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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Army										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE							
2040: Research, Development, Test & Evaluation, Army					PE 0203726A: Adv Field Artillery Tactical Data System							
BA 7: Operational Systems Development												
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	-	28.649	32.556	30.940	-	30.940	35.314	32.365	30.236	30.075	Continuing	Continuing
322: Adv Field Artillery Tactical Data System(AFA)	-	17.511	23.961	12.237	-	12.237	5.425	0.000	0.000	0.000	Continuing	Continuing
DU5: AFATDS Increment II	-	0.000	0.000	12.140	-	12.140	16.910	21.104	20.853	24.148	Continuing	Continuing
F19: JADOCS	-	11.138	8.595	6.563	-	6.563	12.979	11.261	9.383	5.927	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

The decrease in FY 2012 funding of \$0.851 million is to fund the Army's higher priority items in FY2012.

The increase in FY 2014 funding of \$2.289 million is to fund emerging requirements for Advanced Field Artillery Tactical Data System (AFATDS) Capability Development Document (CDD) for the Increment 2, including the Common Operating Environment (COE) architecture. The program office is expecting to start the Increment 2 development in 4Q FY2014. The decrease in FY 2014 funding of \$4.363 million is to fund the Army's higher priority items in FY2014.

A. Mission Description and Budget Item Justification

There are two developmental efforts that are being executed concurrently. They are Advanced Field Artillery Tactical Data System (AFATDS) Increment 1 and Joint Automated Deep Operations Coordination System (JADOCS). In FY14, the program office will initiate the execution of the AFATDS Increment 2 requirements.

AFATDS provides the Army, Navy, and Marine Corps automated fire support command, control and communications and functions as the land component's automated Fire Support Command and Control (FSC2) system. AFATDS is used in the Fires Warfighting Function to plan, execute, and deliver lethal and non-lethal effects within the overall Mission Command and Control (MC2) enterprise. Additionally, the system interoperates and integrates with over 80 different battlefield systems, to include Navy and Air Force command and control weapon systems; and the German, French, Turkish, and Italian fire support systems.

AFATDS fuses the essential situational awareness (SA) data, intelligence information and targeting data, in near real time, in order to effectively manage target selection and target engagement in accordance with the Maneuver Commanders guidance and priorities. Additionally, the system will pair targets to weapons to provide optimum use of fire support assets and timely execution of fire missions. Also, the system automates the planning, coordinating, and controlling of all fire support assets (field artillery, mortars, close air support, naval gunfire, attack helicopters, offensive electronic warfare, fire support meteorological systems, forward observers, and fire support radars). Furthermore, the system will automatically implement detailed commander's guidance in the automation of operational planning, movement control, targeting, target value analysis, and fire support planning. Currently, the system interoperates with the other Army mission command systems, and is being used in operations in Afghanistan. The program office is currently fielding non-developmental, rugged common hardware, running the Windows Operating System. The total force will be fielded a Windows based platform by fiscal year 2013. Currently, AFATDS Version 6.8 and 6.8.X are being developed and expect to

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APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE				
2040: Research, Development, Test & Evaluation, Army		PE 0203726A: Adv Field Artillery Tactical Data System				
BA 7: Operational Systems Development						
achieve Full Materiel Releases (FMR) in 2Q FY2013 and 2Q FY2015. With the completion of AFATDS Version 6.8.X, the program office will complete the AFATDS Increment 1 requirements and will start the Increment 2 development in 4Q FY2014.						
JADOCS is a Joint, Interagency, Intergovernmental and Multinational (JIIM) Targeting, Mission Management, and Common Operational Picture (COP) Windows-based software suite which functions as a complementary system to the Advanced Field Artillery Tactical Data System (AFATDS). JADOCS provides integration and synergy between multiple Command & Control (C2) systems of the uniformed services, and joint and combined elements involved in the targeting process and performs coordination and calculates collateral damage. JADOCS Mission Managers support this coordination amongst Warfighter functional areas to rapidly execute critical missions. JADOCS enables coordination and de-confliction of conventional and asymmetric war-fighting missions. JADOCS is fielded to Air Force, Navy, Marine Corps, and Army units involved in the targeting process at Division, Corps and Echelons Above Corps. JADOCS provides the Combatant Commands with the capability to plan and direct theater counter-fire and precision strike operations through the real time synchronization of US and Coalition assets. The application provides the Warfighter with a combination of tools, services and Mission Managers for rapid "system of systems" integration, visualization, coordination and deconfliction of critical mission information. It not only enhances Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) systems in the areas of strike planning but also in SA, joint and combined interoperability and force transition in war.						
B. Program Change Summary (\$ in Millions)		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget		29.500	32.556	33.014	-	33.014
Current President's Budget		28.649	32.556	30.940	-	30.940
Total Adjustments		-0.851	0.000	-2.074	-	-2.074
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-	-			
• Other Adjustments 1		-0.851	-	-	-	-
• Other Adjustments 2		-	-	2.289	-	2.289
• Other Adjustments 3		-	-	-4.363	-	-4.363

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Army										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0203726A: Adv Field Artillery Tactical Data System				PROJECT 322: Adv Field Artillery Tactical Data System(AFA)			
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
322: Adv Field Artillery Tactical Data System(AFA)	-	17.511	23.961	12.237	-	12.237	5.425	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

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

Note

Advanced Field Artillery Tactical Data System (AFATDS) Increment 2 project code (DU5) was created in this budget cycle and has been added to the program element 0203726A. Funds were transferred from AFATDS (project code 322).

A. Mission Description and Budget Item Justification

There are two developmental efforts that are being executed concurrently on this budget item. They are Advanced Field Artillery Tactical Data System (AFATDS) and Global Positioning System (GPS) based Precision Guided Munitions (PGMs).

AFATDS provides the Army, Navy, and Marine Corps automated fire support command, control and communications and functions as the land component's automated Fire Support Command and Control (FSC2) system. AFATDS is used in the Fires Warfighting Function to plan, execute, and deliver lethal and non-lethal effects within the overall Mission Command and Control (MC2) enterprise. Additionally, the system interoperates and integrates with over 80 different battlefield systems, to include Navy and Air Force command and control weapon systems; and the German, French, Turkish, and Italian fire support systems.

AFATDS fuses the essential situational awareness (SA) data, intelligence information and targeting data, in near real time, in order to effectively manage target selection and target engagement in accordance with the Maneuver Commanders guidance and priorities. Additionally, the system will pair targets to weapons to provide optimum use of fire support assets and timely execution of fire missions. Also, the system automates the planning, coordinating, and controlling of all fire support assets (field artillery, mortars, close air support, naval gunfire, attack helicopters, offensive electronic warfare, fire support meteorological systems, forward observers, and fire support radars). Furthermore, the system will automatically implement detailed commander's guidance in the automation of operational planning, movement control, targeting, target value analysis, and fire support planning. Currently, the system interoperates with the other Army mission command systems, and is being used in operations in Afghanistan. The program office is currently fielding non-developmental, rugged common hardware, running the Windows Operating System. The total force will be fielded a Windows based platform by fiscal year 2013. Currently, AFATDS Version 6.8 and 6.8.X are being developed and expect to achieve Full Materiel Releases (FMR) in 2Q FY2013 and 2Q FY2015. With the completion of AFATDS Version 6.8.X, the program office will complete the AFATDS Increment 1 requirements and will start the Increment 2 development in 4Q FY2014.

GPS-based PGMs require pre-launch loading of sufficient GPS Satellite related data down at the Weapon Platform level to enable delivery of Precision Capable Fires. This hot start capability allows for rapid post-launch time-to-first-fix of GPS signal and maximum utilization of PGM maneuver authority to ensure required target

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Army			DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0203726A: Adv Field Artillery Tactical Data System	PROJECT 322: Adv Field Artillery Tactical Data System(AFA)		
engagement performance. This is especially critical for short flight times and steer-early solutions such as Mortar and Cannon based PGMs. Local GPS Satellite visibility challenges due to vertical terrain/complex environment issues during normal combat operations can prohibit Precision Capable Fires when using GPS Satellite data generated exclusively at the Firing Weapon Platform. A system-of-systems Network Assisted GPS capability will be developed, integrated, and validated to overcome local GPS Satellite masking problems through the sharing of sufficient timely required GPS Satellite data via Wide-Area Network (WAN) and Local-Area Network (LAN) based materiel solutions that effectively and efficiently leverage mature Technologies and taxpayer investments of existing acquisition programs.					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2012	FY 2013	FY 2014
Title: Program Support Costs for AFATDS software development			0.905	0.919	0.715
Articles:			0	0	
Description: Provide program support for AFATDS software development efforts for Versions 6.8 and 6.8.X					
FY 2012 Accomplishments: Program support for AFATDS Increment 1 software development efforts					
FY 2013 Plans: Program support for AFATDS Increment 1 software development efforts					
FY 2014 Plans: Program support for AFATDS Increment 1 software development efforts					
Title: AFATDS software development efforts cost			13.956	15.167	5.907
Articles:			0	0	
Description: Development of AFATDS Increment 1 requirements - including Version 6.8 and 6.8.X					
FY 2012 Accomplishments: Complete development of AFATDS Version 6.8 and initiate development of AFATDS Version of 6.8.X					
FY 2013 Plans: Continue development of AFATDS Version 6.8.X					
FY 2014 Plans: Complete development of AFATDS Version 6.8.X					
Title: Network Assisted GPS for Precision Fires			0.000	5.000	3.000
Articles:				0	
Description: Define system architecture and standardize tactical GPS Satellite data exchange solutions. Initiate WAN and LAN based system-of-systems Network Assisted GPS capability for PGMs.					

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Army									DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0203726A: Adv Field Artillery Tactical Data System				PROJECT 322: Adv Field Artillery Tactical Data System(AFA)			
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014
FY 2013 Plans: Initiate development of Network Assisted GPS for Precision Fires.											
FY 2014 Plans: Continue development of Network Assisted GPS for Precision Fires.											
Title: Testing									2.650	2.875	2.615
Articles:									0	0	
Description: Conduct and support test activities for AFATDS development of Increment 1 requirements											
FY 2012 Accomplishments: Conduct and support test activities for AFATDS Increment 1 software.											
FY 2013 Plans: Conduct and support test activities for AFATDS Increment 1 software.											
FY 2014 Plans: Conduct and support test activities for AFATDS Increment 1 software.											
Accomplishments/Planned Programs Subtotals									17.511	23.961	12.237
C. Other Program Funding Summary (\$ in Millions)											
Line Item	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
• B28600: ADV FA TAC DATA SYS	6.119									0.000	6.119
• B28620: MOD OF IN-SVC EQUIP, AFATDS	34.556	41.816	17.702		17.702	10.310	10.206			0.000	114.590
Remarks											
D. Acquisition Strategy											
AFATDS began fielding in FY1996, with the original AFATDS Version 96. It has been updated with subsequent releases reflecting the Spiral development strategy of the program. Currently, AFATDS Version 6.8 and 6.8.X are being developed and expect to achieve Full Materiel Releases (FMR) in 2Q FY2013 and 2Q FY2015, respectively. With the completion of AFATDS Version 6.8.X, AFATDS Increment 1 will have achieved Full Operational Capability (FOC).											
E. Performance Metrics											
Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Army												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>						R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>						PROJECT 322: <i>Adv Field Artillery Tactical Data System(AFA)</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
Program Management for Increment 1 Support	SS/BA	PM Mission Command (MC):APG, MD	16.274	0.825	Dec 2011	0.829	Dec 2012	0.560	Dec 2013	-		0.560	0.350	18.838	18.838
Subtotal			16.274	0.825		0.829		0.560		0.000		0.560	0.350	18.838	18.838
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
Software Development of AFATDS Increment 1 Requirements	SS/CPAF	Raytheon Systems Corp.:Ft. Wayne, IN	311.020	-		-		-		-		-	0.000	311.020	0.000
Software Development of AFATDS Version 6.8	SS/CPAF	Raytheon Systems Corp.:Ft. Wayne, IN	33.134	5.342	Mar 2012	-		-		-		-	0.000	38.476	310.361
Software Development of AFATDS Version 6.8.X	C/CPFF	Raytheon Systems Corp.:Ft. Wayne, IN	0.000	8.614	May 2012	15.167	Feb 2013	5.907	Apr 2014	-		5.907	2.500	32.188	33.188
Network Assisted GPS for Precision Fires Development	C/Various	PM Joint Battle Command Platform, PM Mission Command, and various Army agencies:Various Locations	0.000	-		5.000	Mar 2013	3.000	Mar 2014	-		3.000	1.000	9.000	0.000
Subtotal			344.154	13.956		20.167		8.907		0.000		8.907	3.500	390.684	343.549
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
Information Assurance and Engineering Support for AFATDS Increment 1 requirements	C/T&M	CSC:Eatontown, NJ	0.340	0.080	Feb 2012	-		-		-		-	0.000	0.420	0.375

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Army												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>						R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>						PROJECT 322: <i>Adv Field Artillery Tactical Data System(AFA)</i>			
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
Information Assurance and Engineering Support for AFATDS Increment 1 requirements	C/CPFF	CSC:Aberdeen, MD	0.000	-		0.090	Nov 2013	0.155	Apr 2014	-		0.155	0.160	0.405	0.405
Subtotal			0.340	0.080		0.090		0.155		0.000		0.155	0.160	0.825	0.780
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
Test Support for AFATDS Increment 1 requirements	C/T&M	Titan and various contractors:Various Locations	3.418	0.745	Dec 2011	-		-		-		-	0.000	4.163	5.055
Test Support for AFATDS Increment 1 requirements	C/CPFF	Engility and various:Various Locations	0.000	0.730	Sep 2012	1.575	May 2013	1.350	Apr 2014	-		1.350	1.025	4.680	5.030
Limited User Test/ Government Confidence Demo for AFATDS Increment I and II requirements	SS/BA	Army Test & Evaluation Command (ATEC)/Fires Test Directorate (FTD):Various Locations	13.102	1.175	Feb 2012	1.300	Jan 2013	1.265	Jan 2014	-		1.265	0.390	17.232	17.232
Subtotal			16.520	2.650		2.875		2.615		0.000		2.615	1.415	26.075	27.317
Project Cost Totals			377.288	17.511		23.961		12.237		0.000		12.237	5.425	436.422	390.484
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Army			DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>			R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>		
			PROJECT 322: <i>Adv Field Artillery Tactical Data System(AFA)</i>		

	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
	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
Materiel Release V6.8																												
Fielding V6.8																												
Development and Testing V6.8.X																												
Materiel Release V6.8.X																												
Fielding V6.8.X																												
Development /Testing Network Assisted GPS for Precision Fires																												
Materiel Release Network Assisted GPS for Precision Fires																												
Fielding Network Assisted GPS for Precision Fires																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Army			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>	PROJECT 322: <i>Adv Field Artillery Tactical Data System(AFA)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Materiel Release V6.8	2	2013	2	2013
Fielding V6.8	2	2013	3	2013
Development and Testing V6.8.X	3	2012	2	2015
Materiel Release V6.8.X	2	2015	2	2015
Fielding V6.8.X	2	2015	3	2015
Development /Testing Network Assisted GPS for Precision Fires	1	2013	2	2015
Materiel Release Network Assisted GPS for Precision Fires	2	2015	2	2015
Fielding Network Assisted GPS for Precision Fires	2	2015	3	2015

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Army									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0203726A: Adv Field Artillery Tactical Data System				PROJECT DU5: AFATDS Increment II			
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
DU5: AFATDS Increment II	-	0.000	0.000	12.140	-	12.140	16.910	21.104	20.853	24.148	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												
Note												
Advanced Field Artillery Tactical Data System (AFATDS) Increment 2 project code (DU5) was created in this budget cycle and has been added to the program element 0203726A. Funds were transferred from AFATDS (project code 322). Will start AFATDS Increment 2 development in FY2014.												
A. Mission Description and Budget Item Justification												
AFATDS Increment 2 will continue as the automated C2 system for the Fires War Fighting Function. Increment 2 will permit the management and targetability of the collective and coordinated target acquisition data, effective selection of munitions-target pairing from indirect fire weapons (land and sea based), as well as fixed and rotary wing aircraft against targets located throughout an area of operations. AFATDS Increment 2 will be used to actively plan offensive information operations and exploit electronic attack weapon systems through the use of planning tools for effects and the status and readiness of the systems that can best support the commander's intent. AFATDS Increment 2, through a network of Fires assets, can assist the commander to accomplish these tasks using it at the operational and tactical levels of war from the Soldier, Sailor, and Marine fighting the tactical fight to the operational staff preparing for the future fight. AFATDS Increment 2 will provide the supported maneuver commander the capability to plan, coordinate, rehearse, and execute integrated networked fires. Networked fires will include lethal and non-lethal effects producing weapon platforms and the empowerment of knowing, within seconds, the lethal status and availability of the fires platforms within the commander's area of influence, which include air, sea, and land-based weapon platforms. Net-centricity will enable the Brigade Combat Team (BCT) commander to view targets that adjacent BCTs have encountered or engaged in their area of operations. This capability enables the commander to: exploit under-tasked air support assets, view/task weapons platforms based on coordinated command-supported relationships, and search target data files and repositories. Using the web-based tools, the BCT commander can access higher command centers via search wizards over Warfighter Information Network Tactical (WIN-T) portals and internet gateways to the Global Information Grid (GIG). There is an operational need to provide Fires data to a central database repository within the BCT. That repository will be accessible through network addressing or web-enabled search wizards to locate information relative to a certain maneuver element, within a BCT or adjacent BCTs, thus supporting unified battle command. AFATDS Increment 2 will provide three distinct applications that interface via Local Area Network/Tactical Communications Protocol/Internet Protocol/User Datagram Protocol(LAN/TCP/IP/UDP) addressing with a common core database and core system functions/management that resides on a remote battle command server. The three applications–Fire Support, Fire Control, and Fire Direction–will support role-based functionality and provide a less complicated AFATDS package to the Warfighter.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2012	FY 2013	FY 2014	
Title: Program Support Costs for AFATDS software development									0.000	0.000	0.720	

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013
Description: Provide program support for AFATDS software development efforts for Version 6.9			
FY 2014 Plans: Program support for AFATDS Increment 2 software development efforts			
Title: AFATDS software development efforts cost		0.000	0.000
Description: Development of AFATDS Increment 2 requirements - Version 6.9			10.100
FY 2014 Plans: Initiate development of AFATDS Version of 6.9			
Title: Testing		0.000	0.000
Description: Conduct and support test activities for AFATDS development of Increment 2 requirements			1.320
FY 2014 Plans: Conduct and support test activities for AFATDS development of Version 6.9			
Accomplishments/Planned Programs Subtotals		0.000	0.000
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks Increment 2 Procurement funding line has not been identified.			
D. Acquisition Strategy AFATDS began fielding in FY1996, with the original AFATDS Version 96. It has been updated with subsequent releases reflecting the Spiral development strategy of the program. With the completion of AFATDS Version 6.8.X in 2Q FY2015, AFATDS Increment 1 will have achieved Full Operational Capability (FOC). The Joint Requirements Oversight Council (JROC) issued a memorandum in June 2011 approving the Capability Development Document (CDD) for AFATDS Increment 2. Additionally in the memorandum, the JROC validated the Key Performance Parameters, assigned oversight authority to the Fires Center of Excellences Fire Support Command and Control Tactical Software Governance Board, and set a funding ceiling. These actions support the use of the emerging DoD 5000 systems acquisition approach for Information Technology (IT) (IT Box model). AFATDS Increment 2 development will follow the IT Box Model for systems acquisition. AFATDS Increment 2 will be developed using an incremental approach that will employ fielded and emerging digital platforms, communications systems technology and architecture, and spaced-based systems, to virtually interconnect via web-enabled networks to exploit the capabilities of Fires platforms and precision munitions. Increment 2 will provide a surface-to-surface Joint Fires asset manager building on the existing capabilities and functions of the current fielded AFATDS. It will provide			

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Army		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>	PROJECT DU5: <i>AFATDS Increment II</i>
<p>additional targeting and decision aids, Situational Awareness (SA), Battlefield Visualization, Information Operations (IO) management aids, and control/coordination and synchronization capabilities for all types of Fires assets to include electronic attack. The AFATDS Increment 2, unlike the current increment of AFATDS, will be based on a net-centric application with open modular service oriented architecture and a decentralized processing approach, which will make it effective, flexible, survivable, mobile, user friendly, and simple to maintain. This increment will also be developed to enable the establishment of detached or decentralized work platforms and applications when network services or connections are not available. Using the current AFATDS Increment 1 software and functionality as a basis, AFATDS Increment 2 will provide three distinct software applications – Fire Direction, Fire Control, and Fire Support - that will provide a less complicated AFATDS package to the Warfighter that will simplify training and support ease of use. The fire direction application will provide the battery and platoon FDC's the functionality to perform mission processing and reporting. The fire control application will permit the user to analyze the systems in his command supported relationship and supporting units. The Fire Support application will be used for coordination of fires assets within his area of influence primarily at Fire Support Elements (FSEs) and Fire Support Coordination Cells (FSCCs.). AFATDS Increment 2 capabilities will be developed over three distinct software versions - Versions 6.9, 7.0 and 7.1. It is planned to award AFATDS Version 6.9 via full and open competition. The acquisition strategy for the award of the follow on versions of AFATDS software will be determined after the award of the Version 6.9 software Preliminary Design Review.</p> <p>AFATDS v6.9 will modernize and re-architect the AFATDS software to align with the requirements of the Inc 2 CDD.</p> <p>E. Performance Metrics</p> <p>Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Army												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>								R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>				PROJECT DU5: <i>AFATDS Increment II</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
Program Management for Increment 2 Support	SS/BA	PM Mission Command (MC):APG, MD	0.000	-		-		0.565	Oct 2013	-		0.565	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.000		0.565		0.000		0.565			
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
Software Development of AFATDS Version 6.9	C/TBD	TBD:TBD	0.000	-		-		10.100	May 2014	-		10.100	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.000		10.100		0.000		10.100			
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
Information Assurance and Engineering Support for AFATDS Version 6.9	C/TBD	TBD:TBD	0.000	-		-		0.155	May 2014	-		0.155	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.000		0.155		0.000		0.155			
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
Test Support for AFATDS Version 6.9	C/TBD	TBD:TBD	0.000	-		-		0.875	May 2014	-		0.875	Continuing	Continuing	Continuing
Limited User Test/ Government Confidence	SS/BA	Army Test & Evaluation Command	0.000	-		-		0.445	May 2014	-		0.445	Continuing	Continuing	Continuing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Army												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>						R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>						PROJECT DU5: <i>AFATDS Increment II</i>			

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
Demo for AFATDS Version 6.9		(ATEC)/Fires Test Directorate (FTD):Various Locations													
Subtotal			0.000	0.000		0.000		1.320		0.000		1.320			

	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	0.000	0.000	12.140	0.000	12.140			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Army												DATE: April 2013							
APPROPRIATION/BUDGET ACTIVITY								R-1 ITEM NOMENCLATURE								PROJECT			
2040: Research, Development, Test & Evaluation, Army								PE 0203726A: Adv Field Artillery Tactical								DU5: AFATDS Increment II			
BA 7: Operational Systems Development								Data System											

	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
	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
Materiel Development Decision (MDD)																												
Build Decision (Milestone)																												
Implementation & Deployment for V.6.9																												
Fielding V.6.9																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Army			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>	PROJECT DU5: <i>AFATDS Increment II</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Materiel Development Decision (MDD)	3	2013	3	2013
Build Decision (Milestone)	4	2014	4	2014
Implementation & Deployment for V.6.9	4	2014	1	2018
Fielding V.6.9	2	2018	2	2018

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Army									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0203726A: Adv Field Artillery Tactical Data System				PROJECT F19: JADOCS			
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
F19: JADOCS	-	11.138	8.595	6.563	-	6.563	12.979	11.261	9.383	5.927	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												
JADOCS software provides joint and organic fire support management, and Common Operational Picture (COP) capabilities. JADOCS complies with DoD and previously identified JFCOM guidance, and complements the Mission Command architecture with joint and collaborative capabilities that can be employed and tailored based on unit mission and operational situation. JADOCS software supports integration between multiple Joint Command and Control (C2) systems of the uniformed Services involved in the targeting process at United States Air Force (USAF) Air Operations Centers (AOCs), United States Navy (USN) Fleet Maritime Operations Centers (MOCs), United States Marine Corps (USMC) Combat Operations Centers (COCs), staff sections at the regional Combatant Commands (CCMDs), United States Special Operations Command (USSOCOM) and Army Battlefield Coordination Detachments (BCDs) and Army Service Component Command (ASCC) at Division and higher.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: JADOCS Software Development Efforts costs. <div>Articles:</div> Description: Complete development version 1.0.5.2 (Phase 1 and 2), Initiate development of version 1.0.5.3 (COE version 2). FY 2012 Accomplishments: Supported operational requirements (maintenance of existing capabilities). FY 2013 Plans: Complete support of operational requirements (maintenance of existing capability) and fielding of version 1.0.5.2 (Phase 1) and complete support of operational requirements (maintenance of existing capability) and fielding of version 1.0.5.2 (Phase 2). FY 2014 Plans: Modernize the JADOCS software and develop JADOCS widgets.									10.0370	6.8100	5.148	
Title: Program Support Costs for JADOCS Software Development Efforts <div>Articles:</div>									0.0600	0.0650	1.140	
Description: Program support for JADOCS software development efforts for version 1.0.5.2 (Phase 1 and 2), and version 1.0.5.3 Common Operating Environment (COE) version 2.												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Army		DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0203726A: Adv Field Artillery Tactical Data System	PROJECT F19: JADOCS		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013	FY 2014
FY 2012 Accomplishments: Supported program costs for JADOCS software development efforts.				
FY 2013 Plans: Continues the program support for JADOCS software development efforts.				
FY 2014 Plans: Future program support for JADOCS software development.				
Title: Testing	Articles:	0.110	0.420	0.275
		0	0	
Description: Conduct and Support Army and Joint Testing Activities.				
FY 2012 Accomplishments: Conducted and supported Army and Joint testing activities.				
FY 2013 Plans: Continued support of Army and Joint testing activities.				
FY 2014 Plans: Future support of Army and Joint testing activities.				
Title: Contractor Management Services and Support.	Articles:	0.931	1.300	0.000
		0	0	
Description: Funds the System Engineering and Technical Assistance received by Liason Officers and JADOCS training managers.				
FY 2012 Accomplishments: Funded program support for JADOCS training activities.				
FY 2013 Plans: Continues program support for JADOCS training activities.				
Accomplishments/Planned Programs Subtotals		11.138	8.595	6.563
C. Other Program Funding Summary (\$ in Millions)				
N/A				

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Army		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>	PROJECT F19: JADOCS
C. Other Program Funding Summary (\$ in Millions)		
Remarks		
<p>D. Acquisition Strategy</p> <p>JADOCS began as a Defense Advanced Research Projects Agency technology demonstration, and has evolved through a series of Army-led Joint Advanced Concept Technology Demonstrations (ACTDs), culminating in a joint and combined deployed operational capability. The Vice Chief of Staff of the Army approved JADOCS for acquisition program status under the Capabilities Development for Rapid Transition (CDRT) process. The approved JADOCS Capability Production Document (CPD) dated 16 April 2012, documents the current JADOCS threshold capabilities that are in the field today. As the lead agency for managing JADOCS capabilities within the Department of Defense, the Fires Center of Excellence, tailored the JADOCS CPD to incorporate Field Artillery tasks not included in the currently fielded version (v 1.0.5.1) of the software. JADOCS retirement will occur when system capabilities are individually or collectively incorporated into Army, Service, or Joint programs or are no longer needed as determined by its multi-Service users. JADOCS Increment 1 will be managed as an Information Technology (IT) program under the IT Box Construct with periodic software updates. JADOCS Increment 1 will support any software refinements / modifications to enable enhancements identified by the Warfighter. Future increments of JADOCS will address operational lessons learned, changes in the Joint Operation Centers (JOCs) and the Joint Information Center (JIC), integrated architectures and optimizing the use of the Global Information Grid (GIG) with web based applications.</p> <p>The JADOCS program strategy is to capture and sustain JADOCS capabilities IAW the approved JADOCS CPD dated 16 April 2012. All JADOCS Targeting and Fires capabilities required by the US Army and US Marine Corps, not already in AFATDS, will be captured in the AFATDS Increment 1 product, along with any appropriate interoperability, architecture modernization and web application modernizations that may be needed. All other capabilities will be captured in other Army, Service or Joint programs or otherwise sustained, updated, and enhanced as specified by the Warfighter in future increments of JADOCS (until no longer needed as determined by its multi-Service users). An objective of the Increment 1 effort will be to modernize the JADOCS software and develop JADOCS widgets and provide inter- widget communications in accordance with TCM Fires Cells requirements and the requirements of COE. These widgets will support the Warfighting Function (WFF) for the sharing of data and collaboration between unit Commanders and their Staff sections.</p> <p>A draft JADOCS Acquisition Decision Memorandum (ADM) has been prepared and is currently under review by the HQDA staff. This ADM will be presented to the Army Acquisition Executive (AAE) for review and signature. It is expected that the AAE will sign the ADM in April 2013. Under the provisions of the ADM, JADOCS will be established as a formal Army Acquisition Program with milestone decision authority (MDA) delegated to the Program Executive Office, Command, Control and Communications-Tactical (PEO C3T) and entry into the acquisition life cycle at Milestone C. It is projected that the Milestone C Decision Review will be held in 2QFY14.</p>		
E. Performance Metrics		
Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Army												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development						R-1 ITEM NOMENCLATURE PE 0203726A: Adv Field Artillery Tactical Data System						PROJECT F19: JADOCS			
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
Business/Technical Services	Various	Chenega Federal Systems:Various	2.323	0.931	Jan 2012	1.300	Jan 2012	-		-		-	Continuing	Continuing	Continuing
Subtotal			2.323	0.931		1.300		0.000		0.000		0.000			
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
Software Development & Test	C/CPFF	Oberon Associates INC.:Manassas, Virginia	2.995	10.037	Jul 2012	6.810	Mar 2013	-		-		-	Continuing	Continuing	Continuing
Software Development & Test	C/CPFF	TBD:TBD	0.000	-		-		5.148	Mar 2014	-		5.148	0.000	5.148	0.000
Subtotal			2.995	10.037		6.810		5.148		0.000		5.148			
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
Program Management - Government	Various	PM Mission Command (MC):APG, MD	0.695	0.060		0.065	Jan 2013	1.140	Jan 2014	-		1.140	Continuing	Continuing	Continuing
Subtotal			0.695	0.060		0.065		1.140		0.000		1.140			
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
Army and Joint Test Support	Various	Joint Service Testing:Various	2.587	0.110	Jun 2012	0.420	Dec 2012	0.275	Dec 2013	-		0.275	Continuing	Continuing	Continuing
Subtotal			2.587	0.110		0.420		0.275		0.000		0.275			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Army										DATE: April 2013							
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0203726A: Adv Field Artillery Tactical Data System					PROJECT F19: JADOCS							
					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					8.600	11.138		8.595		6.563		0.000		6.563			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Army			DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>			R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>		
			PROJECT F19: JADOCS		

	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
	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
Acquisition Decision Memorandum (ADM) signed by Army Acquisition Executive																												
Software Development and Testing - V1.0.5.2 (CS 11-12)																												
MIDB Tech Testing - V1.0.5.2 (CS 11-12)																												
Government Confidence Demonstration (GCD) V1.0.5.2 (CS 11-12)																												
Final Integration Test - V1.0.5.2 (CS 11-12)																												
Army Interoperability Certification - V1.0.5.2 (CS 11-12)																												
Materiel Release - V1.0.5.2, (CS 11-12)																												
Fielding - V1.0.5.2, (CS 11-12)																												
Milestone C																												
Draft for Comment RFP - JADOCS Maintenance and Widgets.																												
Software Development and Testing - JADOCS Maintenance and Widgets.																												
Materiel Release - JADOCS Maintenance and Widgets.																												
Fielding - JADOCS Maintenance and Widgets.																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Army			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>	PROJECT F19: JADOCS	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Acquisition Decision Memorandum (ADM) signed by Army Acquisition Executive	3	2013	3	2013
Software Development and Testing - V1.0.5.2 (CS 11-12)	4	2012	2	2014
MIDB Tech Testing - V1.0.5.2 (CS 11-12)	4	2012	4	2012
Government Confidence Demonstration (GCD) V1.0.5.2 (CS 11-12)	1	2013	1	2013
Final Integration Test - V1.0.5.2 (CS 11-12)	3	2013	4	2013
Army Interoperability Certification - V1.0.5.2 (CS 11-12)	1	2014	1	2014
Materiel Release - V1.0.5.2, (CS 11-12)	2	2014	2	2014
Fielding - V1.0.5.2, (CS 11-12)	2	2014	3	2014
Milestone C	2	2014	2	2014
Draft for Comment RFP - JADOCS Maintenance and Widgets.	3	2014	3	2014
Software Development and Testing - JADOCS Maintenance and Widgets.	3	2015	1	2018
Materiel Release - JADOCS Maintenance and Widgets.	1	2018	1	2018
Fielding - JADOCS Maintenance and Widgets.	2	2018	2	2018