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Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Army **Date:** February 2016

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0203726A / <i>Adv Field Artillery Tactical Data System</i>
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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	-	1.224	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	1.224
DU5: <i>AFATDS Increment II</i>	-	1.224	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	1.224

Note

The program office was directed to move all non-AFATDS Increment II funding out of the AFATDS PE 0203726A (PB2014 BLIN 161) to comply with the Major Automated Information System (MAIS) transparency guidance. The Joint Automated Deep Operation Coordination System (JADOCs) PE 0203728A will contain three project codes: project code EF6 justifies the Joint Automated Deep Operations Coordination System (JADOCs) Version (v) 2.0 development; project code EF7 justifies the Pocket-sized Forward Entry Device (Increment II) development; and project code EF8 justifies the Advanced Field Artillery Tactical Data System (AFATDS) (Increment I).

The Army Acquisition Executive (AAE) determined that AFATDS Increment 2 (program element 0203726A project code DU5) was a software modernization effort of the existing AFATDS program. The Army moved funding for AFATDS Increment 2 from program element 0203726A project code DU5, to the current AFATDS funding (program element 0203728A project code EF8) as AFATDS version 7.0. Previous "AFATDS Increment 1" efforts are delineated as V6.8.x in program element 0203728A project code EF8.

A. Mission Description and Budget Item Justification

The Advanced Field Artillery Tactical Data System (AFATDS) provides the Army, Navy, and Marine Corps automated fire support command, control and communications. AFATDS is used to plan, execute, and deliver lethal and non-lethal effects. AFATDS provides Joint/Coalition Situational Awareness for fires execution and mission management. The system interoperates and integrates with over 80 different battlefield systems, including Navy and Air Force command and control weapon systems; and the German, French, Turkish, and Italian fire support systems. AFATDS automates the planning, coordination, and control 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). AFATDS provides eleven core services that manage user input and handle dissemination of complex fires processes. These core services are: Attack/Engagement Analysis, Fire Support Planning, Mission Guidance, Target Definition, Mission Area Definition, Cross-System Graphics/Mapping management, Unit Task Organization Data, Fires Conflict Detection, Mobile Air/Ground Tracking, Mission Execution and Mission Trigger Events. These AFATDS services promote situational awareness of 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.

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B. Program Change Summary (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Previous President's Budget	1.273	0.000	0.000	-	0.000
Current President's Budget	1.224	0.000	0.000	-	0.000
Total Adjustments	-0.049	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.049	-			

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Army **Date:** February 2016

Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203726A / Adv Field Artillery Tactical Data System	Project (Number/Name) DU5 / AFATDS Increment II
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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
DU5: AFATDS Increment II	-	1.224	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	1.224
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

Note

The Army Acquisition Executive (AAE) determined that AFATDS Increment 2 (program element 0203726A project code DU5) is a software modernization effort of the existing AFATDS program. Therefore, the Army moved funding for AFATDS Increment 2 from program element 0203726A project code DU5, to the current AFATDS funding (program element 0203728A project code EF8) as AFATDS version 7.0. Previous "AFATDS Increment 1" efforts are delineated as V6.x in program element 0203728A project code EF8.

A. Mission Description and Budget Item Justification

The Advanced Field Artillery Tactical Data System (AFATDS) provides the Army, Navy, and Marine Corps automated fire support command, control and communications. AFATDS is used to plan, execute, and deliver lethal and non-lethal effects. AFATDS provides Joint/Coalition Situational Awareness for fires execution and mission management. The system interoperates and integrates with over 80 different battlefield systems, including Navy and Air Force command and control weapon systems; and the German, French, Turkish, and Italian fire support systems. AFATDS automates the planning, coordination, and control 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).

AFATDS provides eleven core services that manage user input and handle dissemination of complex fires processes. These core services are: Attack/Engagement Analysis, Fire Support Planning, Mission Guidance, Target Definition, Mission Area Definition, Cross-System Graphics/Mapping management, Unit Task Organization Data, Fires Conflict Detection, Mobile Air/Ground Tracking, Mission Execution and Mission Trigger Events. These AFATDS services promote situational awareness of 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.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2015	FY 2016	FY 2017
Title: Program Support Costs for AFATDS software development	0.140	-	-
Description: Provide program support for AFATDS software development efforts for Version 7.0			
FY 2015 Accomplishments: Provide program support for AFATDS software development efforts for Version 7.0. Program managements functions include oversight, planning, engineering, business, funds execution and contract management.			
Title: AFATDS V7.0 Acquisition and Contracting Efforts	1.084	-	-

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2015	FY 2016	FY 2017
Description: Risk reduction analysis, solution refinement and initiate software development of version 7.0.				
FY 2015 Accomplishments: Conduct Risk Reduction Analysis, Solution Refinement, Requirements Development, RFP Development for AFATDS V7.0.				
Accomplishments/Planned Programs Subtotals		1.224	-	-
C. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
D. Acquisition Strategy Development of future AFATDS capabilities will be considered based on requirements approved through the Fires Center of Excellence (FCoE) Tactical Software Requirements Governance Board.				
E. Performance Metrics N/A				

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Exhibit R-4, RDT&E Schedule Profile: PB 2017 Army **Date:** February 2016

Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203726A / Adv Field Artillery Tactical Data System	Project (Number/Name) DU5 / AFATDS Increment II
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Event Name	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
	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
AFATDS V7.0 Risk Reduction Analysis, Solution Refinement.																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Army		Date: February 2016
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203726A / <i>Adv Field Artillery Tactical Data System</i>	Project (Number/Name) DU5 / <i>AFATDS Increment II</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
AFATDS V7.0 Risk Reduction Analysis, Solution Refinement.	4	2015	1	2016

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