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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0605031N / <i>JNT Tactical Network (JTN)</i>
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	0.000	-	0.000	2.578	2.628	2.676	2.730	Continuing	Continuing
3397: <i>Joint Tactical Networking (JTN), Joint Enterprise Network Manager (JENM)</i>	0.000	0.000	0.000	0.000	-	0.000	2.578	2.628	2.676	2.730	Continuing	Continuing

Note

Responsibility for the development and sustainment of JENM was assigned to the PM Joint Tactical Networks (JTN) by the Joint Tactical Networking Center (JTNC) Acquisition Decision Memorandum (ADM) of 20 Jan 2014. The Army Program Executive Office (PEO) Command Control Communications Tactical (C3T) Memos of 25 Jun 2015 transferred all program, development, and configuration control of JENM by Product Manager (PdM) JENM under PM JTN to PdM Tactical Cyber Network Operations (TCNO) under PM Tactical Network (formally PM WIN-T) when Army became the Lead Service for JENM under the ADM's provisions.

Joint Enterprise Network Manager (JENM) is funded using a Joint budget strategy. Each Military Department (MILDEP) budgets for approximately one-third of the total program RDT&E requirements for joint efforts. Fiscal Year (FY) 2022 to FY 2023 funding reflects post transfers to JENM Army PE from Navy, while FY 2024 and beyond reflects the Navy one-third portion of total program RDT&E funds. Out-year funding is programmed in PE 0605031A by the Army, PE 0605031N by the Navy and PE 0605031F by the Air Force. USMC funding will be provided on an annual basis via Military Interdepartmental Purchase Request (MIPR). Prior to submission of the President's Budget, the funding from Navy PE 0605031N and Air Force PE 0605031F is consolidated with Army PE 0605031A for execution.

JENM, funded in project EF5, is a software only program.

A. Mission Description and Budget Item Justification

EF5 project: This funding line is a key enabler of the Army Modernization Priorities in support of the network. This funding line supports the Army Network Modernization strategy (LOE 1), Unified Network and Joint Interoperability/Coalition Accessible (LOE 3). Efforts are aligned to support the Network-Cross Functional Team capability set approach to achieve the network modernization strategy.

The Joint Enterprise Network Manager (JENM) software provides a single, converged network management tool allowing the Warfighter to plan, configure, load, and manage the Joint Services' Tactical Radios and their networks in the field - a capability not available in legacy planning systems. JENM funding supports several types of tactical radios, such as the ManPack and Rifleman, enabling them to utilize Mobile Ad Hoc Networking (MANET) and other waveforms to include: Mobile User Objective System (MUOS) waveform, Satellite Communications (SATCOM) Demand Assigned Multiple Access (DAMA), Integrated Waveform (IW), and Single Channel Ground and Airborne Radio System (SINCGARS) waveform. Using its Over-the-Air-Management (OTAM) functionality, JENM provides the Commander the ability to quickly reconfigure critical networks. JENM enhances the S6's ability to conduct Course of Action (COA) Analysis and the Military Decision Making Process (MDMP), providing commanders critical information regarding their ability to communicate.

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FY 2024 radio planner prototyping efforts via Atom development will design, engineer, integrate and test of planning and management capabilities for the Tactical Radio network in support of the TrellisWare Scalable Manet (TSM), and the Warrior Robust Enhanced Network (WREN) waveforms. Atom development aligns with the Unified Network Operations (UNO) vision to provide further integration of the Integrated Tactical Network (ITN) and Network Management of its emerging systems to enable Soldiers the ability to effectively manage the ITN. The Atom radio planner prototyping efforts will also support MUOS Waveform Planning Continuing System Improvements and rapid provisioning of MUOS end-user terminals, as well as HF Waveform planning in support of HF modernization.

JENM planning applications and radio planner prototyping efforts are deployed on, and critically tied to the Ruggedized Application Platform - Tactical Radios (RAP-TR) hardware from Division to the Company level.

B. Program Change Summary (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	0.000	0.000	2.528	-	2.528
Current President's Budget	0.000	0.000	0.000	-	0.000
Total Adjustments	0.000	0.000	-2.528	-	-2.528
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	0.000	0.000	-2.539	-	-2.539
• Rate/Misc Adjustments	0.000	0.000	0.011	-	0.011

Change Summary Explanation

Zero balance in FY 2022 to FY 2024 is attributed to a realignment from Navy (PE 0605031N) and Air Force (PE 0605031F) to Army (PE 0605031A) as per the JTN (JENM) Acquisition Program Baseline (APB) and Tri-Service Funding agreement.