

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0605380A / AMF Joint Tactical Radio System (JTRS)							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	-	10.213	6.882	-	6.882	12.346	-	-	-	-	29.44
EA9: Airborne Maritime Fixed - Small Airborne (AMF-SA)	-	-	10.213	6.882	-	6.882	12.346	-	-	-	-	29.44

The FY 2015 OCO Request will be submitted at a later date.

Note
Small Airborne Networking Radio (SANR) capability deferment; duration is to be determined.

A. Mission Description and Budget Item Justification
The Airborne Maritime/Fixed Station - Small Airborne (AMF-SA) radios are software programmable, multi-band, multi-mode, mobile ad hoc networking radios, providing simultaneous voice, data, and video communications. The radios will support the Common Operating Picture (COP), Situational Awareness (SA), and interoperability of Mission Command (MC) systems throughout the battlefield. AMF-SA must ensure the Soldier's ability to communicate both horizontally and vertically via voice and data within all mission areas and Common Operating Environment (COE). AMF radios will help close capability gaps by extending data networking to company and below echelons, enabling network services to the platform and connecting Army Aviation platforms to Army ground and Joint air network domains. Per Milestone Decision Authority (MDA) direction, the redefined AMF Program will procure radios as Non-Developmental Items (NDI).

AMF-SA will operate networking waveforms that are deployed by Joint Forces today, enable interoperability between different types of platforms, and transport operational and MC information through the tactical network. AMF-SA is relevant to the Joint Functional Concept (Net-Centric Environment), Joint Integrating Concept (Net-Centric Operational Environment), Joint Operating Concept (Major Combat Operations, Stability Operations), and JTRS Concept of Operations (Tactical Wireless Joint Networks).

The FY 2015 budget will provide funding that is necessary to complete integration and testing of the Small Airborne Link-16 Terminal (SALT) intended for fielding to AH-64E Apache Block III, exclusively Lot 6 and beyond aircraft . Specifically, the funding is needed to conduct Operational Assessments of the candidate products to demonstrate compliance with program requirements; assess effectiveness, suitability, and survivability; and to obtain material release. The funding will also support safety, spectrum supportability, and other certifications necessary to prepare the products for fielding .

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army				Date: March 2014	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)		PE 0605380A / AMF Joint Tactical Radio System (JTRS)			
B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	-	33.219	64.574	-	64.574
Current President's Budget	-	10.213	6.882	-	6.882
Total Adjustments	-	-23.006	-57.692	-	-57.692
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-23.006	-57.692	-	-57.692

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605380A / AMF Joint Tactical Radio System (JTRS)				Project (Number/Name) EA9 / Airborne Maritime Fixed - Small Airborne (AMF-SA)			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
EA9: Airborne Maritime Fixed - Small Airborne (AMF-SA)	-	-	10.213	6.882	-	6.882	12.346	-	-	-	-	29.441
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

The FY 2015 OCO Request will be submitted at a later date.

Note

In FY 2014-FY 2016, Project No. EA9 represents the total Airborne Maritime Fixed Small Airborne (AMF-SA) RDT&E budget for those years. In FY 2014, RDT&E funding for Airborne Maritime/Fixed Station Joint Tactical Radio Systems (AMF JTRS) transitioned from a Navy Program Element (PE) 0604280N to Army PE 0605380A. Prior to FY 2014, JTRS AMF was funded under Navy PE 0604280N aligned under the Navy Joint Tactical Radio System (JTRS) Programs. In accordance with the Acquisition Decision Memorandum (ADM) dated 11 July 2012, the JTRS Program of Record (POR) transitioned to a Military Department-managed program. AMF JTRS is now managed by Program Executive Office Command, Control and Communications (PEO C3T) under Project Manager Tactical Radios (PM TR), funded by Army PE 0605380A.

A. Mission Description and Budget Item Justification

The Airborne Maritime/Fixed Station - Small Airborne (AMF-SA) radios are software programmable, multi-band, multi-mode, mobile ad hoc networking radios, providing simultaneous voice, data, and video communications. The radios will support the Common Operating Picture (COP), Situational Awareness (SA), and interoperability of Mission Command (MC) systems throughout the battlefield. AMF-SA must ensure the Soldier's ability to communicate both horizontally and vertically via voice and data within all mission areas and Common Operating Environment (COE). AMF radios will help close capability gaps by extending data networking to company and below echelons, enabling network services to the platform and connecting Army Aviation platforms to Army ground and Joint air network domains. Per Milestone Decision Authority (MDA) direction, the redefined AMF Program will procure radios as Non-Developmental Items (NDI).

AMF-SA will operate networking waveforms that are deployed by Joint Forces today, enable interoperability between different types of platforms, and transport operational and MC information through the tactical network. AMF-SA is relevant to the Joint Functional Concept (Net-Centric Environment), Joint Integrating Concept (Net-Centric Operational Environment), Joint Operating Concept (Major Combat Operations, Stability Operations), and JTRS Concept of Operations (Tactical Wireless Joint Networks).

The FY 2015 budget will provide funding that is necessary to complete integration and testing of the Small Airborne Link-16 Terminal (SALT) intended for fielding to AH-64E Apache Block III, exclusively Lot 6 and beyond aircraft . Specifically, the funding is needed to conduct Operational Assessments of the candidate products to demonstrate compliance with program requirements; assess effectiveness, suitability, and survivability; and to obtain material release. The funding will also support safety, spectrum supportability, and other certifications necessary to prepare the products for fielding .

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army							Date: March 2014				
Appropriation/Budget Activity 2040 / 5			R-1 Program Element (Number/Name) PE 0605380A / AMF Joint Tactical Radio System (JTRS)			Project (Number/Name) EA9 / Airborne Maritime Fixed - Small Airborne (AMF-SA)					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2013	FY 2014	FY 2015		
Title: Airborne Maritime Fixed Small Airborne (AMF-SA).							-	10.213	6.882		
Articles:							-	-	-		
Description: Airborne Maritime Fixed Small Airborne (AMF-SA).											
FY 2014 Plans: The PMO will conduct source selection and source selection testing with a contract award. The RDT&E funding in FY14 will allow AMF to purchase approximately half of the required Small Airborne Link 16 Terminal (SALT) units for testing and delivery to the customer. Production Qualification Testing (PQT) for the Small Airborne Link 16 Terminal (SALT) to be conducted in FY15 will be funded with FY14 dollars due to a Q1FY15 start. Small Airborne Networking Radio (SANR) capability deferment duration is TBD .											
FY 2015 Plans: With the funding in FY2015, the PMO will only be able to conduct the Production Qualification Testing (PQT) for Small Airborne Link 16 Terminal (SALT). Army Test and Evaluation Command (ATEC) will be funded to support program test & evaluation and requirements efforts.											
Accomplishments/Planned Programs Subtotals							-	10.213	6.882		
C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015 Base</u>	<u>FY 2015 OCO</u>	<u>FY 2015 Total</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• B90110: B90902 JTRS (AMF)	-	-	-	-	-	15.536	23.700	19.000	20.000	-	78.236
Remarks											
D. Acquisition Strategy The AMF-SA program's original acquisition strategy was to procure two variations of the SA radio: 1. The Small Airborne Link 16 Terminal (SALT) for the AH-64E Apache Block III aircraft, and 2. The Small Airborne Networking Radio (SANR) for the Apache, Blackhawk, Kiowa Warrior, Chinook, Gray Eagle and other Special Operations Forces aircraft. The SALT radio will be capable of operating Link-16 and the Soldier Radio Waveform (SRW). The SANR radio will be capable of operating the Wideband Networking Waveform (WNW), Soldier Radio Waveform (SRW), and Single Channel Ground and Airborne Radio System (SINCGARS). The AMF Acquisition Decision Memorandum (ADM), once signed by the Office of the Under Secretary of Defense for Acquisition, Technology, and Logistics (OUSD(AT&L)), will officially split AMF-SA into the sub-programs of SALT and SANR while also delegating Milestone Decision Authority for SALT to the Army Acquisition Executive (AAE). The revised acquisition strategy for SALT changes it from sole source to a full and open competition using a Non-Developmental Item (NDI) procurement approach. The strategy supports a concept in which NDI radios can be selected from a qualified vendor base and tailored to platform needs. SANR capability deferment duration is TBD.											

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army		Date: March 2014
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605380A / AMF Joint Tactical Radio System (JTRS)	Project (Number/Name) EA9 / Airborne Maritime Fixed - Small Airborne (AMF-SA)
E. Performance Metrics N/A		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army												Date: March 2014			
Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0605380A / AMF Joint Tactical Radio System (JTRS)						Project (Number/Name) EA9 / Airborne Maritime Fixed - Small Airborne (AMF-SA)			
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
AMF-SA Business Operations Management and Support	Various	Various : Various	0.000	-		2.598		3.018	Oct 2014	-		3.018	-	5.616	-
Subtotal			0.000	-		2.598		3.018		-		3.018	-	5.616	-
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
AMF-SA - System Engineering and Requirements Validation	Various	Various : Various	0.000	-		1.160		1.325	Oct 2014	-		1.325	-	2.485	-
AMF-SA - NDI Integration and Certification	C/CPFF	TBD : TBD	0.000	-		3.604	Sep 2014	-		-		-	-	3.604	-
Subtotal			0.000	-		4.764		1.325		-		1.325	-	6.089	-
Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
AMF-SA - Integrated Logistics Support	Various	Various : Various	0.000	-		0.897		1.267	Oct 2014	-		1.267	-	2.164	-
Subtotal			0.000	-		0.897		1.267		-		1.267	-	2.164	-
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
AMF-SA - Test and Evaluation and Test Support	Various	Various : Various	0.000	-		1.954		1.272	Oct 2014	-		1.272	-	3.226	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army												Date: March 2014		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605380A / AMF Joint Tactical Radio System (JTRS)					Project (Number/Name) EA9 / Airborne Maritime Fixed - Small Airborne (AMF-SA)				

Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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			0.000	-		1.954		1.272		-		1.272	-	3.226	-

	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	-	10.213	6.882	-	6.882	-	17.095	-

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2015 Army			Date: March 2014		
Appropriation/Budget Activity 2040 / 5		R-1 Program Element (Number/Name) PE 0605380A / AMF Joint Tactical Radio System (JTRS)			Project (Number/Name) EA9 / Airborne Maritime Fixed - Small Airborne (AMF-SA)

	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
	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
Milestone C																												
Small Airborne Link 16 Terminal (SALT) Full Rate Production (FRP)																												
Initial Operational Capability (SALT)																												
SALT Production Qualification Test (PQT)																												
SALT Contract Award																												
SALT Intial Operational Test and Evaluation (IOT&E)																												
SALT Low Rate Initial Production (LRIP) Contract Option																												
SALT Full Rate Production (FRP) Contract Option																												
SALT Airborne Integrated Test (AIT)																												
SALT Link 16 Waveform Standards Conformance Test (WSCT)																												
SALT Soldier Radio Waveform (SRW) Waveform Standards Conformance Test (WSCT)																												
SALT Reliability Verfication Test (RVT)																												
SALT Development Test (DT) Lab																												
SALT Development Test (DT) Flight																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2015 Army			Date: March 2014
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605380A / AMF Joint Tactical Radio System (JTRS)	Project (Number/Name) EA9 / Airborne Maritime Fixed - Small Airborne (AMF-SA)	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Milestone C	2	2016	2	2016
Small Airborne Link 16 Terminal (SALT) Full Rate Production (FRP)	3	2017	3	2017
Initial Operational Capability (SALT)	3	2018	3	2018
SALT Production Qualification Test (PQT)	1	2015	2	2015
SALT Contract Award	4	2014	4	2014
SALT Intial Operational Test and Evaluation (IOT&E)	4	2016	1	2017
SALT Low Rate Initial Production (LRIP) Contract Option	3	2016	3	2016
SALT Full Rate Production (FRP) Contract Option	3	2017	3	2017
SALT Airborne Integrated Test (AIT)	4	2015	1	2016
SALT Link 16 Waveform Standards Conformance Test (WSCT)	3	2015	3	2015
SALT Soldier Radio Waveform (SRW) Waveform Standards Conformance Test (WSCT)	4	2015	1	2016
SALT Reliability Verification Test (RVT)	2	2015	1	2016
SALT Development Test (DT) Lab	3	2016	4	2016
SALT Development Test (DT) Flight	3	2016	4	2016