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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Army **Date:** March 2024

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0605042A / <i>Tactical Network Radio Systems (Low-Tier)</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	-	4.265	4.318	4.288	-	4.288	3.399	3.499	3.538	3.625	0.000	26.932
FA1: <i>Manpack Radio</i>	-	2.913	2.858	2.846	-	2.846	1.923	1.908	1.929	1.999	0.000	16.376
FA2: <i>Rifleman Radio (RR)</i>	-	1.352	1.460	1.442	-	1.442	1.476	1.591	1.609	1.626	0.000	10.556

A. Mission Description and Budget Item Justification

This effort is part of the Army's modernization plans for the Army of 2030.

Tactical Network Radio Systems (Low-Tier) provide both Classified and Unclassified communications. The radios provide the Single Channel Ground and Airborne Radio System (SINCGARS) waveform for Classified and Unclassified communications. They also provide advanced networking waveforms (e.g. TrellisWare TSM) that provide Secure but Unclassified (SBU) communications. The Manpack (MP) radio provides the Mobile User Objective System (MUOS) waveform for Tactical Satellite communications.

The Handheld, Manpack, and Small Form Fit (HMS) radio program is a single Acquisition Category 1C program encompassing handheld radios and manpack radios. Handheld radio variants include the legacy single-channel Rifleman Radio (RR), Single Channel Data Radio (SCDR), and two-channel Leader Radio (LR). The manpack variants include the legacy Generation 1 Manpack, and the current Generation 2 Manpack. HMS provides voice and data communication to the expeditionary Warfighter with an on-the-move, at-the-halt, and stationary Line of Sight (LOS)/Beyond Line of Sight (BLOS) capability for both dismounted personnel and platforms. HMS radio systems are software reprogrammable, networkable, multi-mode systems capable of simultaneous voice and data communication. HMS radios supports a variety of other platforms, including tactical End User Devices (EUD) voice and data needs. HMS provides tailorable and scalable, software-defined radio systems meeting U.S. Army, Air Force, Navy, Marine Corps, and Special Operations Command communications needs.

HMS completed Initial Operational Test and Evaluation (IOT&E) during January 2021. Following the IOT&E test event, HMS outlined specific actions required to resolve test findings from the IOT&E event. FY2025 RDT&E funding supports testing activities including laboratory technical testing, Performance Verification Tests (PVTs), and Operational User Assessments (OUAs). Each of these events provides both technical and operational user feedback on increased capabilities, future waveform incorporation, soldier usability, and life-cycle sustainment improvements.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Army	Date: March 2024
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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0605042A / <i>Tactical Network Radio Systems (Low-Tier)</i>
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B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	4.426	4.318	4.405	-	4.405
Current President's Budget	4.265	4.318	4.288	-	4.288
Total Adjustments	-0.161	0.000	-0.117	-	-0.117
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.001	-			
• SBIR/STTR Transfer	-0.162	-			
• Adjustments to Budget Years	-	-	-0.117	-	-0.117

Change Summary Explanation

The FY25 funding change from the previous PB to the current PB reflects an Army approved minor reduction.

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army										Date: March 2024		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605042A / <i>Tactical Network Radio Systems (Low-Tier)</i>				Project (Number/Name) FA1 / <i>Manpack Radio</i>			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
FA1: <i>Manpack Radio</i>	-	2.913	2.858	2.846	-	2.846	1.923	1.908	1.929	1.999	0.000	16.376
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This effort is part of the Army's modernization plans for the Army of 2030.

MP radios provide both Classified and Unclassified communications. MP radios provide the Single Channel Ground and Airborne Radio System (SINCGARS) waveform for Classified and Unclassified communications. MP radios also provide advanced waveforms (e.g. TrellisWare TSM) that provide SBU communications. The MP radio provides the Mobile User Objective System (MUOS) waveform for Tactical Satellite (TACSAT) communications. The HMS program received a positive Full Rate Production (FRP) decision in 2021 and plans to host a PVT and OUA annually to verify vendor enhancements. The Handheld, Manpack, and Small Form Fit (HMS) radio systems serve as the backbone of the Integrated Tactical Network (ITN) architecture, supporting a converged Mission Command network.

HMS completed Initial Operational Test and Evaluation (IOT&E) during January 2021. Following the IOT&E test event, HMS outlined specific actions required to resolve test findings from the IOT&E event. RDT&E funding supports testing activities including laboratory technical testing, Performance Verification Tests (PVTs), and Operational User Assessments (OUAs). Each of these events provides both technical and operational user feedback on increased capabilities, future waveform incorporation, soldier usability, and life-cycle sustainment improvements.

FY2025 funds in the amount of \$2.846M support delta testing, Performance Verification Tests (PVTs), Operational User Assessments (OUAs), examination of modular and open system architectures to decrease future integration and waveform porting costs.

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

	FY 2023	FY 2024	FY 2025
Title: Program Management	0.118	0.110	0.110
Description: Program management includes overall management of program execution, major events, reporting, funds execution, contract management, and logistical support. Includes participation in program planning and Integrated Product Team meetings.			
FY 2024 Plans: FY 2024 funds will provide overall management and oversight to implement HMS acquisition strategy - to include Matrix and Contractor support.			
FY 2025 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024		
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605042A / <i>Tactical Network Radio Systems (Low-Tier)</i>	Project (Number/Name) FA1 / <i>Manpack Radio</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
FY 2025 funds will provide overall management and oversight to implement HMS acquisition strategy - to include Matrix and Contractor support.				
<p>Title: HMS Engineering/Technical Support</p> <p>Description: Overall technical analysis support to HMS Manpack products.</p> <p>FY 2024 Plans: FY 2024 funds will provide technical systems engineering support to evaluate technical alternatives and perform communication architecture analysis to identify alternatives to reduce cost, improve performance, and achieve tactical radio objectives.</p> <p>FY 2025 Plans: FY 2025 funds will provide technical systems engineering support to evaluate technical alternatives and perform communication architecture analysis to identify alternatives to reduce cost, improve performance, and achieve tactical radio objectives.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Funding change is consistent with the planned lifecycle of this effort.</p>		1.628	1.648	1.654
<p>Title: Test and Evaluation</p> <p>Description: Manpack's Test and Evaluation focuses on the key technical and operational characteristics of the system: Radio Frequency performance, security, Reliability, Availability & Maintainability, suitability and survivability requirements, in addition to operational environmental performance requirements as per the Capability Production Document. Results from OT facilitated future procurement for Full Rate Production and informed required delta testing. HMS funding supports delta testing, Performance Verification Tests (PVTs), and Operational User Assessments (OUAs).</p> <p>FY 2024 Plans: FY 2024 Research Development Test & Evaluation (RDT&E) funding supports HMS delta testing, Performance Verification Tests (PVTs), Operational User Assessments (OUAs), examination of modular and open system architectures to decrease future integration and waveform porting costs.</p> <p>FY 2025 Plans: FY 2025 Research Development Test & Evaluation (RDT&E) funding supports HMS delta testing, Performance Verification Tests (PVTs), Operational User Assessments (OUAs), examination of modular and open system architectures to decrease future integration and waveform porting costs.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement:</p>		1.167	1.100	1.082

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605042A / <i>Tactical Network Radio Systems (Low-Tier)</i>	Project (Number/Name) FA1 / <i>Manpack Radio</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
FY2025 funding decreased from FY2024 resulting in decrease to the test and evaluation requirement.			
Accomplishments/Planned Programs Subtotals	2.913	2.858	2.846

C. Other Program Funding Summary (\$ in Millions)

Line Item	FY 2023	FY 2024	FY 2025	FY 2025	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Cost To	
			Base	OCO	Total					Complete	Total Cost
• FA2: <i>Rifleman Radio (RR)</i>	1.352	1.460	1.442	-	1.442	1.476	1.591	1.609	1.626	0.000	10.556
• B95004: <i>Handheld Manpack Small Form Fit (HMS)</i>	660.270	765.109	704.118	-	704.118	723.402	738.324	747.604	755.067	Continuing	Continuing

Remarks

D. Acquisition Strategy

MP Radio is currently executing a March 2017 approved acquisition strategy to procure Non-Developmental Items (NDI). Utilizing a full and open competition strategy, the MP base contract was awarded to all potential industry partners. The MP contract was awarded on 26 February 2016, and procures NDI MP radios for use in a classified environment. As laid out in the Acquisition Strategy, the current candidate NDI radios have demonstrated through testing, compliance with program requirements; assess effectiveness, suitability, and survivability; to obtain material release(s) for Full Rate Production (FRP). The MP is currently capable of running the following waveforms: Single Channel Ground and Airborne Radio System (SINCGARS), Warrior Robust Enhanced Network (WREN) TSM, as well as legacy Satellite Communications (SATCOM), and the modernized, Navy managed Mobile User Objective System (MUOS) TACSAT waveform.

In 2023, HMS began the process of conducting a re-compete of the existing MP IDIQ contract in support of an FY26 award. The re-compete will include upgrades to the base contract including specific sustainment requirements, updated quantity pricing schedules, and other lessons-learned from the previous IDIQ.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army												Date: March 2024			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
2040 / 5				PE 0605042A / Tactical Network Radio Sys tems (Low-Tier)				FA1 / Manpack Radio							
Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
Project Management Office Support	Various	PEO C3T & CECOM : Various; APG, MD	5.026	0.110	Apr 2023	0.110		0.110		-		0.110	0.000	5.356	-
Subtotal			5.026	0.110		0.110		0.110		-		0.110	0.000	5.356	N/A
Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
Engineering/Technical Support	Various	PEO C3T, ARL, C5ISR, & ATC : Various	23.721	1.636	Apr 2023	1.648		1.654		-		1.654	0.000	28.659	-
Subtotal			23.721	1.636		1.648		1.654		-		1.654	0.000	28.659	N/A
Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
Follow on Delta Development & Testing	Various	EPG : Ft. Huachuca	5.654	1.167	Apr 2023	1.100		1.082		-		1.082	0.000	9.003	-
Subtotal			5.654	1.167		1.100		1.082		-		1.082	0.000	9.003	N/A
Project Cost Totals			34.401	2.913		2.858		2.846		-		2.846	0.000	43.018	N/A
Remarks															



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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605042A / <i>Tactical Network Radio Sys</i> <i>tems (Low-Tier)</i>	Project (Number/Name) FA1 / <i>Manpack Radio</i>

Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
Operational User Assessment (OUA) FY23	■ OUA																											
Performance Verification Test (PVT) FY23			■ PVT																									
Operational User Assessment (OUA) FY23 #2				■ OUA																								
Performance Verification Test (PVT) FY24							■ PVT																					
Operational User Assessment (OUA) FY24								■ OUA																				
Performance Verification Test (PVT) FY25											■ PVT																	
Operational User Assessment (OUA) FY25												■ OUA																
Performance Verification Test (PVT) FY26															■ PVT													
Operational User Assessment (OUA) FY26																■ OUA												
Performance Verification Test (PVT) FY27																			■ PVT									
Operational User Assessment (OUA) FY27																				■ OUA								
Performance Verification Test (PVT) FY28																								■ PVT				
Operational User Assessment (OUA) FY28																											■ OUA	

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army			Date: March 2024
Appropriation/Budget Activity 2040 / 5		R-1 Program Element (Number/Name) PE 0605042A / <i>Tactical Network Radio Systems (Low-Tier)</i>	Project (Number/Name) FA1 / <i>Manpack Radio</i>

Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
Performance Verification Test (PVT) FY29																									 PVT			
Operational User Assessment (OUA) FY29																									 OUA			

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605042A / <i>Tactical Network Radio Systems (Low-Tier)</i>	Project (Number/Name) FA1 / <i>Manpack Radio</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Armored Brigade Combat Team (ABCT) Characterization	3	2022	3	2022
Performance Verification Test (PVT)	1	2022	1	2022
Performance Verification Test (PVT) FY22	4	2022	4	2022
Operational User Assessment (OUA) FY23	1	2023	1	2023
Performance Verification Test (PVT) FY23	3	2023	3	2023
Operational User Assessment (OUA) FY23 #2	4	2023	4	2023
Performance Verification Test (PVT) FY24	3	2024	3	2024
Operational User Assessment (OUA) FY24	4	2024	4	2024
Performance Verification Test (PVT) FY25	3	2025	3	2025
Operational User Assessment (OUA) FY25	4	2025	4	2025
Performance Verification Test (PVT) FY26	3	2026	3	2026
Operational User Assessment (OUA) FY26	4	2026	4	2026
Performance Verification Test (PVT) FY27	3	2027	3	2027
Operational User Assessment (OUA) FY27	4	2027	4	2027
Performance Verification Test (PVT) FY28	3	2028	3	2028
Operational User Assessment (OUA) FY28	4	2028	4	2028
Performance Verification Test (PVT) FY29	3	2029	3	2029
Operational User Assessment (OUA) FY29	4	2029	4	2029

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army										Date: March 2024		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605042A / <i>Tactical Network Radio Systems (Low-Tier)</i>				Project (Number/Name) FA2 / <i>Rifleman Radio (RR)</i>			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
FA2: <i>Rifleman Radio (RR)</i>	-	1.352	1.460	1.442	-	1.442	1.476	1.591	1.609	1.626	0.000	10.556
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This effort is part of the Army's modernization plans for the Army of 2030.

Handheld radios provide both Classified and Unclassified communications. Leader radios provide the Single Channel Ground and Airborne Radio System (SINCGARS) legacy waveform for Classified and Unclassified communications. Additionally, Leader radios also provide advanced waveforms (e.g. TrellisWare TSM) that provide SBU communications. The Leader Radio received a positive Full Rate Production (FRP) decision in 2021. The HMS program plans to host a PVT and OUA annually to verify vendor enhancements. The Single Channel Data Radio (SCDR) is an Associated Support Items of Equipment (ASIOE) for the Integrated Visual Augmentation System (IVAS). The Handheld, Manpack, and Small Form Fit (HMS) radio systems serve as the backbone of the Integrated Tactical Network (ITN) architecture, supporting a converged Mission Command network.

HMS completed Initial Operational Test and Evaluation (IOT&E) during January 2021. Following the IOT&E test event, HMS outlined specific actions required to resolve test findings from the IOT&E event. RDT&E funding supports testing activities including laboratory technical testing, Performance Verification Tests (PVTs), and Operational User Assessments (OUAs). Each of these events provides both technical and operational user feedback on increased capabilities, future waveform incorporation, soldier usability, and life-cycle sustainment improvements. Handheld radios provide voice/data communication to the expeditionary Warfighter with an on-the-move, at-the-halt, and stationary Line of Sight (LOS)/Beyond Line of Sight (BLOS) capability for both dismounted personnel and platforms. Handheld radio systems are software reprogrammable, networkable, multi-mode systems capable of simultaneous voice and data communication. Handheld radios will support a variety of other platforms, including tactical End User Devices (EUD) voice and data needs. HMS provides tailorable and scalable, software-defined radio systems meeting U.S. Army, Air Force, Navy, Marine Corps, and Special Operations Command communications needs.

FY2025 funds in the amount of \$1.442M support delta testing, Performance Verification Tests (PVTs), Operational User Assessments (OUAs), examination of modular and open system architectures to decrease future integration and waveform porting costs.

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

	FY 2023	FY 2024	FY 2025
Title: Program Management	0.058	0.058	0.058
Description: Program management includes overall management of program execution, major events, reporting, funds execution, contract management, and logistical support. Includes participation in program planning and Integrated Product Team meetings.			
FY 2024 Plans:			

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Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605042A / <i>Tactical Network Radio Systems (Low-Tier)</i>	Project (Number/Name) FA2 / <i>Rifleman Radio (RR)</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
<p>FY 2024 funds will provide overall management and oversight to implement HMS acquisition strategy - to include Matrix and Contractor support.</p> <p>FY 2025 Plans: FY 2025 funds will provide overall management and oversight to implement HMS acquisition strategy - to include Matrix and Contractor support.</p>				
<p>Title: HMS Engineering/Technical Support</p> <p>Description: Overall technical analysis support to HMS Handheld products.</p> <p>FY 2024 Plans: FY 2024 funds will provide technical systems engineering support to evaluate technical alternatives and perform communication architecture analysis to identify alternatives to reduce cost, improve performance, and achieve tactical radio objectives.</p> <p>FY 2025 Plans: FY 2025 funds will provide technical systems engineering support to evaluate technical alternatives and perform communication architecture analysis to identify alternatives to reduce cost, improve performance, and achieve tactical radio objectives.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: HMS Engineering/Technical Support increased only \$3K.</p>		0.920	1.019	1.022
<p>Title: Test and Evaluation</p> <p>Description: Handheld's Test and Evaluation focuses on the evaluation of key technical and operational characteristics of the system: Radio Frequency performance, security, Reliability, Availability & Maintainability, and survivability requirements, in addition to operational environmental performance requirements as per the Capability Production Document. All previous testing on the Leader Radio, served as risk reduction and Operational Test (OT) preparations in support of FRP. Results from the OT facilitated future procurement for Full Rate Production and informed required delta testing. HMS funding supports delta testing, Performance Verification Tests (PVTs), and Operational User Assessments (OUAs).</p> <p>FY 2024 Plans: FY 2024 Research Development Test & Evaluation (RDT&E) funding supports HMS delta testing, Performance Verification Tests (PVTs), Operational User Assessments (OUAs), examination of modular and open system architectures to decrease future integration and waveform porting costs.</p> <p>FY 2025 Plans:</p>		0.374	0.383	0.362

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Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605042A / <i>Tactical Network Radio Systems (Low-Tier)</i>	Project (Number/Name) FA2 / <i>Rifleman Radio (RR)</i>
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
FY 2025 Research Development Test & Evaluation (RDT&E) funding supports HMS delta testing, Performance Verification Tests (PVTs), Operational User Assessments (OUAs), examination of modular and open system architectures to decrease future integration and waveform porting costs.			
<i>FY 2024 to FY 2025 Increase/Decrease Statement:</i> FY25 funding decreased from FY24 resulting in a decrease to Test and Evaluation requirement.			
Accomplishments/Planned Programs Subtotals	1.352	1.460	1.442

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• FA1: <i>Manpack Radio</i>	2.913	2.858	2.846	-	2.846	1.923	1.908	1.929	1.999	0.000	16.376
• B95004: <i>Handheld Manpack Small Form Fit (HMS)</i>	660.270	765.109	704.118	-	704.118	723.402	738.324	747.604	755.067	Continuing	Continuing

Remarks

D. Acquisition Strategy

On 13 September 2016 the Army Acquisition Executive approved a decrease to the Basis of Issue (BOI) for the single channel RR, increase the BOI for the two channel LR and move forward with acquisition activities for the two channel LR. An acquisition strategy addendum adding LR was approved in March 2017. The addendum continued the multi-vendor approach utilizing the existing Indefinite Delivery Indefinite Quantity (IDIQ) RR base contract (awarded 29 April 2015) to on-ramp LR capabilities (18 September 2018). The LR effort is a separate competition under the Handheld radio suite. As laid out in the acquisition strategy, these candidate non-developmental radios will need to demonstrate through testing, compliance with program requirements; assess effectiveness, suitability, and survivability; to obtain material release for Full Rate Production (FRP).

The LR will simultaneously run Single Channel Ground and Airborne Radio System (SINCGARS) and other advanced networking waveforms, in one radio with both handheld and mounted configurations, for fixed and mobile sites.

In 2022, HMS began the process of conducting a re-compete of the existing LR IDIQ contract in support of an FY2025 award. The re-compete will include upgrades to the base contract including specific sustainment requirements, updated quantity pricing schedules, and other lessons-learned from the previous IDIQ.

In 2021, SCDR transitioned to the HMS program. SCDR utilizes an Other Transaction Authority (OTA) from an existing IDIQ.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army												Date: March 2024			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
2040 / 5				PE 0605042A / Tactical Network Radio Sys tems (Low-Tier)				FA2 / Rifleman Radio (RR)							
Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
Project Management Office Support	Various	PEO C3T & CECOM : Various; APG, MD	4.299	0.058	Apr 2023	0.058		0.058		-		0.058	0.000	4.473	Continuing
Subtotal			4.299	0.058		0.058		0.058		-		0.058	0.000	4.473	N/A
Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
HMS Engineering/ Technical Support	Various	PEO C3T, ARL, C5ISR, & ATC : Various	9.292	0.920	Apr 2023	1.019		1.022		-		1.022	0.000	12.253	-
Subtotal			9.292	0.920		1.019		1.022		-		1.022	0.000	12.253	N/A
Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
Follow on Delta Development & Testing	Various	EPG : Fort Huachuca	6.802	0.374	Apr 2023	0.383		0.362		-		0.362	0.000	7.921	-
Subtotal			6.802	0.374		0.383		0.362		-		0.362	0.000	7.921	N/A
Project Cost Totals			20.393	1.352		1.460		1.442		-		1.442	0.000	24.647	N/A
Remarks															



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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605042A / <i>Tactical Network Radio Sys</i> <i>tems (Low-Tier)</i>	Project (Number/Name) FA2 / <i>Rifleman Radio (RR)</i>

Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
Operational User Assessment (OUA) FY23	■ OUA																											
Performance Verification Test (PVT) FY23			■ PVT																									
Operational User Assessment (OUA) FY23 #2				■ OUA																								
Performance Verification Test (PVT) FY24							■ PVT																					
Operational User Assessment (OUA) FY24								■ OUA																				
Performance Verification Test (PVT) FY25											■ PVT																	
Operational User Assessment (OUA) FY25												■ OUA																
Performance Verification Test (PVT) FY26															■ PVT													
Operational User Assessment (OUA) FY26																■ OUA												
Performance Verification Test (PVT) FY27																			■ PVT									
Operational User Assessment (OUA) FY27																				■ OUA								
Performance Verification Test (PVT) FY28																								■ PVT				
Operational User Assessment (OUA) FY28																											■ OUA	

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army			Date: March 2024		
Appropriation/Budget Activity 2040 / 5		R-1 Program Element (Number/Name) PE 0605042A / <i>Tactical Network Radio Systems (Low-Tier)</i>		Project (Number/Name) FA2 / <i>Rifleman Radio (RR)</i>	

Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
Performance Verification Test (PVT) FY29																									 PVT			
Operational User Assessment (OUA) FY29																									 OUA			

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605042A / <i>Tactical Network Radio Systems (Low-Tier)</i>	Project (Number/Name) FA2 / <i>Rifleman Radio (RR)</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Armored Brigade Combat Team (ABCT) Characterization	3	2022	3	2022
Performance Verification Test (PVT) FY22	4	2022	4	2022
Operational User Assessment (OUA) FY23	1	2023	1	2023
Performance Verification Test (PVT) FY23	3	2023	3	2023
Operational User Assessment (OUA) FY23 #2	4	2023	4	2023
Performance Verification Test (PVT) FY24	3	2024	3	2024
Operational User Assessment (OUA) FY24	4	2024	4	2024
Performance Verification Test (PVT) FY25	3	2025	3	2025
Operational User Assessment (OUA) FY25	4	2025	4	2025
Performance Verification Test (PVT) FY26	3	2026	3	2026
Operational User Assessment (OUA) FY26	4	2026	4	2026
Performance Verification Test (PVT) FY27	3	2027	3	2027
Operational User Assessment (OUA) FY27	4	2027	4	2027
Performance Verification Test (PVT) FY28	3	2028	3	2028
Operational User Assessment (OUA) FY28	4	2028	4	2028
Performance Verification Test (PVT) FY29	3	2029	3	2029
Operational User Assessment (OUA) FY29	4	2028	4	2029