tandards.	ved) erminals itecture.			
Architecture Driven Analysis (Joint Mission Threads - JMTs): Managed the Joint Fires Support (JFS) Tier 1, 2, and 3 JMT work, leadirecommendations to be coordinated across Service program offices in land Experimentation (CD&E) Joint Warfighter Challenges (WFCs): Hon Missile Defense Command and Control (BMD C2); Conduct Civil Affairs Littoral Maritime Defense (LMD); Building Partnerships - Planning Sync and Control. Digital Aided Close Air Support (DACAS), Joint Fires Suppand were demonstrated and assessed in Bold Quest '12 and other risk	FY-13. Supported JS J7 Joint Concept Developmen neland Defense BMD Analysis (SWA) (HDBAS); Bas Planning Ops for Steady State Operations (CAPC chronization Framework (BP-PSF), and CYBER Coloort, and Joint Personnel Recovery ECPs have materials.	allistic SSO); mmand ured			

PE 0607828D8Z: Joint Integration & Interoperability
Office of Secretary Of Defense

JECT	April 2013 ation & Interop FY 2013	FY 2014
3: Joint Integra		
FY 2012	FY 2013	FY 2014
28.935	0.000	0.00

PE 0607828D8Z: *Joint Integration & Interoperability* Office of Secretary Of Defense

Remarks

Exhibit R-2A, RDT&E Project Justification: PB 2014 Office of Secretary Of	DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
0400: Research, Development, Test & Evaluation, Defense-Wide	PE 0607828D8Z: Joint Integration &	P818: Joint Integration & Interoperability
BA 7: Operational Systems Development	Interoperability	

D. Acquisition Strategy

Not applicable for this item.

E. Performance Metrics

Interoperability and Integration:

- Develop coordinated joint C4 operational assessments, tests and evaluations to identify, prioritize and document interoperability deficiencies that produce Component plans and actions to reduce or eliminate identified deficiencies.
- Provide mission capable solutions for joint interoperability and integration capability shortfalls to influence and resource joint C2 solutions.

Joint Fires:

- Provide situational awareness and cooperative / non-cooperative identification capabilities that enable U.S., NATO / coalition warfighters to identify friendly, enemy and neutral forces for "shoot/don't shoot" decisions.
- Synchronize Service testing, acquisition and fielding of Mode Five IFF capability, with an Initial Operating Capability (IOC) in FY 2014 and Full Operational Capability (FOC) in FY 2020.
- Complete Definition Package for Block Two of Digitally Aided Close Air Support (DACAS) coordinated implementation in conjunction with participating Service programs of record.
- Conduct Accreditation Biennial Visits for six Joint Terminal Attack Controller (JTAC) and 2 Joint Fires Observer (JFO) Schoolhouses.
- Monitor compliance for Mode Five IOC in FY 2014 and FOC in FY 2020

Combat Capability Development:

- Develop annual JROC approved plan to identify prioritized and synchronized capabilities sufficient for near-term development and fielding to warfighters (12-18 month delivery).
- Develop annual assessment of impacts on GCCS Joint & Service Family of Systems (\$350M+ annual portfolio) to determine mission impacts in the geographic AORs.
- Develop, as required, JROC requirements documentation (ICDs, CDDs, CDDs, CDPs, CONOPs, MOEs/MOPs) sufficient for agile/flexible use by the acquisition community.

Architectures:

• Continue development of reusable architecture products to provide capability developers an upfront, operational/systems view at the enterprise level to support of capability acquisition, requirements generation, development, and testing.

Data

• Establish common C2 data and service standards and enables access to authoritative data assets in order to provide the warfighter timely access to critical information.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Office of Secretary Of Defense

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

PROJECT

0400: Research, Development, Test & Evaluation, Defense-Wide

PE 0607828D8Z: Joint Integration &

P818: Joint Integration & Interoperability

BA 7: Operational Systems Development

Interoperability

Support (\$ in Million	upport (\$ in Millions)		FY 2012 FY 2013						·				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	Total Cost	Target Value of Contract	
TBD	TBD	TBD:TBD	-	28.935		0.000		-		-		-	Continuing	Continuing		
		Subtotal	0.000	28.935		0.000		0.000		0.000		0.000				
			All Prior					FY 2	2014	FY 2	2014	FY 2014	Cost To	Total	Target Value of	

	All Prior Years	FY 2	012	FY 2	2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To	Total Cost	Target Value of Contract
Project Cost Totals	0.000	28.935		0.000		0.000	0.000	0.000			

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2014 Office of Secretary Of Defense								DATE: April 2013						
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide 04A 7: Operational Systems Development			R-1 ITEM NOMENCLATURE PE 0607828D8Z: Joint Integration & Interoperability				PROJECT P818: Joint Integration & Interoperability				abilit			
	FY 2012	FY 2013	3	FY 2014	FY 2015	F۱	/ 2016	016 F		FY 2017		FY 201	18	
	1 2 3 4	1 2 3	4 1	1 2 3 4	1 2 3 4	1 2	2 3 4	1 1	2 3	4	1	2 3	4	
JI&I Profile														
Project Selections														
Assessments														
Project Funding														
Project Development														

Exhibit R-4A, RDT&E Schedule Details: PB 2014 Office of Secretary Of Defense

R-1 ITEM NOMENCLATURE PROJECT

APPROPRIATION/BUDGET ACTIVITY

0400: Research, Development, Test & Evaluation, Defense-Wide

BA 7: Operational Systems Development

PE 0607828D8Z: Joint Integration &

Interoperability

P818: Joint Integration & Interoperability

DATE: April 2013

Schedule Details

	St	End		
Events	Quarter	Year	Quarter	Year
JI&I Profile	1	2012	4	2013
Project Selections	1	2012	4	2012
Assessments	1	2012	4	2012
Project Funding	1	2012	3	2016
Project Development	1	2012	4	2016