



Philadelphia, PA
29-30 MAY 2024

Accelerating Network Transformation

DESCRIPTION:

The Army’s Program Executive Office C3T and Network Cross-Functional Team will host a network-related technical exchange meeting (TEM) on May 29-30, 2024, at the Marriott City Center, Philadelphia, PA. The network is the Army’s number one transformation priority. TEM 12 will build upon previous TEMs with increased technical discussion, operational feedback, targeted prototyping contract opportunities, and strategic government/industry sessions. To support these goals, TEM 12 will provide sessions centered around topic areas including, but not limited to:

- “As a service” approaches
- Range extension and aerial tier networking
- Electromagnetic warfare and spectrum operations in the Pacific theater
- Powering the future network

As an “even” numbered TEM, this event will also offer RDT&E 6.4 funded prototype capability opportunities and provide updates on other S&T and program of record business opportunities. Opportunities will be discussed throughout the event, and 1-on-1 sessions will be offered through a registration process.

AGENDA:

28 MAY 2024

1700-1900	Registration	Salon E Lobby, 5 th Floor
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29 MAY 2024

0700-1700	Registration	Salon E Lobby, 5 th Floor
0815	GENERAL SESSION	
0815-0820	Administrative Remarks	5 th Floor Ballroom



0820-0900	Welcome and Opening Remarks <ul style="list-style-type: none"> – MG Jeth Rey, Director N-CFT – Mr. Mark Kitz, PEO C3T 	5 th Floor Ballroom
0900-0930	Keynote <ul style="list-style-type: none"> – LTG John Morrison, Army Deputy Chief of Staff, G-6 	5 th Floor Ballroom
0930-1030	Fireside Chat: Accelerating Transformation from Enterprise to Tactical <p>The Army has undergone a significant strategic shift from counterinsurgency (COIN) doctrine to a focus on large scale combat operations (LSCO) against peer adversaries. This transition is driven by the changing character of warfare, where space and cyberspace become central warfighting domains and the pace of technology advancement demands systems that are modular, open, intuitive, and distributed to reduce signature. To ensure the U.S. Army remains ahead of evolving threats, the Army is undergoing a once-in-a-generation transformation to achieve a more lethal, strategically mobile, and multidomain-capable combat ready force, now and into the future. This discussion will address how the Army is taking opportunities to accelerate the transformation of our C2 systems from the enterprise to the tactical edge.</p> <ul style="list-style-type: none"> – Chair: MG Jeth Rey, Director, Network CFT – MG Christopher Eubank, Commanding General, NETCOM – BG Marne Suttan, FORSCOM G6 – Dr. Alex Miller, CTO, Office of the CSA 	5 th Floor Ballroom
1030-1045	<i>Break</i>	
1045-1145	PANEL: As a Service Approaches <p>How the Army is exploring new business models for SATCOM and tactical radios to provide for rapid tech injection and opportunity to mitigate surge requirements.</p> <ul style="list-style-type: none"> – Moderator: COL Oz Ortiz, HQDA G-3/5/7 – COL Julia Donley, Commander, 21st SIG – LTC Mark Scott, PM TN – LTC Shawn Vergott, Virginia Army National Guard – MAJ Michael (Mike) Chastain, 11th CORPS SIG BDE – Ms. Andria Jack, PM TR 	5 th Floor Ballroom
1045-1145	BREAKOUT: CMOSS Mounted Form Factor (CMFF) Mounted Common Infrastructure Road to OTA Award	Franklin B



	<p>CMFF aims to streamline C5ISR/EW capabilities by moving towards a system with layered standards. This approach simplifies integration, cuts costs, and enhances flexibility to incorporate new technologies, avoiding proprietary constraints and fostering competition. The discussion will cover the contracting strategy for CMFF Mounted Common Infrastructure (MCI), the path to an Other Transaction Authority (OTA) award, MCI responsibilities, and recent industry feedback from an RFI.</p> <ul style="list-style-type: none"> - Introduction: COL Shermon Daiyaan, PM MC - Moderator: Mr. Douglas Burbey, PdM S2I - MAJ Nathan Shepard, APM CMFF MCI - Thomas Aitken, CMFF MCI Principal Engineer - Ari Nguyen – S2I Chief Engineer - Stephen “Graham” Lock – C5 PMO Acquisition Manager - Kristin Dawag, C5 Consortium Management Group 	
1145-1245	Lunch	
1245-1350	<p>PANEL: 6.4 Topics, Timeline, and Next Steps Even number TEMs are structured to offer industry an operational context to drive areas of focus and better understand capability gaps, and solicit proposals for basic and applied research and that part of development not related to development of a specific system or hardware procurement. The TEM 12 6.4 topics are as follows: 1) Automated Application Programming Interface (API) Management for Composable Software Architectures; 2) Autonomous Hyperspectral Defenses; and 3) Modular High Assurance Encryption to Optimize Sensitive But Unclassified - Encrypted (SBU-E) radios for Secret and Below.</p> <ul style="list-style-type: none"> - Chair: Mr. Jack Wilson, PM I2S - Moderator: Mr. Tim Selph, Deputy Director, Network CFT - MAJ Chase McCabe (6.4 topic: Autonomous Hyperspectral Defenses) - Mr. Chad Fox (6.4 topic: Autonomous Hyperspectral Defenses) - MAJ Nick Bono (6.4 topic: Automated API Management for Composable Software Architectures) 	5 th Floor Ballroom



	<ul style="list-style-type: none"> – Mr. Tyler Cook (6.4 topic: Modular High Assurance Encryption to Optimize SBU-E radios for Secret and Below) 	
1350-1445	<p>PANEL: Mission Packages for Mobile and Survivable Command and Control</p> <p>The Army is defining a range of modular and tailorable mission packages to enable command and control on the move. Supporting this effort, the Army will provide an update on its strategy, integration, and pilot efforts across transport and compute and store capabilities. Commanders will also provide their perspectives on mobile, survivable, and disaggregated C2.</p> <ul style="list-style-type: none"> – Introduction: Mr. Mark Kitz, PEO C3T – COL James Stultz, Commander, 2nd Brigade, 101st Airborne Division (Air Assault) – COL Rob Shaw, Commander, 3rd Brigade, 25th Infantry Division – LTC Herb Gamble, PdM CPI2 	5 th Floor Ballroom
1350-1445	<p>BREAKOUT: Sensor S&T Challenges in Support of C2 Modernization</p> <p>As edge sensors are proliferated across the battlefield to enable a Multi-Domain Operations (MDO) capable force, the Army will face challenges associated with sensor integration throughout the network. This panel will discuss the processing, synthesis, and disambiguation of disparate sensor information for optimal data sharing.</p> <ul style="list-style-type: none"> – Moderator: Ray Gary, Special Assistant to the C5ISR Center Principal Deputy Director for Research, Technology, and Integration – COL Michael Englis, Fires CDID – Dr. Mike Groenert, Assistant Director for EOIR Sensors, Modeling, Processing, and Power, C5ISR Center – Ms. Christine Moulton, Strategic Integration Manager, PEO IEW&S – Mr. Phil Chiu, PM Mission Command 	Franklin B
1445-1455	<i>Break</i>	
1500-1530	<p>Keynote</p> <ul style="list-style-type: none"> – GEN Randy George, 41st Chief of Staff of the Army 	5 th Floor Ballroom



1530-1615	<p>Operational -Technical Perspective Session 1: XVIII Airborne Corps</p> <p>Operationally focused discussion on C2 in DDIL (cloud and edge), data exchanges, app development, and transforming legacy staff processes to better integrate modern technology.</p> <ul style="list-style-type: none"> – Moderator: CW5 Jeramy Cosner, Network CFT – Mr. Jock Padgett, Advanced C2 Accelerator (AC2A) Director, OSD CDAO – COL Randy Linnemann, XVIII Chief Innovation Officer – COL Nicole Vinson, XVIII G6 	5 th Floor Ballroom
1615-1715	<p>PANEL: Mission Partner Environment: Strategy and Progress</p> <p>A Multinational perspective on observations during Project Convergence Capstone 4 and how Joint and Multinational experimentation has informed the development of the Mission Partner Environment, followed by a discussion on the future of the MPE and its applications.</p> <ul style="list-style-type: none"> – Moderator: Mr. Bert Shell, PEO C3T – AUS LTC Roger Pilton, Australian Army Liaison Officer, NET CFT – UK MAJ Jamie (JJ) Cameron, Project Harmonia Lead – LTC Jeremy Simmerman, Joint Modernization Command – CW4 Donald Acreman, Army Futures Command CIO – Mr. Christopher Prather, Multinational Interoperability Lead, MCCoE – Mr. Randy Wheeler, Risk Reduction & Experimentation, DEVCOM C5ISR 	5 th Floor Ballroom
1615-1715	<p>BREAKOUT: Defining Network Nirvana</p> <p>This breakout session will discuss integration points for the tactical and enterprise, and deep dive on the components for building a resilient network, including the Family of Terminals concept.</p> <ul style="list-style-type: none"> – Moderator: Mr. John Anglin, PM TN – Mr. Archie Kujawski, PM TN – Mr. Dan DeCamillo, PM TN – Mr. Rich Hoffmann, C5ISR Center – Mr. Peter Bach, C5ISR Center – CW4 Justin Hutchinson, ACM N&S 	Franklin B



30 MAY 2024

0730-1200	Registration	Salon E Lobby, 5 th Floor
0815-0830	Welcome Remarks <ul style="list-style-type: none"> – MG Jeth Rey, Director N-CFT – Mr. Mark Kitz, PEO C3T 	5 th Floor Ballroom
0830-0900	Keynote 3 <ul style="list-style-type: none"> – LTG Rob Collins, PMILDEP, ASA(ALT) 	5 th Floor Ballroom
0900-1000	PANEL: Experimentation and Next Generation C2 Warfighting Capabilities Next Generation C2 is a comprehensive approach to experiment, prototype, test and identify future changes for data-centric and transport-agnostic C2 capability. Capabilities delivered under the Next Generation C2 vision will employ modular and open architectures that can rapidly scale and evolve to meet mission needs. This panel will discuss how Next Generation C2 Warfighting Capabilities is evolving through experimentation at Project Convergence and NetModX, and setting conditions for future acquisition efforts. <ul style="list-style-type: none"> – Chair: Ms. Beth Ferry, Director, Engineering and Systems Integration, DEVCOM C5ISR – COL Michael Kaloostian, Director for Transport & Security, Next Generation C2, Army Futures Command – LTC Michael (Pat) Stallings, Squadron Commander, 1 ID 1 HBCT – Dr. Jean Vettel, Next Generation C2 Chief Scientist for Experimentation, DEVCOM C5ISR – MAJ Nick Bono, Project Office Next Generation C2 	5 th Floor Ballroom
1000-1015	<i>Break</i>	
1015-1115	Fireside Chat: Electromagnetic Warfare and Spectrum Operations in the Pacific Theater How the Army is focusing on the Pacific Theater and the use of electromagnetic warfare (EW) to support Joint, Coalition, and Army objectives, while managing and conducting electromagnetic spectrum (EMS) operations. Panelists will discuss operational perspectives and development of EW and EMS requirements to enable C2 and deliver effects at distances. <ul style="list-style-type: none"> – Introduction: BG Ed Barker, PEO IEWS 	5 th Floor Ballroom



	<ul style="list-style-type: none"> – Moderator: Mr. Chad Fox, Network CFT – COL Michael Arner, USARPAC/MDTF – COL Gary Brock, ACM EW 	
1015-1115	<p>BREAKOUT: UNO</p> <p>During this breakout session, Army stakeholders will provide an update to industry on the Unified Network Operations (UNO) FY26 and beyond contract strategy.</p> <ul style="list-style-type: none"> – Moderator: Mr. Jack Wilson, PM I2S – LTC Keith Jordan, PdM Tactical Cyber and NetOps, PM I2S – Mr. Tony Giles, PM I2S Contracting Branch Chief – Mr. John Kantonides, Lead Engineer, PdM TCNO 	Franklin B
1115-1215	<p>PANEL: Range Extension and Aerial Tier Networking</p> <p>The Army is accelerating its aerial tier network extension experimentation using manned and unmanned aerial platforms to create and extend a mesh network across challenging terrains, down to the dismounted Soldier. The panel will discuss the integration and experimentation efforts between partner organizations, emerging aerial communications technologies from the research and development community, and an operational perspective on how aerial tier networking extension experimentation is providing increased resiliency and options for commanders in the Pacific area of operations.</p> <ul style="list-style-type: none"> – Moderator: LTC Matt Haynes, NET CFT – Mr. Mark Mitcham, FVL CFT – MAJ Brad Anderson, PEO C3T – COL Rob Shaw, Commander, 3rd Brigade, 25th ID – Dr. Tucker Swindell, C5ISR Center 	5 th Floor Ballroom
1115-1215	<p>BREAKOUT: PM Mission Command Move to Modularity</p> <p>The PM MC portfolio consists of mounted, fire support, and command post C2 systems, which are designed in a message- driven architecture. PM MC is seeking a transition to a modular and tailorable common front-end User Interface supported by a common data platform, to enable data access and analytics for AI/ML, across formations and echelons to aid in mission effectiveness, ease of training, and ease of use across the portfolio.</p> <ul style="list-style-type: none"> – Moderator: COL Shermaan Daiyaan, Project Manager Mission Command – COL Michael Englis, Director of Fires Cell and Targeting, Fires CDID 	Franklin B



	<ul style="list-style-type: none"> – Mr. Deepak Bupathi, PM MC Deputy TMD Chief – Mr. Chris Lawrence, TAK Product Center Chief Engineer – Mr. Chris Matthews, PdM MMC Chief Engineer – Mr. Greg Blair, PdM Fires Support Command and Control 	
1215-1300	<i>Lunch</i>	
1300-1400	<p>PANEL: Powering the Distributed Network Electrical power is the backbone that allows our network to function and our Soldiers to shoot, move, and communicate in an increasingly digital future. This panel will focus on how to generate and sustain the electrical power needs of the force in a contested logistics and electromagnetic environment. The panel will discuss critical interoperable architectures and technological needs to maintain overmatch when access to traditional energy supplies might be insecure.</p> <ul style="list-style-type: none"> – Moderator: Ms. Marnie Bailey, DEVCOM C5ISR – MAJ Marshall Angerman, 1MDTF TF Planner/S4, USARPAC – Mr. Rob Watts, Deputy Director, Contested Logistics CFT – Mr. Mike Gonzalez, DEVCOM C5ISR – Mr. Corey Goetz, Chief, TMD, PEO CS&CSS 	5 th Floor Ballroom
1300-1400	<p>BREAKOUT: New Perspectives on Cost, Price, and Value for Agile Software Development The Army is pursuing an approved cost model for modern and agile software development, continuous integration and continuous delivery. Panelists will discuss this challenge and an industry RFI in which TEM 12 is the mid-point to review initial feedback and themes.</p> <ul style="list-style-type: none"> – Moderator: Ms. Kelly Tisch, Senior Acquisition Advisor (Network), ASA(ALT) – Mr. Tom Cummings, DASA(DES) – Ms. Jamie MacGillis ACC-APG – MAJ Nick Bono, Project Office Next Generation C2 	Franklin B
1400-1500	<p>Operational -Technical Perspective Session 2: I Corps Operationally focused discussion on how the Army is leveraging exercises, innovation, and persistent experimentation to advance capabilities to enable dispersed C2, EMS resilience, and Joint and Multinational interoperability in the Pacific.</p>	5 th Floor Ballroom



	<ul style="list-style-type: none"> – Moderator: CW5 Jeramy Cosner, Network CFT – COL Rett Burroughs, G6, I Corps – Dr. Kimberly Rapacz, Deputy G6, I Corps – CW4 Phil Dieppa, Senior Services Engineer, I Corps 	
1500-1530	<p>TEM 12 Wrap-Up and TEM 13 Preview</p> <ul style="list-style-type: none"> – Mr. Mark Kitz, PEO C3T – MG Jeth Rey, Director, Network CFT 	5 th Floor Ballroom