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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 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</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	-	35.616	40.915	31.837	-	31.837	31.831	32.148	32.479	32.820	Continuing	Continuing
BT2: <i>Command Post Mobility/Survivability</i>	-	6.645	8.581	5.010	-	5.010	5.010	5.010	5.010	5.010	Continuing	Continuing
BT3: <i>Common Operating Environment (COE)</i>	-	9.032	7.215	7.058	-	7.058	7.067	7.142	7.222	7.294	Continuing	Continuing
BT5: <i>Integrated Tactical Network/Enterprise Network</i>	-	19.939	25.119	19.769	-	19.769	19.754	19.996	20.247	20.516	Continuing	Continuing

A. Mission Description and Budget Item Justification

This funding line supports advanced component development activities that are aligned to the Army's modernized network of 2030/2040.

The Program Executive Office Command, Control, Communications-Tactical (PEO C3T) is responsible for programming, managing and executing these projects and ensuring these funds are aligned to support the Army's Network Modernization requirements. PEO C3T, in partnership with the Network Cross-Functional Team (N-CFT), prioritizes technology demonstrations, focused evaluations, and expert analyses to inform future requirements, mature technologies, and deliver new capabilities. Efforts funded from these projects will inform technology transitions, research and development, and user assessments, and then rapidly transition to appropriate Programs of Record or be established as a new program.

Unified Network Transport provides the ground domain network connectivity of Joint All Domain Command and Control (JADC2) and enables Unified Action Partner interoperability through integration with the Mission Partner Environment (MPE). Interoperability is the ability to routinely act together coherently, effectively and efficiently to achieve tactical, operational, and strategic objectives. Interoperability between disparate forces allows coalitions to produce greater combat power than the sum of their parts by leveraging relative strengths while mitigating relative weaknesses.

FY 2025 funds will support identification, maturation, demonstration, and evaluation of Technology Readiness Level (TRL) 6+ systems and subsystem components including, but not limited to, resilient Line of Sight (LOS) and beyond Line of Sight (BLOS) communications, information management systems, cyber electromagnetic activities (CEMA) situational understanding and operations, intelligence fusion, cloud technologies, virtual augmentation, artificial intelligence/machine learning (AI/ML), and data convergence and analytics in the Common Operating Environment to achieve modernized Unified Network capabilities required for the Army of 2030/2040. Successful solutions identified through evaluation in a high fidelity and realistic operating environment will be transitioned to Programs of Record for integration and fielding. Funds will also support integration with solutions identified in other Army network priorities to ensure network dependencies are addressed.

UNCLASSIFIED

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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</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	36.966	40.915	42.883	-	42.883
Current President's Budget	35.616	40.915	31.837	-	31.837
Total Adjustments	-1.350	0.000	-11.046	-	-11.046
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.001	-			
• SBIR/STTR Transfer	-1.349	-			
• Adjustments to Budget Years	-	-	-11.046	-	-11.046

Change Summary Explanation

Decrease due to reduction of requirements aligned to Command Post Mobility/Survivability and Integrated Tactical Network/Enterprise Network.

UNCLASSIFIED

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Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>				Project (Number/Name) BT2 / <i>Command Post Mobility/Survivability</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
BT2: <i>Command Post Mobility/Survivability</i>	-	6.645	8.581	5.010	-	5.010	5.010	5.010	5.010	5.010	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This funding line supports advanced component development activities that are directly aligned to Command Post Mobility and Survivability enhancements for the Army's modernized network of 2030/2040.

This project supports Command Post mobility/survivability efforts that may transition to sponsoring programs that get integrated in the Army's future Command Posts. The technical maturation and evaluation allow for Command Post disaggregation capabilities to inform future designs and support Command Post survivability against near peer competitors. Spectrum obfuscation and assessments of antenna remoting will support future Command Post enhancements.

FY 2025 funds will be used to mature, prototype, and evaluate emerging technologies that will inform design choices for the Army's Command Post infrastructure. Funds also support identification, maturation, demonstration, and evaluation of Technology Readiness Level (TRL) 6+ systems and subsystem components leading to a desired end state of resilient communications, adaptable computing and infrastructure, integrated power, electromagnetic signature management, and electromagnetic signature awareness to support Joint and Coalition Interoperability requirements in addition to Multi-Domain Operations (MDO) in Disconnected, Intermittent, and Limited (DIL) conditions. Successful solutions identified through evaluation in a high fidelity and realistic operating environment will be transitioned to Programs of Record for integration and fielding. Funds will also support integration with solutions identified in other Army network priorities to ensure network dependencies are addressed.

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

	FY 2023	FY 2024	FY 2025
Title: BT2 Command Post Mobility and Survivability	6.008	8.081	4.710
<p>Description: This funding is used to identify and acquire technologies for evaluation that address gaps associated with the Command Post (CP) in the overall Integrated Tactical Network. The project will focus on developing and obtaining approval of requirements for integrated command posts, then delivering these integrated command post designs to Army units. The project also addresses the operational requirement of Deployable, Integrated, and Mobile Command Post and integrates Knowledge Management.</p> <p>FY 2024 Plans: Funds will be used to mature, prototype, and evaluate emerging technologies relating to mobile and survivable Command Posts in a contested and congested environment. Effort includes maturing adaptable computing infrastructure to provide high throughput, resilient communications such as the work in Protected Communications for Manned/Unmanned Teams. Effort also includes developing and integrating technologies, material solutions and tactics into a holistic system that will prevent detection of high value assets (such as command posts) from enemy ISR systems through concealment and strategic initiatives solutions.</p>			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT2 / <i>Command Post Mobility/Survivability</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
<p>Additionally, effort plans include creating signature awareness, integrated power, reducing total electromagnetic signature, creating the means to disperse CP nodes and retaining effective Commander-Staff collaboration against near peer competition. These efforts will be demonstrated and evaluated with FORSCOM and inform the program technical baseline and doctrine, organization, training, materiel, leadership and education, personnel, and facilities (DOTMLPF). Innovative industry prototyping and evaluation associated with Technical Exchange Meetings (TEM) will lead to the assessment, demonstration, prototyping and integration of emerging industry solutions. Requirements for Command Post Mobility and Survivability will align with prioritization of science & technology and industry innovation efforts in support of Army Capability Set development.</p> <p>FY 2025 Plans: Funds will be used to mature, prototype, and evaluate emerging technologies relating to mobile and survivable Command Posts in a contested and congested environment. Effort includes maturing adaptable computing infrastructure to provide high throughput, resilient communications such as the work in Protected Communications for Manned/Unmanned Teams. Effort also includes developing and integrating technologies, material solutions and tactics into a holistic system that will prevent detection of high value assets (such as command posts) from enemy ISR systems through concealment and strategic initiatives solutions. Additionally, effort plans include creating signature awareness, integrated power, reducing total electromagnetic signature, creating the means to disperse CP nodes and retaining effective Commander-Staff collaboration against near peer competition. These efforts will be demonstrated and evaluated with FORSCOM and inform the program technical baseline and doctrine, organization, training, materiel, leadership and education, personnel, and facilities (DOTMLPF). Innovative industry prototyping and evaluation associated with Technical Exchange Meetings (TEM) and other forums will lead to the assessment, demonstration, prototyping and integration of emerging industry solutions. Requirements for Command Post Mobility and Survivability will align with prioritization of science & technology and industry innovation efforts in support of the Army's modernized network of 2030/2040.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Decrease due to reduced requirements associated with transitioning science & technology and industry innovation efforts.</p>				
<p>Title: Program Management</p> <p>Description: Program management includes overall management of program execution, major events, reporting, funding execution, and contract management, as well as participation in program planning and Integrated Product Team meetings with key stakeholders.</p> <p>FY 2024 Plans: Funds will be used to provide overall management in support of Unified Network Transport efforts, including contractor personnel and contract management support via Army Contracting Command.</p> <p>FY 2025 Plans:</p>		0.637	0.500	0.300

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army	Date: March 2024
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Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT2 / <i>Command Post Mobility/Survivability</i>
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
Funds will be used to provide overall management in support of Unified Network Transport efforts, including contractor personnel and contract management support via Army Contracting Command.			
<i>FY 2024 to FY 2025 Increase/Decrease Statement:</i> Decrease due to reduced prototyping and experimentation requirements.			
Accomplishments/Planned Programs Subtotals	6.645	8.581	5.010

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

N/A

Remarks

N/A

D. Acquisition Strategy

Program Executive Office Command, Control, Communications-Tactical (PEO C3T), in partnership with the Network Cross-Functional Team (N-CFT), will align with Army network modernization priorities for technologies to be evaluated with appropriate Program Management (PM) offices where there is an opportunity for technology insertion. Technologies that are determined to address technology gaps and require further evaluation will be documented in a Product Plan that authorizes a plan of execution for each capability being pursued. The various prototyping technologies will be pursued via competitively awarded contracts using best value source selection procedures. Identified Technology Readiness Level (TRL) 6 technologies will be matured, demonstrated, tested, and evaluated in realistic environments to achieve TRL 7. Selected technologies will be integrated into existing Programs of Record. A Transition Agreement (TA) is completed between the receiving PEO and the Science and Technology (S&T) community no later than halfway between the project start date and the project's first anticipated transition of any product(s) to a PEO/PM.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT2 / <i>Command Post Mobility/Survivability</i>
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Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Management Office Support	C/Variou	BAH / ACC : APG, MD	0.381	0.543	Dec 2022	0.500	Dec 2023	0.300	Dec 2024	-		0.300	0.000	1.724	-
Industry Innovation Communications Gateway	C/CPFF	NIWC-LANT / SRC : North Charleston, SC	-	0.094	Dec 2022	-		-		-		-	0.000	0.094	-
Subtotal			0.381	0.637		0.500		0.300		-		0.300	0.000	1.818	N/A

Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Science & Technology (S&T) Maturation - Surv Cmd Post	C/CPFF	CCDC/Polaris Alpha/ AASKI : APG, MD / Fredericksburg,VA / Tinton Falls, NJ	8.560	-		-		-		-		-	0.000	8.560	-
S&T Maturation - Spectrum Obfuscation	C/CPFF	BAH : McLean, VA	6.358	-		-		-		-		-	0.000	6.358	-
S&T Maturation - Lower Echelon Analytics Platform-Tactical (LTAC)	C/CPFF	DEVCOM Armaments Center / Parsons Government Services : Picatinny, NJ / Centreville, VA	0.080	2.731	Jan 2023	-		-		-		-	0.000	2.811	-
S&T Maturation - Cloudcom Collaboration	C/CPFF	CACI : Chantilly, VA	-	1.195	Aug 2023	-		-		-		-	0.000	1.195	-
S&T Maturation Prototyping & Evaluation	C/Variou	DEVCOM C5ISR / PEO C3T : APG, MD	-	-		5.500	Dec 2023	2.240	Dec 2024	-		2.240	0.000	7.740	-
Industry Innovation - Metadata Tagging	C/CPFF	BAH : McLean, VA	-	2.082	Jun 2023	-		-		-		-	0.000	2.082	-
Industry Innovation Prototyping & Evaluation	C/Variou	Various : Various	4.897	-		2.581	Feb 2024	2.470	Feb 2025	-		2.470	0.000	9.948	-
Subtotal			19.895	6.008		8.081		4.710		-		4.710	0.000	38.694	N/A

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army **Date:** March 2024

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT2 / <i>Command Post Mobility/Survivability</i>
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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
Lower Echelon Analytics Platform Tactical (LTAC) Integration																												
Mobile and Survivable Command Posts (MASCP)																												
Industry Innovation Prototyping & Evaluation																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT2 / <i>Command Post Mobility/Survivability</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Survivable Command Post	2	2020	4	2022
Spectrum Obfuscation	2	2020	4	2022
Lower Echelon Analytics Platform Tactical (LTAC) Integration	2	2023	1	2025
Mobile and Survivable Command Posts (MASCP)	2	2025	4	2028
Industry Innovation Prototyping & Evaluation	4	2020	4	2029

Note

Industry Innovation Prototyping and Evaluation projects are awarded following Technical Exchange Meetings (TEM) and are continuous activities; Program Executive Office Command, Control, Communications-Tactical (PEO C3T) will engage industry partners in order to assess and demonstrate the latest emerging technologies which will reduce capability gaps and provide rapid software/hardware insertions into Programs of Records.

Changes from PB24 Schedule:

- Science and Technology (S&T) projects are evaluated based on ongoing forums with the S&T community. PEO C3T tracks changes to the S&T efforts, including but not limited to, titles, descriptions, Technology Readiness Level (TRL), planned program transition and transfer agreement status. PEO C3T utilizes this information to prioritize the S&T projects by fiscal year.
- Lower Echelon Analytics Platform Tactical (LTAC) Integration is projected to conclude in 1Q FY 2025.
- The schedule for Mobile and Survivable Command Posts (MASCP) is projected to commence in FY 2025 and is inclusive of multiple sub-efforts.
- The schedule for Industry Innovation Prototyping & Evaluation extends through FY 2029 to reflect the continuous nature of industry engagements.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army										Date: March 2024		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>				Project (Number/Name) BT3 / <i>Common Operating Environment (COE)</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
BT3: <i>Common Operating Environment (COE)</i>	-	9.032	7.215	7.058	-	7.058	7.067	7.142	7.222	7.294	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This funding line supports advanced component development activities that are aligned to Common Operating Environment (COE) requirements for the Army's modernized network of 2030/2040.

This project will inform a modernized network by evaluating and maturing the use of cloud technologies, virtual augmentation, artificial intelligence, data convergence and analytics in the Common Operating Environment. This includes processing and storage to improve the architecture support for mobile, secure and distributed operations. Common Operating Environment (COE) creates an approved set of standards, computing technologies, integrated data and databases, common graphics, and a unified set of mission command applications. It allows warfighters to adapt and configure the network as conditions change - which is outlined in the approved COE requirements documents.

FY 2025 funds will be used to mature technologies to assess and evaluate the technical feasibility of solutions for enhanced planning and execution capabilities that enable rapid decision making at the speed of relevance. Funds will also support identification, maturation, demonstration, and evaluation of Technology Readiness Level (TRL) 6+ systems and subsystem components including data discovery, synchronization, security, and analysis across multiple data silos and disparate data platforms to efficiently converge data types to support Joint and Coalition Interoperability requirements. Funds will also support integration with solutions identified in other Army network priorities to ensure network dependencies are addressed.

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

	FY 2023	FY 2024	FY 2025
Title: BT3 Common Operating Environment	8.705	6.815	6.660
Description: This funding is used to identify and acquire technologies to address gaps associated with the Common Operating Environment (COE), in the overall Integrated Network. This project creates an approved set of standards, computing technologies, integrated data and databases and common graphics and a unified set of mission command applications. It will also support collaboration using a common picture with joint and coalition mission partners. This project also delivers an integrated body of requirements that meet operational needs.			
FY 2024 Plans: Funds will be used to continue efforts to mature technologies that capture, correlate, present data and enable rapid decision making at the speed of relevance using Artificial Intelligence/Machine Learning (AI/ML) and Automated Data Processing capabilities. Funds will also be used to evaluate the technical feasibility of solutions for expanded computing in tactical			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT3 / <i>Common Operating Environment (COE)</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
<p>environments, data convergence, data fabric, sensor integration across identified platforms, flexible and scalable computing hardware/software, enhanced military decision making processes (MDMP), and applications security to inform command post computing environment tactical cloud/server infrastructure as well as efforts for innovative industry prototyping and evaluation associated with Technical Exchange Meetings (TEM) that will lead to potential solutions to assess, demonstrate, prototype, and integrate emerging industry solutions to mature Common Operating Environment capabilities. Requirements for Common Operating Environment will align with prioritization of science & technology and industry innovation efforts in support of Army Capability Set development.</p> <p>FY 2025 Plans: Funds will be used to continue efforts to mature technologies that capture, correlate, present data and enable rapid decision making at the speed of relevance using Artificial Intelligence/Machine Learning (AI/ML) and Automated Data Processing capabilities. Funds will also be used to evaluate the technical feasibility of solutions for data convergence, data fabric, sensor integration across identified platforms, adaptable computing hardware/software, enhanced military decision making processes (MDMP), and applications security to enhance the Common Operating Picture (COP) through the Command Post Computing Environment (CPCE). Funds will also be used for innovative industry prototyping and evaluation associated with Technical Exchange Meetings (TEM) and other forums that will lead to potential solutions to assess, demonstrate, prototype, and integrate emerging industry solutions to mature Common Operating Environment capabilities. Requirements for Common Operating Environment will align with prioritization of science & technology and industry innovation efforts in support of the Army's modernized network of 2030/2040.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Decrease due to reduced requirements associated with transitioning science & technology and industry innovation efforts.</p>				
<p>Title: Program Management</p> <p>Description: Program management includes overall management of program execution, major events, reporting, funding execution, and contract management, as well as participation in program planning and Integrated Product Team meetings with key stakeholders.</p> <p>FY 2024 Plans: Funds will be used to provide overall management in support of Unified Network Transport efforts, including contractor personnel and contract management support via Army Contracting Command.</p> <p>FY 2025 Plans:</p>		0.327	0.400	0.398

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT3 / <i>Common Operating Environment (COE)</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
Funds will be used to provide overall management in support of Unified Network Transport efforts, including contractor personnel and contract management support via Army Contracting Command.			
<i>FY 2024 to FY 2025 Increase/Decrease Statement:</i> Minor decrease due to alignment of funding among efforts..			
Accomplishments/Planned Programs Subtotals	9.032	7.215	7.058

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

N/A

Remarks

N/A

D. Acquisition Strategy

Program Executive Office Command, Control, Communications-Tactical (PEO C3T), in partnership with the Network Cross-Functional Team (N-CFT), will align with Army network modernization priorities for technologies to be evaluated with appropriate Program Management (PM) offices where there is an opportunity for technology insertion. Technologies that are determined to address technology gaps and require further evaluation will be documented in a Product Plan that authorizes a plan of execution for each capability being pursued. The various prototyping technologies will be pursued via competitively awarded contracts using best value source selection procedures. Identified Technology Readiness Level (TRL) 6 technologies will be matured, demonstrated, tested, and evaluated in realistic environments to achieve TRL 7. Selected technologies will be integrated into existing Programs of Record. A Transition Agreement (TA) is completed between the receiving PEO and the Science and Technology (S&T) community no later than halfway between the project start date and the project's first anticipated transition of any product(s) to a PEO/PM.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT3 / <i>Common Operating Environment (COE)</i>
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Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Management Office Support	C/Various	BAH / ACC : APG, MD	0.973	0.327	Jun 2023	0.400	Dec 2023	0.398	Dec 2024	-		0.398	0.000	2.098	-
Subtotal			0.973	0.327		0.400		0.398		-		0.398	0.000	2.098	N/A

Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Science & Technology (S&T) Maturation - Spectrum Awareness	C/Various	CCDC/BAH/MITRE : APG, MD	1.000	-		-		-		-		-	0.000	1.000	-
S&T Maturation - Cyber Situational Awareness	C/Various	CCDC/MITRE/CACI/ MIT LL : APG, MD, Various	3.500	-		-		-		-		-	0.000	3.500	-
S&T Maturation - Modular RF	C/Various	DEVCOM AvMC/ SAIC : Huntsville, AL	4.883	4.000	Jan 2023	-		-		-		-	0.000	8.883	-
S&T Maturation - C5ISR Modular Open Suite of Standards	C/CPFF	CCDC / CACI : APG, MD / Chantilly, VA	0.155	-		-		-		-		-	0.000	0.155	-
S&T Maturation - Rainmaker	C/Various	DEVCOM / Enlighten / Parsons Government Services : APG, MD / Linthicum Heights, MD / Centreville, VA	2.804	-		-		-		-		-	0.000	2.804	-
S&T Maturation - Roadrunner	C/CPAF	BAH : McLean, VA	-	0.500	Mar 2023	-		-		-		-	0.000	0.500	-
S&T Maturation - Geospatially Enabled Operational Design	C/CPFF	ERDC / Battelle : Alexandria, VA / Columbus, OH	0.054	2.446	Dec 2022	-		-		-		-	0.000	2.500	-
Science & Technology Maturation Prototyping & Evaluation	C/Various	DEVCOM C5ISR, PEO C3T : APG, MD	-	-		4.000	Dec 2023	3.900	Dec 2024	-		3.900	0.000	7.900	-

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT3 / <i>Common Operating Environment (COE)</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
Rainmaker	████████				████████																							
Modular RF	████████				████████																							
Geospatially Enabled Operational Design (GEOD)	████████				████████								████████															
Roadrunner	████████				████████																							
Dynamic Access Control -- Tactical	████████				████████								████████															
Echelons Above Brigade Operations Fires (EOF)	████████				████████												████████											
Maestro	████████				████████																████████							
Tactical Zero Trust	████████				████████																				████████			
Industry Innovation Prototyping & Evaluation	████████				████████																				████████			

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT3 / <i>Common Operating Environment (COE)</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Cyber Situational Understanding	2	2020	1	2022
Spectrum Awareness	2	2020	2	2021
Hardened Transport	4	2020	1	2021
Rainmaker	3	2022	2	2023
Modular RF	4	2021	4	2024
Geospatially Enabled Operational Design (GEOD)	1	2023	4	2026
Roadrunner	2	2023	1	2024
Dynamic Access Control -- Tactical	1	2026	4	2027
Echelons Above Brigade Operations Fires (EOF)	1	2027	4	2030
Maestro	1	2028	4	2029
Tactical Zero Trust	1	2029	4	2030
Industry Innovation Prototyping & Evaluation	4	2020	4	2029

Note

Industry Innovation Prototyping and Evaluation projects are awarded following Technical Exchange Meetings (TEM) and are continuous activities; Program Executive Office Command, Control, Communications-Tactical (PEO C3T) will engage industry partners in order to assess and demonstrate the latest emerging technologies which will reduce capability gaps and provide rapid software/hardware insertions into Programs of Record.

Changes from PB24 Schedule:

- Science and Technology (S&T) projects are evaluated based on ongoing forums with the S&T community. PEO C3T tracks changes to the S&T efforts, including but not limited to - titles, descriptions, Technology Readiness Level (TRL), planned program transition and transfer agreement status. PEO C3T utilizes this information to prioritize the S&T projects by fiscal year.
- Information Trust, previously captured on the BT3 schedule, is now captured under project BT5 (Integrated Tactical Network/Enterprise Network) and is projected to commence in FY 2025.
- Roadrunner's 6.4 RDTE requirement completed in FY23.
- Geospatially-Enabled Operation Design is projected to conclude in FY 2026 and is inclusive of multiple sub-efforts.

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT3 / <i>Common Operating Environment (COE)</i>

- Agile Virtual Enclave is removed from the schedule pending further technology maturation.
- PKI Modernization, previously captured on the BT3 schedule, is now captured under project BT5 (Integrated Tactical Network/Enterprise Network).
- Tactical Hardening for Quantum, previously captured on the BT3 schedule, is now captured under project BT5 (Integrated Tactical Network/Enterprise Network) is projected to commence in FY 2029
- Virtual Orchestration for Kinetic/Non-Kinetic Targeting Effects is now referred to as Maestro.
- Dynamic Access & Control-Tactical (DAC-T), previously captured on the BT5 schedule, is now captured under project BT3 (Common Operating Environment).
- Echelons Above Brigade Operations Fires (EOF) is identified as a 6.4 RDTE effort projected to commence in FY 2027.
- Tactical Zero Trust is identified as a 6.4 RDTE effort projected to commence in FY 2029.
- The schedule for Industry Innovation Prototyping & Evaluation extends through FY 2029 to reflect the continuous nature of industry engagements.

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army										Date: March 2024		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>				Project (Number/Name) BT5 / <i>Integrated Tactical Network/Enterprise Network</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
BT5: <i>Integrated Tactical Network/Enterprise Network</i>	-	19.939	25.119	19.769	-	19.769	19.754	19.996	20.247	20.516	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This funding line supports advanced component development activities that are aligned to Integrated Tactical Network and Enterprise Network requirements for the Army's modernized network of 2030/2040.

This project enables a converged Mission Command Network that operates seamlessly worldwide and in any environment. It includes the development of a standards-based network architecture that unifies enterprise and deployed network capabilities, and features a unified transport layer, network operations and other enabling functions that allows integration of disparate networks. The Army network will provide resiliency through path diversity and dynamic routing to ensure tactical units can communicate in hostile environments. It will provide multiple ways to communicate and give commanders the ability to have a network that delivers the right information and data at the right time during operations. It fully incorporates cyber and electronic warfare capabilities that support the employment of the network as a weapon system.

FY 2025 funding will be used to inform design decisions for Army network modernization in the areas of resilient wideband satellite communications capabilities, non-traditional waveforms, narrowband waveforms, and implementation of Automated Primary Alternate Contingency and Emergency (PACE) communications through evaluation and technical maturation. Funds also support identification, maturation, demonstration, and evaluation of Technology Readiness Level (TRL) 6+ systems and subsystem components including resilient, alternate Beyond Line of Sight (BLOS) capability in support of legacy high frequency waveforms. Funds also support development of Cyber Electromagnetic Activities (CEMA) situational understanding and operational integration and interoperability functions. Additionally, funds support development of a modular open standards systems architecture. Successful solutions identified through evaluation in a high fidelity and realistic operating environment will be transitioned to Programs of Record for integration and fielding. Funds will also support integration with solutions identified in other Army network priorities to ensure network dependencies are addressed. Funds will support highly scalable and robust waveforms with simplified network management for operations in congested or contested environments.

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

	FY 2023	FY 2024	FY 2025
Title: Project BT5: Integrated Tactical Network/Integrated Enterprise Network	18.182	23.890	18.653
Description: This funding is used to identify and acquire technologies to address gaps associated with the Unified Network for evaluation and demonstration in the overall Integrated Network. The Unified Network enables a converged Mission Command Network that operates seamlessly worldwide and in any environment. This will require the creation of a standards-based network architecture that effectively integrates enterprise and deployed network capabilities across domains and environments and features a unified transport layer that permits "plug and play" for specific network capabilities. This project addresses the following			

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT5 / <i>Integrated Tactical Network/Enterprise Network</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
operational requirements: Converged Mission Command Network, Network Augmentation / Extension, and Synthetic Training Environment.				
FY 2024 Plans: Funds will be used to continue science and technology evaluation and prototyping solutions to support approved requirements documents and critical network modernization efforts to accelerate/integrate Next Generation Tactical radios, automated cyber defense tools, non-traditional waveforms, narrowband waveforms, and Line of Sight (LOS) and Beyond Line of Sight (BLOS) communications. Funding will allow the Army to identify and prototype solutions to mature the implementation of Automated Primary Alternate Contingency and Emergency (PACE) communications, network transport and gateway components of the Mission Partner Environment (MPE) and share network operations information through warfighting assessments and evaluations that will inform future capability sets. Funds will also be used for advanced component development and for innovative industry prototyping and evaluation efforts associated with Technical Exchange Meetings (TEM) to assess, demonstrate, prototype, and integrate emerging industry solutions to mature unified network capabilities to include development of an open standards systems architecture. Requirements for Integrated Tactical Network/Integrated Enterprise Network will align with prioritization of science & technology and industry innovation efforts in support of Army Capability Set development.				
FY 2025 Plans: Funds will be used to continue science and technology evaluation and prototyping solutions to support approved requirements documents and critical network modernization efforts to accelerate/integrate Next Generation Tactical radios, automated cyber defense tools, non-traditional waveforms, narrowband waveforms, and Line of Sight (LOS) and Beyond Line of Sight (BLOS) communications. Funding will allow the Army to identify and prototype solutions to mature the implementation of Automated Primary Alternate Contingency and Emergency (PACE) communications, network transport and gateway components of the Mission Partner Environment (MPE) and share network operations information through warfighting assessments and evaluations that will inform future capabilities. Funds will also be used for advanced component development and for innovative industry prototyping and evaluation efforts associated with Technical Exchange Meetings (TEM) and other forums to assess, demonstrate, prototype, and integrate emerging industry solutions to mature unified network capabilities to include, but not limited to, development of an open standards systems architecture. Requirements for Integrated Tactical Network/Integrated Enterprise Network will align with prioritization of science & technology and industry innovation efforts in support of the Army's modernized network of 2030/2040				
FY 2024 to FY 2025 Increase/Decrease Statement: Decrease due to reduced requirements associated with transitioning science & technology and industry innovation efforts.				
Title: Program Management		1.757	1.229	1.116

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT5 / <i>Integrated Tactical Network/Enterprise Network</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
<p>Description: Program management includes overall management of program execution, major events, reporting, funding execution, and contract management, as well as participation in program planning and Integrated Product Team meetings with key stakeholders.</p> <p>FY 2024 Plans: Funds will be used to provide overall management in support of Unified Network Transport efforts, including contractor personnel and contract management support via Army Contracting Command.</p> <p>FY 2025 Plans: Funds will be used to provide overall management in support of Unified Network Transport efforts, including contractor personnel and contract management support via Army Contracting Command.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Decrease due to reduced effort in prototyping and experimentation requirements.</p>			
Accomplishments/Planned Programs Subtotals	19.939	25.119	19.769

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

N/A

Remarks

N/A

D. Acquisition Strategy

Program Executive Office Command, Control, Communications-Tactical (PEO C3T), in partnership with the Network Cross-Functional Team (N-CFT), will align with Army network modernization priorities for technologies to be evaluated with appropriate Program Management (PM) offices where there is an opportunity for technology insertion. Technologies that are determined to address technology gaps and require further evaluation will be documented in a Product Plan that authorizes a plan of execution for each capability being pursued. The various prototyping technologies will be pursued via competitively awarded contracts using best value source selection procedures. Identified Technology Readiness Level (TRL) 6 technologies will be matured, demonstrated, tested, and evaluated in realistic environments to achieve TRL 7. Selected technologies will be integrated into existing Programs of Record. A Transition Agreement (TA) is completed between the receiving PEO and the Science and Technology (S&T) community no later than halfway between the project start date and the project's first anticipated transition of any product(s) to a PEO/PM.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT5 / <i>Integrated Tactical Network/Enterprise Network</i>
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Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Project Management Office Support	C/Various	BAH / ACC : APG, MD	0.806	1.397	Jun 2023	1.229	Dec 2023	1.116	Dec 2024	-		1.116	0.000	4.548	-
Industry Innovation Communications Gateway	C/CPFF	NIWC-LANT / SRC : North Charleston, SC	-	0.360	Apr 2023	-		-		-		-	0.000	0.360	-
Subtotal			0.806	1.757		1.229		1.116		-		1.116	0.000	4.908	N/A

Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Science & Technology (S&T) Maturation - Soldier Authentication	C/CPFF	CCDC/FlexTech Alliance : APG, MD	4.000	-		-		-		-		-	0.000	4.000	-
S&T Maturation - INB2	C/FFP	CodeMettle : Atlanta, GA	7.946	-		-		-		-		-	0.000	7.946	-
S&T Maturation - AppSecC	C/CPFF	CCDC / CACI : APG, MD / Chantilly, VA	2.800	-		-		-		-		-	0.000	2.800	-
S&T Maturation - TSM IC	C/CPFF	CCDC/BAH/CACI : APG, MD/Mclean, VA/Arlington, VA	1.008	-		-		-		-		-	0.000	1.008	-
S&T Maturation - Next Generation High Frequency	C/Various	CCDC / MIT-LL / L3Harris : APG, MD / Lexington, MA / Palm Bay, FL	3.696	6.731	Dec 2022	-		-		-		-	0.000	10.427	-
S&T Maturation - Non-traditional Waveforms	C/CPFF	CCDC/BAH/CACI : APG, MD	1.454	-		-		-		-		-	0.000	1.454	-
S&T Maturation - Protected Comms for Manned-Unmanned Teaming	C/CPFF	DEVCOM/BAH/CACI : APG, MD	5.650	-		-		-		-		-	0.000	5.650	-
S&T Maturation - Resilient Wideband SATCOM Interference Cancellation	C/CPFF	CCDC/BAE : APG, MD/Burlington, MA	2.000	-		-		-		-		-	0.000	2.000	-

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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 / 4					PE 0604541A / Unified Network Transport					BT5 / Integrated Tactical Network/Enterprise Network					
Product Development (\$ 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
S&T Maturation - CMOSS Mounted Form Factor	C/Various	CCDC/Polaris Alpha/Spectranetix : APG, MD/Sunnyvale, CA	3.026	1.852	Nov 2022	-		-		-		-	0.000	4.878	-
S&T Maturation - Secured Handheld on Assured Resilient Networks at the Tactical Edge (SHARE)	C/CPFF	Two Six Technologies : Arlington, VA	1.465	-		-		-		-		-	0.000	1.465	-
S&T Maturation - Aerial Tier Networking	C/CPFF	DEVCOM/CACI/BAH : APG, MD	2.282	0.350	Jan 2023	-		-		-		-	0.000	2.632	-
Science & Technology (S&T) Maturation Prototyping & Evaluation	C/Various	DEVCOM C5ISR / PEO C3T : APG, MD	-	-		19.764	Dec 2023	13.483	Dec 2024	-		13.483	0.000	33.247	-
Industry Innovation - C5ISR Modular Open Suite of Standards (CMOSS)	C/Various	Trellisware/Spectranetix/GDMS/NGC : San Diego, CA/Sunnyvale, CA/Scottsdale, AZ	12.298	3.261	Jan 2023	-		-		-		-	0.000	15.559	-
Industry Innovation - Intra-CP Node Wireless	C/Various	L3Harris/BATS, Inc : Rochester, NY/Indianapolis, IN	1.721	-		-		-		-		-	0.000	1.721	-
Industry Innovation - SATCOM Modem Modernization & Virtualization	C/Various	Kratos/L3Harris : Colorado Springs, CO/Palm Bay, FL	3.852	0.758	Mar 2023	-		-		-		-	0.000	4.610	-
Industry Innovation - CMOSS Mounted Form Factor Chassis Software	C/CPFF	GDMS : Bloomington, MN	-	2.687	Aug 2023	-		-		-		-	0.000	2.687	-
Industry Innovation - Next Generation Blue Force Tracker CMOSS	C/CPFF	GDMS : Scottsdale, AZ	-	2.543	Aug 2023	-		-		-		-	0.000	2.543	-
Industry Innovation Prototyping & Evaluation	C/Various	Various : Various	0.261	-		4.126	Feb 2024	5.170	Feb 2025	-		5.170	0.000	9.557	-
Subtotal			53.459	18.182		23.890		18.653		-		18.653	0.000	114.184	N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT5 / <i>Integrated Tactical Network/Enterprise Network</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
Protected Comms for Manned-unmanned teaming (MUM-T)	█																											
Secured Handheld on Assured Resilient Networks at the Ta...	█	█																										
Aerial Tier Networking	█	█	█																									
CMOSS Mounted Form Factor (CMFF)	█	█	█	█																								
Next Generation High Frequency (NGHF)	█	█	█	█																								
Information Repository Intelligent System (IRIS)								█																				
Non-traditional Waveforms (NTW) Millimeter Wave (mmW)								█	█	█	█	█																
Information Trust																					█	█	█	█				
Autonomous Cyber																									█	█	█	█
Resilient Wideband SATCOM - OTM & ATH																									█	█	█	█
PKI Modernization																												
Multi-Orbit Modem																												
Predictive Intelligent Networking (PIN)																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT5 / <i>Integrated Tactical Network/Enterprise Network</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
Tactical Hardening for Quantum																												
Industry Innovation Prototyping & Evaluation																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT5 / <i>Integrated Tactical Network/Enterprise Network</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Application Security with Containers (AppSec-C)	2	2020	2	2021
Integrated Network Operations Battalion and Below (INB2)	2	2020	2	2022
Tactical Scalable Mobile Ad-hoc Networking (MANET) Interference Cancellation	4	2020	2	2021
Tactical IdAM -- Soldier Authentication	2	2020	4	2021
C5ISR/EW Modular Open Suite of Standards (CMOSS)	4	2020	1	2021
Resilient Wideband SATCOM - Interference Cancellation	3	2021	3	2022
Protected Comms for Manned-unmanned teaming (MUM-T)	1	2021	1	2023
Secured Handheld on Assured Resilient Networks at the Tactical Edge (SHARE)	2	2022	2	2023
Aerial Tier Networking	2	2022	4	2023
CMOSS Mounted Form Factor (CMFF)	2	2021	4	2024
Next Generation High Frequency (NGHF)	1	2023	4	2024
Information Repository Intelligent System (IRIS)	1	2024	4	2024
Non-traditional Waveforms (NTW) Millimeter Wave (mmW)	1	2024	4	2025
Information Trust	3	2024	3	2027
Autonomous Cyber	1	2025	4	2026
Resilient Wideband SATCOM - OTM & ATH	1	2025	4	2026
PKI Modernization	1	2026	4	2027
Multi-Orbit Modem	1	2026	4	2028
Predictive Intelligent Networking (PIN)	1	2027	4	2029
Tactical Hardening for Quantum	1	2029	4	2030
Industry Innovation Prototyping & Evaluation	4	2020	4	2029

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT5 / <i>Integrated Tactical Network/Enterprise Network</i>

Note

Industry Innovation Prototyping and Evaluation projects are awarded following Technical Exchange Meetings (TEM) and are continuous activities; Program Executive Office Command, Control, Communications-Tactical (PEO C3T) will engage industry partners in order to assess and demonstrate the latest emerging technologies which will reduce capability gaps and provide rapid software/hardware insertions into Programs of Record.

Changes from PB24 Schedule:

- Science and Technology (S&T) projects are evaluated based on ongoing forums with the S&T community. PEO C3T tracks changes to the S&T efforts, including but not limited to - titles, descriptions, Technology Readiness Level (TRL), planned program transition and transfer agreement status. PEO C3T utilizes this information to prioritize the S&T projects by fiscal year.
- Non-traditional Waveforms (NTW) Millimeter Wave (mmW) is projected to conclude in FY 2025.
- Next Generation High Frequency (NGHF) is projected to conclude in FY 2024.
- Adaptive Network Optimization Narrowband is removed from the schedule pending further technology maturation.
- Warrior Robust Enhanced Network (WREN) Enhancements is removed from the schedule pending further technology maturation.
- Dynamic Access Control-Tactical (DAC-T), previously captured on the BT5 schedule, is now captured under project BT3 (Common Operating Environment).
- Relay for Air Non-LOS Ground Environment (RANGE) is removed from the schedule pending further technology maturation.
- Multi-Orbit Modem is projected to commence in FY 2026 with two sub-tasks scheduled through FY 2028.
- Network Obscuration is removed from the 6.4 RDTE schedule for Unified Network Transport.
- Resilient Wideband SATCOM - On-the-Move and At-the-Halt - is projected to commence in FY 2025.
- Information Repository Intelligent System (IRIS) is identified as a 6.4 RDTE effort projected to begin in FY 2024.
- Autonomous Cyber is projected to commence in FY 2025
- Information Trust, previously captured on the BT3 schedule, is now captured under project BT5 (Integrated Tactical Network/Enterprise Network) and is projected to commence in mid-FY 2024.
- PKI Modernization, previously captured on the BT3 schedule, is now captured under project BT5 (Integrated Tactical Network/Enterprise Network).
- Tactical Hardening for Quantum, previously captured on the BT3 schedule, is now captured under project BT5 (Integrated Tactical Network/Enterprise Network) and is projected to commence in FY 2029.
- High-Altitude: WGS Ka Band Surrogate (HAWKS) is removed from the 6.4 RDTE schedule for Unified Network Transport.
- The schedule for Industry Innovation Prototyping & Evaluation extends through FY 2029 to reflect the continuous nature of industry engagements.