

U.S. ARMY

TEM 13 AGENDA

9-11 DEC 2024 - SAVANNAH, GA

DEC 9

1700-1900 | Registration
CHATHAM BALLROOM LOBBY

1730-2030 | TEM Welcome Reception
CHATHAM BALLROOM

DEC 10

0700-1700 | Registration
CHATHAM BALLROOM LOBBY

0830 | GENERAL SESSION

0830-0840 | Administrative Remarks
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0845-0905 | Welcome and Opening Remarks

- Mr. Mark Kitz, PEO C3N
- MG Patrick Ellis, Director C2 CFT
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0910-0940 | Keynote 1 – Army G6

- MG(P) Jeth Rey, Incoming DCS, G-6
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**0940-0950 | Academic Track
Introductory Remarks**

- Dr. Archie Holmes, Executive Vice Chancellor
for Academic Affairs, Office of Academic Affairs,
The University of Texas System

0950-1000 | Break

**1000-1100 | PANEL: (Warfighter)
“Operational Perspectives on Scaling C2 Fix”**

As the Army delivers the C2 Fix architecture and continues field assessments, operational users will share their observations. Discussion will focus on TTPs and training strategies to provide flexibility as we scale C2 Fix across the force, as well as areas where industry can assist.

Introduction: MG Patrick Ellis, Director C2 CFT

- COL Shawn McClure, FORSCOM G6
- COL David Lamborn, 2nd Brigade Commander,
25th Infantry Division
- LTC Jon Nielsen, 1-502nd Battalion Commander,
101st Airborne Division
(Air Assault)
- LTC Joe Kaminski, G6, 3rd Infantry Division
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**1100-1200 | PANEL: Priority Enterprise
Capabilities for a Unified Network Enabling
Tactical Effects**

The Army is on the cusp of some exceptional milestones that will enable a unified network based on zero-trust principles, fueling theater-enabled communications, tactical connectivity at the appropriate echelon, and opportunity for synergy across organizations to meet the needs of current and future operations. This panel will discuss the technical complexities, gaps and requirements of the Army's evolving unified network driven by the current operational environment and the changing character

of warfare. These integrated capabilities and common architectures will enable solutions at every echelon—from COCOM and cloud to Soldier radios—to enable Division-Centric Warfighting at Echelon in Large Scale Combat Operations.

- COL Jay Shell, PM IEN, PEO C3N
- COL Stuart McMillan, PM TN, PEO C3N
- CW5 Paul Sankey, Command CWO, NETCOM
- CW5 Matt McDougall, Sr. Tech Advisor, FORSCOM
- CW4 Kenyatta Clark, Sr. Tech Advisor (NC4SI) HQDA,
DCS/G-6
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**1100-1200 | BREAKOUT: ACADEMIC
TRACK: Fielding AI Research for Army
Networks: Opportunities and Gaps**

This panel will discuss the potential impacts of AI and machine learning research on Army networks. While AI has great potential, there is often a gap between research and fieldable Army network applications. The goal of this panel is to discuss these opportunities and gaps for transitioning and deploying academic research to Army networks. Participants in the panel have experience across the research spectrum at varying technical readiness levels.

- Moderator: Alex Liu, UT Austin
- Chandrajit Bajaj, UT Austin
- John Franklin, C5ISR Center
- Dr. Brian Rivera, DEVCOM Army Research Lab
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1200-1300 | Lunch

1300-1400 | PANEL: CBRND Support to C2

The JPEO-CBRND will host a panel focused on networking the CBRND Defense portfolio into echelon-appropriate mission command and other common operating environments to enable rapid and relevant decision support to mitigate CBRND effects.

- Moderator: Ms. Nicole Kilgore, JPEO-CBRND
- COL Alex Lovasz, US Army CBRN School
- Mr. Tim Tharp, JPM CBRN Sensors
- Mr. Paul Gietka, JPL CBRN Integration
- Mr. Josh Israel, Chief Engineer, JPEO-CBRND
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1400-1500 | PANEL: Transport Diversity

How the Army is leveraging various aerial platforms, paths, and technologies, such as drones, satellites, and unmanned aerial vehicles (UAVs), to enhance network resilience and coverage. This approach ensures reliable data transmission by reducing dependency on a single link and improving connectivity in challenging environments.

- Moderator: LTC Matt Haynes, Mission Team Lead,
C2 CFT
- COL Scott Macdonald, ACM N&S
- Mr. Phillip Nguyen, Unified Network Lead, C2 CFT
- MAJ Dom Adams, ACM Tactical Radios, Cyber CDID
- LTC Joseph Kaminski, Assistant Chief of Staff, G-6,
3rd Infantry Division
- Mr. Dennis Teefy, PM TR, PEO C3N
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**1400-1500 | BREAKOUT: Shaping the
Future of the Army's Base Emergency
Communications System**

The Army Base Emergency Communications System (BECS) delivers unified emergency communications for Army Installation's public safety and first responder personnel. As the Army transitions to an "all Internet Protocol (IP)," the systems currently supporting Army Installation emergency communications will need to change as well. This panel will discuss how current BECS solutions can achieve newfound efficiencies and take advantage of emerging "hosted" capabilities.

- Moderator: Roger Myers, Support CTR, Product
Director Base Emergency Communications
Systems (PD BECS) Acquisition Support
- Mr. Joe Wieland, PD BECS, PEO C3N
- Mr. Jon Marcy, Support CTR, PD BECS Technical
Support and Integration
- Mr. Lee Curling, Support CTR, PD BECS Technical
Support and Integration
- Mr. Alberto Dominguez, PD BECS, PEO C3N, EMWN
Program Officer
- Mr. Kerry F. Owens, OPMG
- Mr. Josh Solomon, US Army IMCOM, Provost
Marshal/Protection Directorate,
Law Enforcement Branch
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1500-1515 | Break

**1515-1615 | PANEL: Zero Trust Update
and Opportunities**

In line with DoD and Army Zero Trust architecture principles and strategies, the programs for both Enterprise and Tactical Identity, Credential and Access Management (E-ICAM and T-ICAM) are supporting the Army's Unified Network with applications that identify who and what is operating on the network and what data they are accessing. The panel will discuss ICAM program updates, implementation of Unified Security Information and Event Management (uSIEM) capabilities, and how the principles are applied for business system and tactical platforms.

- Moderator: Mr. Randy Young, TMD Chief, PEO C3N
- CW4 Ben Koontz, Director A-FMO ZT, HQDA DCS, G-6
- Mr. Nihar Patel, Sr. Science and Technology Advisor,
C2 CFT
- Mr. John Shotwell, Product Lead, E-ICAM
- LTC Keith Jordan, Product Manager, TCNO
- Ms. Shannon Jones, NetOps and Cyber Security Lead,
PM TN
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**1515-1615 | BREAKOUT:
C2 Fix Architecture Way Ahead**

C2 Fix is the Army's ongoing effort to transform tactical communications architectures so that formations are more mobile, lethal, and survivable during large-scale combat operations. This session will describe more about what the new architecture looks like, current key components/solutions, and what's next.

- Mr. Ward Roberts, Assistant PEO C3N
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1615-1715 | PANEL: The Future of Multinational C2: Standards and Interoperability

As the US Army pivots to the future of C2, there is opportunity to incorporate coherence to standards that are critical enablers for multinational interoperability. This panel will articulate a set of existing, minimum viable standards and pulse industry for feedback on opportunities to modernize and innovate toward a coherent data architecture. Industry feedback is needed to ensure we are building toward a strong foundation (standards set) and to limit rework of multinational interoperability later on during execution. This panel will provide the context and "ask" of industry that will be followed by a formal RFI derived in coordination with our multinational partners.

- LTC Nick Bono, NGC2, PEO C3N
- COL Ian Large, Assistant Head Chief Digital and Data Officer, Army Info Interop Lead, UK Army
- LTC Roger Pilton, Australian Army, LNO, C2CFT
- Ms. Kelly Tisch, NGC2, ASA(ALT)

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0730-1200 | Registration

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0815-0830 | Welcome Remarks

- Mr. Mark Kitz, PEO C3N
- MG Patrick Ellis, Director C2 CFT

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0830-0900 | Keynote 2—AFC

- Mr. Joe Welch, Deputy to the Commanding General, AFC

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0900-1000 | Fireside Chat: "Operationalizing the NGC2 Vision"

The Army has gathered data from PCC4 and NetModX to build momentum for a NGC2 "proof of principle" demonstration in March 2025 at PCC5. In parallel, these lessons learned informed requirements and the establishment of a new program. Leveraging the Software Acquisition Pathway Planning Phase, the Army is preparing to start initial prototyping along with experimentation to deliver NGC2 capabilities to the field. Leaders from PEO C3N, AFC, and the C2 CFT will discuss how Army Senior Leader buy-in and mature technology can turn the NGC2 vision into reality.

- Moderator: Mr. Mark Pomerleau, Defense Scoop
- Dr. Alex Miller, CSA CTO
- Mr. Mark Kitz, PEO C3N
- Ms. Beth Ferry, C5ISR Center
- MG Patrick Ellis, Director C2 CFT

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1000-1015 | Break

1015-1115 | PANEL: NGC2 Initial Prototyping

This panel will break down the NGC2 plan for initial prototyping. The discussion will center on delivering MVP capabilities and establishing an environment that can quickly and accurately identify user needs and deliver capabilities.

- Moderator: BG Kevin Chaney, Deputy PEO C3N
- COL Mike Kaloostian, AFC NGC2
- COL Matt Skaggs, AFC NGC2
- LTC Nick Bono, PEO C3N
- Ms. Erin Gardner, PEO C3N

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1115-1215 | Fireside Chat: EW, Intel and Sensor Support to NGC2

The Army must concurrently modernize our intelligence systems and deliver new electronic warfare capabilities and sensors to keep pace with the Army's transformation of the network into a data-centric command and control architecture. PEO IEW&S will share how they are reducing complexity and adding capability for its intel and EW formations, increasing survivability of mobile command posts by reducing electromagnetic signatures, and improving interoperability to enable commanders to make more, better, and faster decisions than the enemy and synchronize and manage combat power to outpace adversaries. Project Managers will discuss how they are delivering immersive, simple and more intuitive capabilities to enable the MDO force of 2030. Discussion will cover experimentation and modern acquisition approaches and practices that will allow the army to be agile and responsive to the ever changing threat environment.

Introduction: BG Ed Barker, PEO IEW&S

- Moderator: Mr. Chad Fox, C2 CFT
- COL Matt Skaggs, AFC NGC2
- COL Chris Anderson, PM IS&A, PEO IEW&S
- Mr. Mark Saxon, Deputy PM EW&C
- CW3 Patrick Brantz, ACM-EW

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1115-1215 | BREAKOUT: ACADEMIC TRACK: Technical and Non-technical Advancements and Challenges in Achieving Tactical Autonomous Active Cyber Defense in US Army Operations

The US Army's tactical autonomous active cyber defense (TAAACD) involves an autonomous decision framework that relies on AI/ML techniques and measurement of internal and external effects. Accomplishing TAAACD presents several technical and non-technical challenges. This panel will discuss and explore technological advancements and challenges associated with such autonomous decision making and response, as well as non-technical considerations.

- Moderator: Dr. Stephen Bayne, Texas Tech University
- Dr. Anthony Rios, UTSA
- Erdogan Dogdu, Angelo State University
- Kristin Schweitzer, DEVCOM Army Research Lab
- Dr. Nicole Beebe, UTSA

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1215-1300 | Lunch

1300-1400 | PANEL: Unified Network Operations

The Unified Network Operations (UNO) is a critical component of the Army's network modernization plan, unifying its tactical and enterprise networks into a more simplified and efficient operating system. This panel will provide industry with updated information on the anticipated UNO IDIQ contract timelines, structure, and task orders.

- Moderator: Mr. Jack Wilson
- LTC Keith Jordan, PM I2S, PEO C3N
- COL Jay Shell, PM IEN, PEO C3N
- Ms. Jamie MacGillis, ACC
- CW5 Paul Sankey, Command CWO, NETCOM

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1300-1400 | BREAKOUT: ACADEMIC TRACK: Data Aggregation Tools for Mission Assurance

This panel will address the complex research and development problems in the big multimodal data aggregation required for sourcing data from multiple battlespaces through different sensing mechanisms,

compiling the data into a format that can facilitate analytics in both space and time, derive insights and visualize them using the principles of cognitive ergonomics. The panel discussion will cover the broad range of following topics required for the aggregation of large multimodal data from the five domains of battlespaces: Artificial Intelligence (AI) and Machine Learning (ML) capabilities, Wireless and Mobile Communication systems and eXtended Reality (XR) technologies.

- Moderator: Prof. Kevin Hamlen, UT Dallas
- Prof. Sriraam Natarajan, UT Dallas
- Prof. Matthew Swarts, GTRI Georgia Tech
- Kristin Schweitzer, DEVCOM Army Research Laboratory

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1400-1500 | PANEL: DOD and Industry Engagements

The JTNC will host a panel discussion focusing on best practices for government organizations and industry partners relative to effective engagements. The JTNC will share recent experiences and lessons learned from industry engagements in the areas of resiliency and continuing success with the Joint Communications Marketplace (JCM).

- Mr. Mat Guerrieri, JTNC Deputy
- Ms. Kathy Klinar, JCM Lead
- CW5 Jeremy Cosner, CTO C2 CFT
- Mr. John Crone, PdM NIM, PM I2S, PEO C3N

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1400-1500 | BREAKOUT: Strengthening the Intel Sensor Data Chain

The Army has established an interoperability and integration approach for the adoption of Open APIs such as the Integrated Sensor Architecture (ISA) and Hydra. A challenge we are addressing is how to integrate Intelligence with Mission Command information to enable commanders' decision making. Following MOSA guidelines, open standards, and well-defined APIs, the Army has identified a path for sharing Intelligence to Mission Command and Soldier systems to meet the Soldiers' needs by connecting the standard APIs for ISA and Hydra into a new product, Falkor. The discussion will cover lessons learned on collaboration and seamless sharing of information, leveraging ISA and the Falkor bridge to provide information from sensors and Intel to Mounted Mission Command, how this same sensor and Intelligence can be provided to Soldier systems operating on TAK, and how these connections ease operations with coalition partners.

- Moderator: Ms. Christine Moulton, Integration Dir., PEO IEW&S
- Mr. Jess Stock, PM IS&A, PEO IEW&S
- Mr. Gonzalo Pareja, PM MC, PEO C3N
- LTC Justice Castillo, 18th ABC

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1500-1530 | Procurement Action Lead Time (PALT) Update

This session will highlight current contract timelines across the PEO C3N portfolio.

- Mr. Mark Kitz, PEO C3N
- BG Kevin Chaney, Deputy PEO C3N

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1530-1600 | TEM 13 Wrap-Up and TEM 14 Preview

- Mr. Mark Kitz, PEO C3N
- MG Patrick Ellis, Director C2 CFT

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TEM 13