

**150-MC-5900**  
**Coordinate Cyber Electromagnetic Activities (Brigade - Corps)**  
**Status: Approved**

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**Distribution Restriction:** Approved for public release; distribution is unlimited.

**Destruction Notice:** None

**Foreign Disclosure: FD1** - This training product has been reviewed by the training developers in coordination with the Fort Leavenworth, KS foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

**Condition:** The command receives an operations plan, or warning, operations, or fragmentary order from higher headquarters and is exercising mission command within the operations environment. The commander issues guidance on coordinating cyber electromagnetic activities. The command establishes communications with subordinate and adjacent units, and higher headquarters. The mission command systems are operational and processing information. Some iterations of this task should be performed in MOPP 4.

**Standard:** The staff officer, in coordination with the Cyber Electromagnetic Activities element, coordinates cyber electromagnetic activities to seize, retain, and exploit advantages over threats in both cyberspace and across the electromagnetic spectrum while simultaneously denying and degrading the threat. The staff officer follows commanders guidance and standard operating procedures and coordinates cyber electromagnetic activities to protect the mission command systems.

**Special Condition:** None

**Safety Risk:** Low

**MOPP 4:** Sometimes

<b>Task Statements</b>
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**Cue:** None

<b>DANGER</b>
None

<b>WARNING</b>
None

<b>CAUTION</b>
None

**Remarks:** None

**Notes:** The term Staff Officer refers to the Chief of Staff (COS), Deputy Commanding Officer (DCO), or the Executive Officer (XO).

### **Performance Steps**

1. The staff officer, in coordination with the cyber electromagnetic activities element, employs cyber electromagnetic activities (CEMA) throughout the operations process in support of the commander's visualization and the unit's employment of forces:

- a. Coordinates CEMA among the staff and with the unit's mission command systems.
- b. Integrates CEMA with information-related capabilities to accomplish the desired objectives.
- c. Determines how CEMA creates the desired effects in the unit's area of operations.
- d. Identifies organic and external CEMA requirements and capabilities.
- e. Determines the legal and policy compliance constraints based on higher headquarters guidance.
- f. Integrates offensive and defensive CEMA capabilities with the commander's stated guidance and the unit's concept of operation.

2. The staff officer in coordination with the CEMA element develops CEMA support of the overall plan:

a. Coordinates with the appropriate legal support, briefs the commander on CEMA associated rules of engagement impact and constraints.

Note: Coordinate with the Staff Judge Advocate to confirm compliance with the status of forces agreement, rules of engagement, and international law.

- b. Integrates all planned CEMA related functions and capabilities.
- c. Coordinates internally with subordinate units, as well as externally with supported, supporting, and adjacent units that own and/or control cyber electromagnetic resources to facilitate CEMA.
- d. Develops and maintains a consolidated CEMA target synchronization matrix.
- e. Establishes CEMA measures of performance (MOP) and measures of effectiveness (MOE) to assist in the evaluation of CEMA progress.
- f. Coordinates information collection based on CEMA MOP and MOE with higher, adjacent, and subordinate organizations or units.
- g. Monitors CEMA employment.
- h. Evaluates CEMA MOP and MOE progress towards achieving desired objectives.
- i. Recommends adjustments to the plan based on the CEMA running estimate.

3. The staff officer coordinates with the CEMA element for EW operations:

- a. Plans electronic attack (EA), electronic protect (EP), and electronic warfare support (ES) requirements.
- b. Coordinates EA, EP, and ES requirements.
- c. Assesses progress towards achieving EA, EP, and ES objectives.
- d. Provides electronic warfare (EW) threat expertise during intelligence preparation of the battlefield.

- e. Integrates EA with all other fires effects.
- f. Provides tactical targeting information derived from EW operations for the targeting process.
- g. Prioritizes EW effects and targets with the Fires element.
- h. Coordinates EW operations across functional and integrating cells.
- i. Deconflicts EW operations with the spectrum manager.
- j. Maintains the EW running estimate.
- k. Prepares EW-related content for plans and orders.
- l. Coordinates EW operations with information collection activities.

4. The staff officer, in coordination with the S6 element , develops the EMS management for communication and electronic resources, to include:

- a. Issues signal operating instructions.
- b. Manages all spectrum resources throughout the unit.
- c. Coordinates for spectrum usage with higher echelon and applicable host-nation and other external agencies, as necessary.
- d. Coordinates the Joint Restricted Frequency List and emissions control guidance.
- e. Coordinates frequency allotment, assignment, and use.
- f. Coordinates electromagnetic deception plans and operations in which assigned communications resources participate.
- g. Coordinates measures to eliminate, moderate, or mitigate electromagnetic interference.
- h. Deconflicts the EMS for all users.
- i. Performs spectrum interference resolution.

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** Score the Soldier GO if he/she passes all performance measures. Score the Soldier NO-GO if Soldier fails any performance measure. If the Soldier scores NO-GO, show the Soldier why he/she failed and show the Soldier how to perform the measure correctly.

**Evaluation Preparation:** Brief the Soldier: Explain expectations to the Soldier by reviewing the task standards. Stress to the Soldier the importance of observing all cautions and warnings to avoid injury to personnel and, if applicable, damage to equipment.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. The staff officer, coordinated with the Cyber Electromagnetic Activities element, employed cyber electromagnetic activities (CEMA) throughout the operations process in support of the commander's visualization and the unit's employment of forces.			
2. The staff officer, coordinated with the CEMA element, developed the CEMA support to the overall plan.			
3. The staff officer coordinated with the CEMA element for EW operations.			
4. The staff officer, coordinated with the S6 element, developed the EMS management for communication and electronic resources.			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	ADP 6-0 (Change 002, March 06, 2014)	Mission Command <a href="http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/adp6_0_new.pdf">http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/adp6_0_new.pdf</a>	Yes	No
	ADRP 3-0	Unified Land Operations	Yes	No
	ADRP 5-0	The Operations Process	Yes	No
	ADRP 6-0 (Change 002, March 28, 2014)	Mission Command <a href="http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/adrp6_0_new.pdf">http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/adrp6_0_new.pdf</a>	Yes	No
	ATP 5-19 (Change 001 09/08/2014 78 Pages)	RISK MANAGEMENT <a href="http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp5_19.pdf">http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp5_19.pdf</a>	Yes	No
	FM 3-13	Inform and Influence Activities	Yes	No
	FM 3-36	Electronic Warfare in Operations	Yes	Yes
	FM 3-38	CYBER ELECTROMAGNETIC ACTIVITIES <a href="http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/fm3_38.pdf">http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/fm3_38.pdf</a>	Yes	No
	JP 3-13.1	Electronic Warfare	Yes	No

**TADSS :**

TADSS ID	Title	Product Type
71-ALOTT	Army Low Overhead Training Toolkit	SIM
71-30	Joint Land Component Constructive Training Capability (JLCCTC) Objective System	DVC
71-20	Common Hardware Platform (CHP)	DVC

**Equipment Items (LIN):** None

**Materiel Items (NSN) :**

Step ID	NSN	LIN	Title	Qty
No materiel items specified				

**Environment:** Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card.

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and

weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

**Prerequisite Individual Tasks :**

Task Number	Title	Proponent	Status
024-COP-3105	Integrate Offensive Cyberspace Operations	024 - Information Operations (Individual)	Approved
150-290-0015	Manage Cyber Electromagnetic (CEM) Working Group Outputs	150 - Combined Arms (Individual)	Approved

**Supporting Individual Tasks :**

Task Number	Title	Proponent	Status
150-029-0007	Produce Electronic Warfare Products in Support of the Military Decision Making Process (MDMP)	150 - Combined Arms (Individual)	Approved
150-MC-5111	Conduct the Military Decisionmaking Process	150 - Combined Arms (Individual)	Approved

**Supported Individual Tasks :** None

**Supported Collective Tasks :**

Task Number	Title	Proponent	Status
71-8-5100	Conduct the Mission Command Operations Process for Corps	71 - Combined Arms (Collective)	Approved
71-1-5100	Conduct the Mission Command Operations Process for Battalions	71 - Combined Arms (Collective)	Analysis
71-8-5100	Conduct the Mission Command Operations Process for Corps	71 - Combined Arms (Collective)	Analysis
71-1-5100	Conduct the Mission Command Operations Process for Battalions	71 - Combined Arms (Collective)	Approved
71-8-5001	Conduct Army Design Methodology for Battalions, Brigades, Divisions, Corps, and echelons above Corps	71 - Combined Arms (Collective)	Proposed
71-9-5450	Coordinate Support for Forces in Theater for Theater Army	71 - Combined Arms (Collective)	Approved
71-7-5100	Conduct the Mission Command Operations Process for Divisions	71 - Combined Arms (Collective)	Approved
71-9-5901	Coordinate Cyber Electromagnetic Activities for Theater Army	71 - Combined Arms (Collective)	Approved
71-6-5100	Conduct the Mission Command Operations Process for Brigades	71 - Combined Arms (Collective)	Approved
71-9-5100	Conduct Mission Command for Theater Level Operations for Theater Army	71 - Combined Arms (Collective)	Approved
71-9-2500	Establish Intelligence Enterprise Interoperability for Theater Level Operations for Theater Army	71 - Combined Arms (Collective)	Approved
71-7-5100	Conduct the Mission Command Operations Process for Divisions	71 - Combined Arms (Collective)	Analysis
71-9-7250	Develop Enterprise Architectures for Theater Army	71 - Combined Arms (Collective)	Approved
71-6-5100	Conduct the Mission Command Operations Process for Brigades	71 - Combined Arms (Collective)	Analysis

**ICTL Data :**

ICTL Title	Personnel Type	MOS Data
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Mission Command Warfighting Function	Any	
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