



U.S. ARMY CYBER COMMAND

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11TH CYBER BATTALION / EXPEDITIONARY CYBER ELECTROMAGNETIC ACTIVITIES (ECT) INFORMATION SHEET

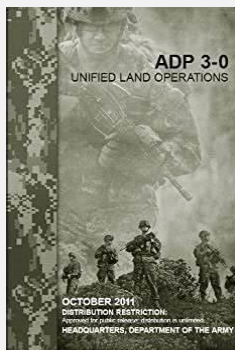


MISSION: 11th Cyber Battalion, activated in 2019, deploys Expeditionary Cyber and Electromagnetic Activities (CEMA) Teams (ECT) to gain tactical superiority in the Electromagnetic Spectrum (EMS), Cyberspace, and Information Environment in order to enable the lethality of the Army and Joint Force throughout the conflict continuum. The ECTs close gaps at the tactical edge, employing offensive Cyber, Information Advantage (IA), and Electromagnetic Warfare (EW) capabilities.

HOW CEMA SUPPORTS THE ARMY:

2012-2017

“Adapt faster than our adversaries”

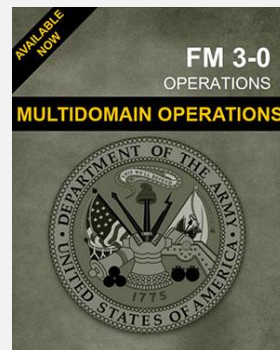


“Adapt to the New Operational Framework”



2018-Present

“Defeat enemy integrated fires complex”



“Strategic, Joint, Remote, Sanctuary”



“Integrate CEMA into land maneuver”



“Tactical, organic, proximal, battlefield”



11TH CYBER BATTALION / ECTs



Chief of Staff of the Army's four focus areas:

- Warfighting
- Delivering Ready Combat Formations
- Continuous Transformation
- Strengthening The Profession

1. Warfighting: In the contemporary operating environment, our adversaries gain tactical and operational advantages by creating Anti-access/Area Denial (A2AD) zone that prevent the ability for our maneuver formations to shoot, move, and communicate. ARCYBER is developing concepts and capabilities, as well as the necessary Command Relationships (COMREL) and authorities, to enable ECTs to disrupt an A2AD zone and provide commanders the opportunity to fight in a contested EMS, cyberspace, and information environment.

2. Delivering Ready Combat Formations: 11th Cyber BN (11th CB) conducts tough realistic training in the most challenging of environments to ensure they are ready to achieve mission success. 11th CB also enables the readiness of Army formations by serving as CEMA enablers or EW Opposing Forces (OPFOR) at home station training events, Combat Training Centers (CTC) rotations, Warfighter Exercises (WFX), and theater level exercises. This allows Army formations at echelon to understand the integration of organic and external CEMA capabilities to their scheme of maneuver, and to understand how to maneuver within a contested EMS environment.

3. Continuous Transformation: 11th Cyber BN constantly evaluates the operating environment to stay ahead of threats and adversaries in a multi-domain fight. In conjunction with the ARCYBER Technical Warfare Center, Cyber Capability Development and Integration Directorate (CDID), and Army Capability Managers – Cyber / Electronic Warfare (ACM-Cyber / EW), 11th Cyber BN develops innovative solutions and informs the development of agile CEMA platforms to dominate the cyber domain and the electromagnetic spectrum.

4. Strengthening the Profession: As 11th Cyber BN continues to deploy to different theaters to participate in training exercises and operations, ARCYBER continues to develop internal deployment and Reception, Staging, Onward-Movement & Integration processes, and it continues to inform Fort Eisenhower (IMCOM) and the Army on power projection requirements for expeditionary deployments of ECTs and their enablers. Ensuring ECTs are tied into power projection and theater-level RSOI processes is critical to ensuring ECTs can deploy globally to support CEMA requirements throughout the conflict continuum.

Key Points:

- Army Cyber Command continues to mature the structure, mission, and concept for the ECTs. Based on lessons learned over the past five years, ARCYBER has refined the operational

11TH CYBER BATTALION / ECTs



concept to account for Army doctrinal and organizational changes. This refined concept now accounts for employment across the competition continuum.

- The Army is seeking appropriate command relationships to ensure that ARCYBER can employ thoroughly trained ECTs with appropriate intelligence and authorities in support of theater Army missions for Joint Force Commanders throughout the competition continuum.
- ARCYBER's refined operational concept for the ECTs incorporates lessons learned and feedback from involvement in over two dozen CTC rotations as well as from participation in multiple WFXs, theater level exercises, and the Army's [Project Convergence experimentation](#) series. As the ECTs continue to mature through real-world operations, experiments, and exercises, ARCYBER will continue to refine their concepts of operations to provide better support and consequential effects to commanders.

SENIOR LEADER QUOTES

Gen. Randy A. George

Chief of Staff, U.S. Army

"The world and warfare are changing rapidly. We will stay ahead of our adversaries. And so, continuous transformation means iteratively adapting and evolving how we fight, how we organize, how we train, and how we equip."

Lt. Col. Luis Etienne

Commander, 11th Cyber Battalion, U.S. Army Cyber Command

"Just as GEN Patton led the modernization of tank warfare into WWII, the leaders and Soldiers of the 11th Cyber Battalion spearhead concept development for the delivery of CEMA combat power to the tactical edge of the contemporary battlefield. As the Army's only expeditionary CEMA force, 11th Cyber Battalion stands ready to provide Cyber, Electronic Warfare, and Information Advantage capabilities to the Army and Joint Force to enable multi-domain operations anywhere in the world. I am truly humbled to serve with such a talented group of innovative, fit, and combat ready Soldiers."