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Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Army										Date: March 2019		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
2040: Research, Development, Test & Evaluation, Army I BA 7: Operational Systems Development					PE 0203728A I Joint Automated Deep Operation Coordination System (JADOCS)							
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	-	32.256	30.915	47.398	-	47.398	34.289	14.208	8.688	3.500	0.000	171.254
EF7: Precision Fires Warrior Dismounted & Mounted	-	4.355	3.879	3.500	-	3.500	3.500	3.500	3.500	3.500	0.000	25.734
EF8: AFATDS Increment 1	-	27.901	27.036	43.898	-	43.898	30.789	10.708	5.188	0.000	0.000	145.520

A. Mission Description and Budget Item Justification

FSC2 supports the Army's Network Modernization Strategy Lines of Efforts: LOE 2 Common Operating Environment

Precision Fires-Dismounted/Mounted (PF-D/M), formerly known as Pocket-sized Forward Entry Device (PFED) Increment II is a software application that operates on the Nett Warrior End User Device (EUD). It will provide the dismounted Forward Observer (FO) and Fire Support Teams (FISTs) the capability and functionality to accurately and rapidly locate ground targets and digitally process a Call For Fire, precision targeting, DACAS and video. PFED Increment II answers the Mobile Handheld Computing Environment requirement that all handheld applications reside on the Nett Warrior EUD. PFED supports the Army's Network Modernization Strategy Lines of Efforts: LOE 2 Common Operating Environment

Advanced Field Artillery Tactical Data System (AFATDS) 7.0 modernizes the existing AFATDS program currently in the field. AFATDS 7.0 enhances the existing AFATDS baseline by: (1) Providing a modernized web service based backend that will simplify long-term maintenance of the software, (2) Bringing AFATDS into full compliance with the Army's Common Operating Environment (COE) Command Post Computing Environment (CPCE) initiative and (3) Enhancing overall usability of the system through the implementation of a role-based capability architecture with embedded training that allows the AFATDS operator to receive on-the-spot training for any aspect of AFATDS via interactive instruction. AFATDS supports the Army's Network Modernization Strategy Lines of Efforts: LOE 2 Common Operating Environment

PF-D/M and AFATDS support Long Range Precision Fires (LRPF) CFT Extended Range Canon Artillery (ERCA), Extended Range Guided Multiple Launch Rocket System (ER-GMLRS), Precision Strike Missile System (PRSM) and Projectile Tracking System (PTS) initiatives. To support these LRPF initiatives AFATDS will serve as the key sensor to shooter link for the Army and USMC providing fully automated support for planning, coordinating, controlling and executing fires and effects.

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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0203728A I Joint Automated Deep Operation Coordination System (JADOCS)			
B. Program Change Summary (\$ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget	33.520	30.954	32.807	-	32.807
Current President's Budget	32.256	30.915	47.398	-	47.398
Total Adjustments	-1.264	-0.039	14.591	-	14.591
• Congressional General Reductions	-0.026	-0.039			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.238	-			
• Adjustments to Budget Years	-	-	14.591	-	14.591
Change Summary Explanation					
Funds were added in FY 2020 to facilitate software development of the CP CE Initiative C2IUL which will allow AFATDS to properly interface with COE systems. Funds also align development of AFATDS and PF-D/M to sensor and munition initiatives.					

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Army										Date: March 2019		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)				Project (Number/Name) EF7 / Precision Fires Warrior Dismounted & Mounted			
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
EF7: Precision Fires Warrior Dismounted & Mounted	-	4.355	3.879	3.500	-	3.500	3.500	3.500	3.500	3.500	0.000	25.734
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Precision Fires-Dismounted/Mounted (PF-D/M), formerly known as Pocket-sized Forward Entry Device (PFED) Increment II is a software application that operates on the Nett Warrior End User Device (EUD). It will provide the dismounted Forward Observer (FO) and Fire Support Teams (FISTs) the capability and functionality to accurately and rapidly locate ground targets and digitally process a Call For Fire. PFED Increment II answers the Mobile Handheld Computing Environment requirement that all handheld applications reside on the Nett Warrior EUD. The Army PF-D/M funding line supports the Army's Network Modernization Strategy Lines of Efforts: LOE 2 Common Operating Environment. FY 2020 funding of \$3.500 million supports the evolutionary software development and testing of PF-D/M and transition to the mounted computing environment.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2018	FY 2019	FY 2020	
Title: Program Management Support Costs for PF-D/M Description: Program support for PFED INC II software development efforts. FY 2019 Plans: Provide Program Management Office (PMO) support (Core, Matrix, and SETA) for all aspects of the PF-D/M program including requirements development, software development efforts, logistics, and business management support. FY 2020 Plans: Will provide Program Management Office (PMO) support (Matrix, and SETA) for all aspects of the PF-D/M program including requirements development, software development efforts, logistics, and business management support. FY 2019 to FY 2020 Increase/Decrease Statement: Management cost increase cost due to economic factors.									0.662	0.390	0.438	
Title: PFED INC II Software Development Description: PFED INC II Software Development FY 2019 Plans:									3.343	3.097	2.895	

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Army							Date: March 2019				
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)			Project (Number/Name) EF7 / Precision Fires Warrior Dismounted & Mounted				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2018	FY 2019	FY 2020		
Development and testing of Block 2 capabilities. Complete hardware/software integration with Nett Warrior EUD and MFOCS. Complete software Information Assurance certification. FY 2020 Plans: Will continue development and testing of Block 2 capabilities. Complete hardware/software integration with Nett Warrior EUD and MFOCS. Complete software Information Assurance certification. FY 2019 to FY 2020 Increase/Decrease Statement: Development requirements decreasing as development moves to fielding.											
Title: Testing Description: Conduct and Support Army Testing Activities FY 2019 Plans: Prepare and execute Engineering Release Evaluation/Testing. FY 2020 Plans: Continue to prepare and execute Engineering Release Evaluation/Testing. FY 2019 to FY 2020 Increase/Decrease Statement: Test requirements decreasing as development moves to fielding.							0.350	0.250	0.167		
Title: FY 2019 SBIR / STTR Transfer Description: FY 2019 SBIR / STTR Transfer FY 2019 Plans: FY 2019 SBIR / STTR Transfer FY 2019 to FY 2020 Increase/Decrease Statement: FY 2019 SBIR / STTR Transfer							-	0.142	-		
Accomplishments/Planned Programs Subtotals							4.355	3.879	3.500		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
• BZ9851: POCKET FORWARD ENTRY DEVICE (PFED)	4.213	10.644	8.620	-	8.620	-	-	-	-	Continuing	Continuing

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Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)				Project (Number/Name) EF7 / Precision Fires Warrior Dismounted & Mounted			
C. Other Program Funding Summary (\$ in Millions)											
			<u>FY 2020</u>	<u>FY 2020</u>	<u>FY 2020</u>					<u>Cost To</u>	
<u>Line Item</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>Complete</u>	<u>Total Cost</u>
Remarks											
D. Acquisition Strategy											
<p>On 18 May 2015, the Milestone Decision Authority (PEO C3T) signed the Acquisition Decision Memorandum (ADM) approving the PFED Increment II Milestone B. The Acquisition Decision Memorandum (ADM) officially approved entry into the Development phase as an Acquisition Category (ACAT) III program. The system received a limited deployment decision in Dec 2016 to enter into operational test and subsequently expects to receive full material release in Jan 2018</p> <p>PF-D/M leverages an Army Science and Technology investment by transitioning a software application that has been developed and used in proponent experimentation events (e.g. Army Expeditionary Warrior Experiment (AEWE) and Bold Quest). Upon a successful Milestone B decision in FY2015, this software application transitioned to PM Mission Command to conduct all Army developmental and operational test and evaluation requirements. PF-D/M will be integrated onto the Nett Warrior End User Devices (EUDs) and will be fielded by PM Soldier Warrior (PM SWAR). Training on the PF-D/M software will be conducted by PM Mission Command as units are fielded the capability.</p> <p>PM Mission Command will continue to manage future capability blocks of software development. while continuing to coordinate with PM SWAR to field and train future versions of the software, as described above.</p>											
E. Performance Metrics											
N/A											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army												Date: March 2019			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)				Project (Number/Name) EF7 / Precision Fires Warrior Dismounted & Mounted					
Management Services (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Support for PFED Inc2 (CORE)	Sub Allot	PM Mission Command (MC) : APG, MD	-	0.100		-		-		-		-	0.000	0.100	-
Program Management Support for PFED Inc2 (Matrix)	IA	Various Mix Orgs (Govt) : APG, MD	0.075	0.226		0.190		0.226		-		0.226	0.000	0.717	-
Program Management Support for PFED Inc2 (SETA)	C/FFP	CRSA : APG, MD	-	0.450		0.200		0.212		-		0.212	0.000	0.862	-
Subtotal			0.075	0.776		0.390		0.438		-		0.438	0.000	1.679	N/A
Product Development (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PFED Increment II Software Development efforts	IA	AMRDEC : Redstone, AL	7.582	2.866		3.097		2.895		-		2.895	Continuing	Continuing	Continuing
FY 2019 SBIR / STTR Transfer	TBD	TBD : TBD	-	-		0.142		-		-		-	0.000	0.142	-
Subtotal			7.582	2.866		3.239		2.895		-		2.895	Continuing	Continuing	N/A
Remarks SW development contract awarded 6 October 2017															
Support (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Support	Various	PM Mission Command (MC) : APG, MD	1.154	0.363		-		-		-		-	Continuing	Continuing	Continuing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army												Date: March 2019			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)				Project (Number/Name) EF7 / Precision Fires Warrior Dismounted & Mounted					
Support (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			1.154	0.363		-		-		-		-	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 (Engineering Release)	Various	Testing : Various	0.806	0.350		0.250		0.167		-		0.167	Continuing	Continuing	Continuing
Subtotal			0.806	0.350		0.250		0.167		-		0.167	Continuing	Continuing	N/A
			Prior Years	FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			9.617	4.355		3.879		3.500		-		3.500	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army

Date: March 2019

Appropriation/Budget Activity

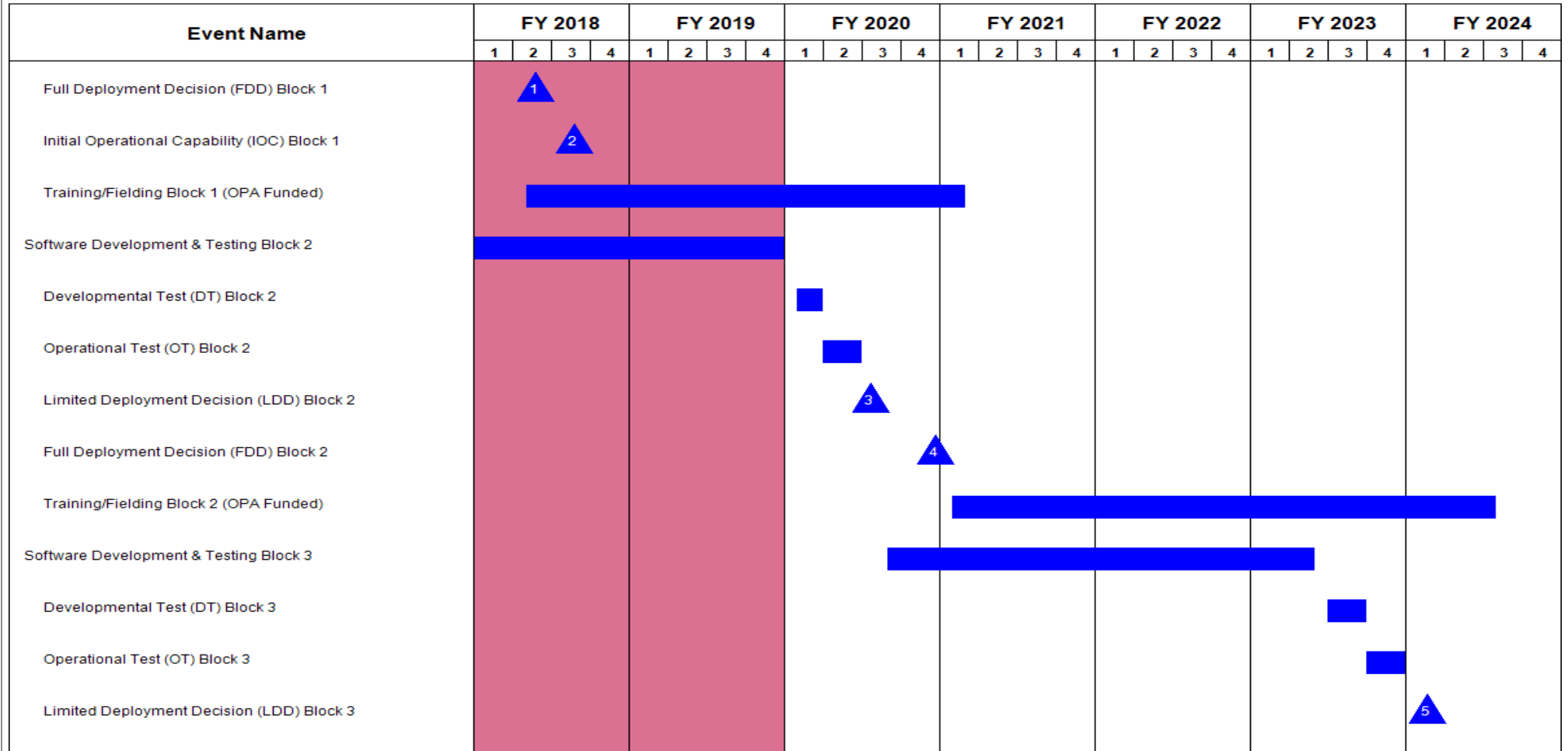
2040 / 7

R-1 Program Element (Number/Name)

PE 0203728A / Joint Automated Deep
Operation Coordination System (JADOCS)

Project (Number/Name)

EF7 / Precision Fires Warrior Dismounted &
Mounted



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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army			Date: March 2019		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)		Project (Number/Name) EF7 / Precision Fires Warrior Dismounted & Mounted	

Event Name	FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024			
	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
Full Deployment Decision (FDD) Block 3																												
Training/Fielding Block 3 (OPA Funded)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army			Date: March 2019
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)	Project (Number/Name) EF7 / Precision Fires Warrior Dismounted & Mounted	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Software Development & Testing Block 1	3	2015	3	2017
Developmental Test (DT) Block 1	1	2017	1	2017
Operational Test (OT) Block 1	2	2017	2	2017
Full Deployment Decision (FDD) Block 1	2	2018	2	2018
Initial Operational Capability (IOC) Block 1	3	2018	3	2018
Training/Fielding Block 1 (OPA Funded)	2	2018	1	2021
Software Development & Testing Block 2	1	2018	4	2019
Developmental Test (DT) Block 2	1	2020	1	2020
Operational Test (OT) Block 2	2	2020	2	2020
Limited Deployment Decision (LDD) Block 2	3	2020	3	2020
Full Deployment Decision (FDD) Block 2	4	2020	4	2020
Training/Fielding Block 2 (OPA Funded)	1	2021	3	2024
Software Development & Testing Block 3	3	2020	2	2023
Developmental Test (DT) Block 3	3	2023	3	2023
Operational Test (OT) Block 3	4	2023	4	2023
Limited Deployment Decision (LDD) Block 3	1	2024	1	2024
Full Deployment Decision (FDD) Block 3	3	2024	3	2024
Training/Fielding Block 3 (OPA Funded)	3	2024	2	2027

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Army										Date: March 2019		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)				Project (Number/Name) EF8 / AFATDS Increment 1			
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
EF8: AFATDS Increment 1	-	27.901	27.036	43.898	-	43.898	30.789	10.708	5.188	0.000	0.000	145.520
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Advanced Field Artillery Tactical Data System (AFATDS) 7.0 modernizes the existing AFATDS software currently in the field. AFATDS 7.0 enhances the existing AFATDS baseline by: (1) Providing a modernized web service based backend that will simplify long-term maintenance of the software, (2) Bringing AFATDS into full compliance with the Army's Common Operating Environment (COE) Command Post Computing Environment (CPCE) initiative and (3) Enhancing overall usability of the system through the implementation of a role-based capability architecture with embedded training that allows the AFATDS operator to receive on-the-spot training for any aspect of AFATDS via interactive instruction.												
The Army Advanced Field Artillery Tactical Data System (AFATDS) 7.0 funding line supports the Army's Network Modernization Strategy Lines of Efforts: LOE 2 Common Operating Environment.												
FY 2020 funding in the amount of \$43.898 million will be used to continue development efforts on AFATDS version 7.0.												
PF-D/M and AFATDS support Long Range Precision Fires (LRPF) CFT Extended Range Canon Artillery (ERCA), Extended Range Guided Multiple Launch Rocket System (ER-GMLRS), Precision Strike Missile System (PRSM) and Projectile Tracking System (PTS) initiatives. To support these LRPF initiatives AFATDS will serve as the key sensor to shooter link for the Army and USMC providing fully automated support for planning, coordinating, controlling and executing fires and effects.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2018	FY 2019	FY 2020	
Title: Program Management Costs for AFATDS software development									2.560	2.416	4.388	
Description: Provide program support for AFATDS software development efforts.												
FY 2019 Plans: Provide Program Management Office (PMO) support (Core, Matrix, and SETA) for all aspect of the AFATDS program including requirements analysis, software development efforts, logistics, and business management support.												
FY 2020 Plans: Continue to provide Program Management Office (PMO) support (Matrix, and SETA) for all aspect of the AFATDS program including requirements analysis, software development efforts, logistics, and business management support.												
FY 2019 to FY 2020 Increase/Decrease Statement:												

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Army									Date: March 2019		
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)				Project (Number/Name) EF8 / AFATDS Increment 1			
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2018	FY 2019	FY 2020
Funds were added in FY 2020 to increase program management costs to facilitate software development to develop CP CE Initiative C2IUL this will allow AFATDS to properly interface with COE systems. Funds also assist with management costs to align development of AFATDS and PF-D/M to Long Range Precision Fires (LRPF) CFT sensor and munition initiatives.											
Title: AFATDS software development efforts									25.341	23.629	39.510
Description: Development of AFATDS 7.0 software											
FY 2019 Plans: Continue to focus on the AFATDS v7.0 effort to include building fire support, fire control and fire direction role based capabilities, integrating available CP CE v3 common components, and updating the user interface for the application.											
FY 2020 Plans: Development will continue to focus on the AFATDS v7.0 effort to include building fire support, fire control and fire direction role based capabilities, integrating available CP CE v3 common components, and updating the user interface for the application.											
FY 2019 to FY 2020 Increase/Decrease Statement: Funds were added in FY 2020 to facilitate software development to develop CP CE Initiative C2IUL this will allow AFATDS to properly interface with COE systems. Funds also align development of AFATDS and PF-D/M to Long Range Precision Fires (LRPF) CFT sensor and munition initiatives.											
Title: FY 2019 SBIR / STTR Transfer									-	0.991	-
Description: FY 2019 SBIR / STTR Transfer											
FY 2019 Plans: FY 2019 SBIR / STTR Transfer											
FY 2019 to FY 2020 Increase/Decrease Statement: FY 2019 SBIR / STTR Transfer											
Accomplishments/Planned Programs Subtotals									27.901	27.036	43.898
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
• B28620: MOD OF IN-SVC EQUIP, AFATDS	2.765	6.830	4.083	-	4.083	-	-	-	-	0.000	13.678

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Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0203728A / <i>Joint Automated Deep Operation Coordination System (JADOCS)</i>				Project (Number/Name) EF8 / <i>AFATDS Increment 1</i>			
C. Other Program Funding Summary (\$ in Millions)											
			<u>FY 2020</u>	<u>FY 2020</u>	<u>FY 2020</u>					<u>Cost To</u>	
<u>Line Item</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>Complete</u>	<u>Total Cost</u>
Remarks											
D. Acquisition Strategy											
<p>On 13 May 2015, the Army Acquisition Executive (AAE) determined that a modernization of the existing Advanced Field Artillery Tactical Data System (AFATDS) software code is required to comply with Army Common Operating Environment (COE) standards to be executed as AFATDS 7.0. In V7.0, the PM will re-design AFATDS to provide the operator role/duty-based interaction, a dynamic embedded training capability, integration of COE compliant architectures and allowance for more efficient insertion of future capabilities.</p> <p>Development of future AFATDS capabilities will be considered based on requirements approved through the Fires Center of Excellence (FCoE) Tactical Software Requirements Governance Board.</p>											
E. Performance Metrics											
N/A											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army												Date: March 2019			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)				Project (Number/Name) EF8 / AFATDS Increment 1					
Management Services (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Support for AFATDS (Core)	Sub Allot	PM Mission Command (MC) : APG, MD	3.198	0.810		-		-		-		-	0.000	4.008	-
Program Management Support for AFATDS (Matrix)	IA	Various Matrix Orgs (Govt) : Aberdeen PG, MD	1.790	1.010		0.969		1.993		-		1.993	0.000	5.762	-
Program Management Support for AFATDS (SETA Contr)	C/FFP	CRSA : Aberdeen PG, MD	1.243	0.540		0.827		1.634		-		1.634	0.000	4.244	-
Program Management Support for AFATDS (FFRDC)	FFRDC	MITRE : APG, MD	-	0.200		0.183		0.761		-		0.761	0.000	1.144	-
Subtotal			6.231	2.560		1.979		4.388		-		4.388	0.000	15.158	N/A
Product Development (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 6.8.1.1	C/CPFF	Raytheon Systems Corp. : Ft. Wayne, IN	21.636	-		-		-		-		-	0.000	21.636	33.188
Software Development of AFATDS Version 7.0	C/CPFF	Leidos : Aberdeen, MD	21.931	25.341		24.066		38.317		-		38.317	0.000	109.655	-
FY 2019 SBIR / STTR Transfer	TBD	TBD : TBD	-	-		0.991		-		-		-	0.000	0.991	-
Subtotal			43.567	25.341		25.057		38.317		-		38.317	0.000	132.282	N/A
Remarks AFATDS 7.0 contract awarded 8 June 2017															

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Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)				Project (Number/Name) EF8 / AFATDS Increment 1					
Support (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 requirements	C/CPFF	CSC : Various Locations	1.060	-		-		0.774		-		0.774	0.000	1.834	-
Defensive Cyber Tools (T- PKI)	TBD	TBD : TBD	1.100	-		-		0.251		-		0.251	0.000	1.351	-
Subtotal			2.160	-		-		1.025		-		1.025	0.000	3.185	N/A
Test and Evaluation (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Confidence Demo for AFATDS V6.8.x requirements.	IA	Army Test & Evaluation Command (ATEC)/Fires Test Directorate (FTD) : Various Locations	0.626	-		-		-		-		-	0.000	0.626	-
Independent Verification and Validation of AFATDS V7.0 requirements	C/CPFF	Engility : Various Locations	1.538	-		-		0.168		-		0.168	0.000	1.706	-
Developmental Testing for AFATDS v7.0	IA	Multiple Govt Test Agencies (ATEC, ATC, EPG) : Multiple	0.750	-		-		-		-		-	0.000	0.750	-
Subtotal			2.914	-		-		0.168		-		0.168	0.000	3.082	N/A
			Prior Years	FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			54.872	27.901		27.036		43.898		-		43.898	0.000	153.707	N/A
Remarks															

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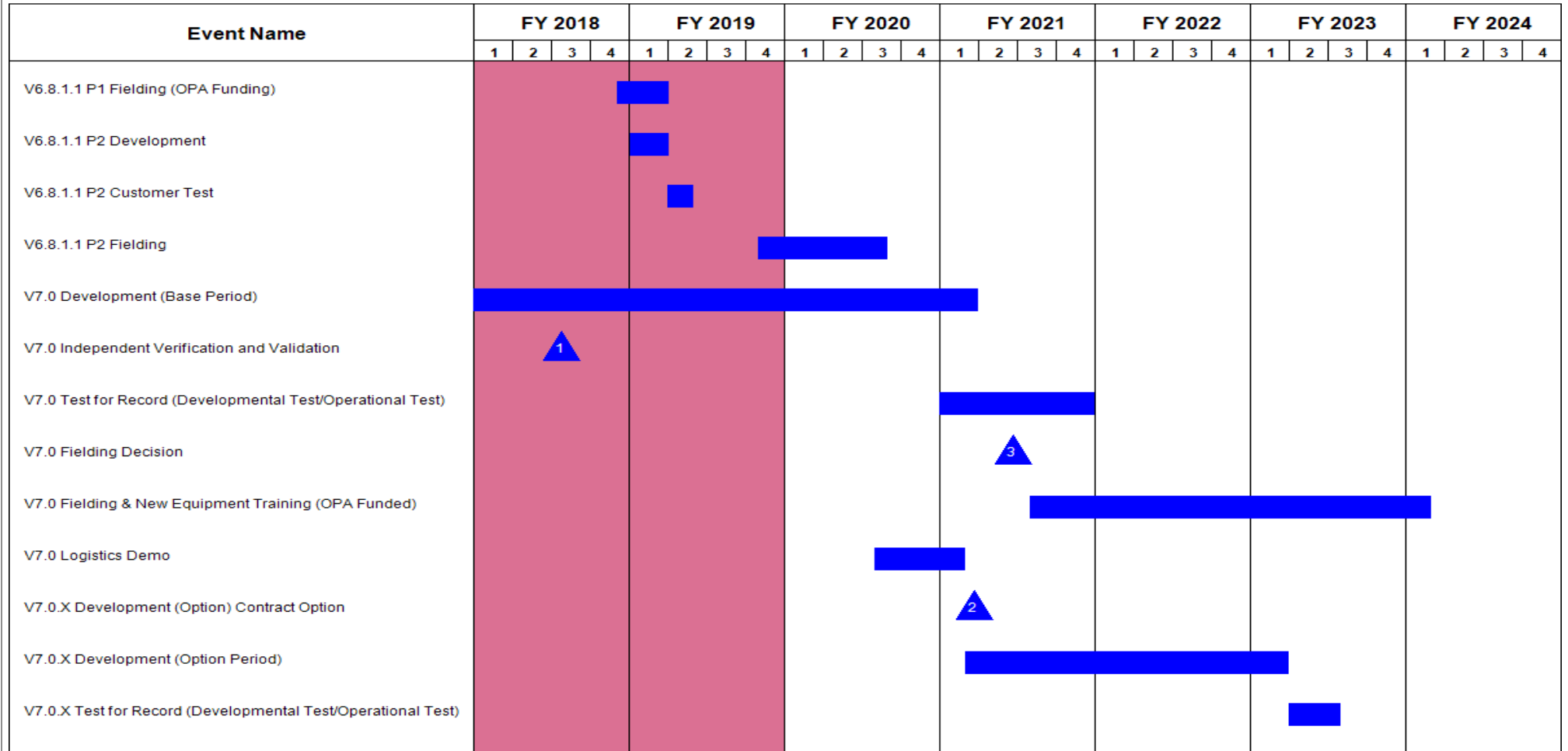
Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army

Date: March 2019

Appropriation/Budget Activity
2040 / 7

R-1 Program Element (Number/Name)
PE 0203728A / Joint Automated Deep
Operation Coordination System (JADOCS)

Project (Number/Name)
EF8 / AFATDS Increment 1



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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army																Date: March 2019																
Appropriation/Budget Activity 2040 / 7								R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)								Project (Number/Name) EF8 / AFATDS Increment 1																
Event Name	FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024							
	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				
V7.0.X Fielding Decision																					4											
V7.0.X Fielding																																

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Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army			Date: March 2019
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203728A / <i>Joint Automated Deep Operation Coordination System (JADOCS)</i>	Project (Number/Name) EF8 / <i>AFATDS Increment 1</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
V6.8.1.1 P1 Fielding (OPA Funding)	4	2018	1	2019
V6.8.1.1 P2 Development	1	2019	1	2019
V6.8.1.1 P2 Customer Test	2	2019	2	2019
V6.8.1.1 P2 Fielding	4	2019	3	2020
V7.0 Development (Base Period)	3	2017	1	2021
V7.0 Independent Verification and Validation	3	2018	3	2018
V7.0 Test for Record (Developmental Test/Operational Test)	1	2021	4	2021
V7.0 Fielding Decision	2	2021	2	2021
V7.0 Fielding & New Equipment Training (OPA Funded)	3	2021	1	2024
V7.0 Logistics Demo	3	2020	1	2021
V7.0.X Development (Option) Contract Option	1	2021	1	2021
V7.0.X Development (Option Period)	1	2021	1	2023
V7.0.X Test for Record (Developmental Test/Operational Test)	2	2023	3	2023
V7.0.X Fielding Decision	2	2023	2	2023
V7.0.X Fielding	4	2023	2	2025