| Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Army | | | | | | | | | | Date: February 2018 | |

Appropriation/Budget Activity	R-1 Program Element (Number/Name)
2040: *Research, Development, Test & Evaluation, Army I* BA 7: *Operational Systems Development*	PE 0305179A *I Integrated Broadcast Service (IBS)*

COST ($ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	-	0.000	0.000	0.450	-	0.450	0.459	0.467	0.500	0.000	0.000	1.876
EF4: *Integrated Broadcast System*	-	0.000	0.000	0.450	-	0.450	0.459	0.467	0.500	0.000	0.000	1.876

Note

Integrated Broadcast Service is a new start effort in FY 2019. This project last received funding in FY 2016.

A. Mission Description and Budget Item Justification

The Joint Program Office (JPO) for Integrated Broadcast Service (IBS) Terminals supports the Joint Services and the Special Operations Command (SOCOM). The IBS transmits worldwide time-sensitive tactical and strategic intelligence and targeting data to all echelons of Joint Service operational users. The JPO is responsible for coordinating modernization and sustainment of IBS terminals compatible with the UHF SATCOM IBS broadcasts. The JPO is pursuing a next generation non-developmental item to replace the existing Joint Tactical Terminals (JTT). The transmit/receive-capable JTT systems currently consist of the JTT-Senior and JTT-IBS configurations, and they satisfy the radio communication Key Performance Parameters for the IBS Program. The JTT is the official IBS producer system, and ensures continued IBS interoperability to a variety of tactical producers/consumers across the Joint Services.

B. Program Change Summary ($ in Millions)

	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	0.000	0.000	0.450	-	0.450
Current President's Budget	0.000	0.000	0.450	-	0.450
Total Adjustments	0.000	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

Exhibit R-2A, RDT&E Project Justification: PB 2019 Army										Date: February 2018	
Appropriation/Budget Activity 2040 I 7				R-1 Program Element (Number/Name) PE 0305179A I Integrated Broadcast Service (IBS)					Project (Number/Name) EF4 I Integrated Broadcast System		

COST ($ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
EF4: *Integrated Broadcast System*	-	0.000	0.000	0.450	-	0.450	0.459	0.467	0.500	0.000	0.000	1.876
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Integrated Broadcast Service is a new start effort in FY 2019. This project last received funding in FY 2016.

A. Mission Description and Budget Item Justification

The Joint Program Office (JPO) for Integrated Broadcast Service (IBS) Terminals supports the Joint Services and the Special Operations Command (SOCOM). The IBS transmits worldwide time-sensitive tactical and strategic intelligence and targeting data to all echelons of Joint Service operational users. The JPO is responsible for coordinating modernization and sustainment of IBS terminals compatible with the UHF SATCOM IBS broadcasts. The JPO is pursuing a next generation non-developmental item to replace the existing Joint Tactical Terminals (JTT) and performs JTT life cycle program management and technical fixes. The IBS network uses Type-1 encryption, Common Interactive Broadcast (CIB), and Common Message Format (CMF). Funds support acquisition related technical development, requirements, testing and integration of next generation JTT systems and components.

FY 2019 funds in the amount of $0.450 million will be used for testing and certification for the next generation JTT and engineering services to support the program office.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2017	FY 2018	FY 2019
Title: Support Costs and Management Services	-	-	0.450
Description: Engineering Support			
FY 2019 Plans: Initiate system engineering support.			
FY 2018 to FY 2019 Increase/Decrease Statement: New start - Market research for next generation JTT efforts.			
Accomplishments/Planned Programs Subtotals	-	-	0.450

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
• V29600: *JTT/CIBS-M*	5.337	12.154	10.268	-	10.268	7.714	5.338	5.511	1.837	0.000	48.159

PE 0305179A: *Integrated Broadcast Service (IBS)*
Army

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Exhibit R-2A, **RDT&E Project Justification:** PB 2019 Army		**Date:** February 2018
Appropriation/Budget Activity 2040 *I* 7	**R-1 Program Element (Number/Name)** PE 0305179A *I Integrated Broadcast Service (IBS)*	**Project (Number/Name)** EF4 *I Integrated Broadcast System*

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost

Remarks

 FY 2019 funds start support of the next generation JTT acquisition. FY 2017 and FY 2018 funds support fielding support efforts for JTT IBS.

D. Acquisition Strategy

 N/A

E. Performance Metrics

 N/A

Exhibit R-3, **RDT&E Project Cost Analysis:** PB 2019 Army												**Date:** February 2018		
Appropriation/Budget Activity 2040 *I* 7					**R-1 Program Element (Number/Name)** PE 0305179A *I Integrated Broadcast Service (IBS)*					**Project (Number/Name)** EF4 *I Integrated Broadcast System*				

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
User Support	MIPR	ICOE : Fort Huachuca, AZ	0.046	-		-		-		-		-	0.000	0.046	-
Project Management Support	Allot	PM DCGS-A : APG, MD; Fort Huachuca, AZ	0.075	-		-		-		-		-	0.000	0.075	-
		Subtotal	0.121	-		-		-		-		-	0.000	0.121	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Integration and Testing of JTT fleet Modernization	MIPR	JITC : Fort Huachuca, AZ; APG,MD	0.629	-		-		0.450		-		0.450	0.000	1.079	-
		Subtotal	0.629	-		-		0.450		-		0.450	0.000	1.079	N/A

	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.750	-	0.000	0.450	-	0.450	0.000	1.200	N/A

Remarks

Exhibit R-4, **RDT&E Schedule Profile:** PB 2019 Army | **Date:** February 2018

Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0305179A / *Integrated Broadcast Service (IBS)*	Project (Number/Name) EF4 / *Integrated Broadcast System*

Event Name	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	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
IBS Terminals Integration and Test																												

Exhibit R-4A, **RDT&E Schedule Details:** PB 2019 Army		**Date:** February 2018
Appropriation/Budget Activity 2040 *I* 7	**R-1 Program Element (Number/Name)** PE 0305179A *I Integrated Broadcast Service (IBS)*	**Project (Number/Name)** EF4 *I Integrated Broadcast System*

Schedule Details

Events	Start		End	
	Quarter	**Year**	**Quarter**	**Year**
IBS Terminals Integration and Test	2	2019	1	2023