

Training and Evaluation Outline Report

Status: Approved

20 Mar 2015

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Task Number: 71-CORP-5715

Task Title: Control Tactical Airspace (Brigade - Corps)

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 foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary	Source Information
	FM 3-52	AIRSPACE CONTROL	Yes	Yes	
	JP 3-52	JOINT DOCTRINE FOR AIRSPACE CONTROL IN THE COMBAT ZONE	Yes	No	

Conditions: The command receives a mission order from higher headquarters and the commander issues guidance on controlling tactical airspace. The command establishes communications with subordinate and adjacent units, and higher headquarters. The mission command system is operational and processing information. Some iterations of this task should be performed in MOPP 4.

Standards: The staff prepares and implements the tactical airspace control plan and manages all associated airspace control measures within the area of operations to prevent fratricide, enhance Air and Missile Defense operations, and permit flexible use of airspace during tactical operations in accordance with the commanders intent, orders from higher headquarters, and unit standard operating procedure.

Live Fire: No

Objective Task Evaluation Criteria Matrix:

Plan and Prepare		Execute					Evaluate		
Operational Environment	Training Environment (L/V/C)	% Leaders present at training/authorized	% Present at training/authorized	External evaluation	Performance measures	Critical performance measures	Leader performance measures	Evaluator's observed task proficiency rating	Commander's assessment
BDE & Above									
Dynamic and Complex (All OE Variables and Hybrid Threat)	IAW unit CATS statement.	>=75%	>=80%	Yes	>=80% GO		>=85% GO	T	T
Dynamic and Complex (All OE Variables and Single Threat)		60-74%	60-79%		65-79% GO	All	75-84% GO	P	P
Dynamic and Complex (<All OE Variables and Single Threat)			<=59%	<=59%	No	<65% GO	<All	<=74% GO	U
	Night								
	Day								

Remarks: None

Notes: None

Safety Risk: Low

Task Statements

Cue: None

DANGER

Leaders have an inherent responsibility to conduct Risk Management to ensure the safety of all Soldiers and promote mission accomplishment.

WARNING

Risk Management is the Army's primary decision-making process to identify hazards, reduce risk, and prevent both accidental and tactical loss. All Soldiers have the responsibility to learn and understand the risks associated with this task.

CAUTION

Identifying hazards and controlling risks across the full spectrum of Army functions, operations, and activities is the responsibility of all Soldiers.

Performance Steps and Measures

NOTE: Assess task proficiency using the task evaluation criteria matrix.

NOTE: Asterisks (*) indicate leader steps; plus signs (+) indicate critical steps.

GO	NO-GO	N/A
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STEP/MEASURE

1. The staff determines the integrated airspace user requirements.
 - a. Analyze higher headquarters' operations plans and orders for specified Airspace Coordinating Measures (ACM) and fire support coordination measures.
 - b. Identify all airspace users.
 - c. Coordinate volume and length of time that users will require airspace.
 - d. Manage deconflicting of airspace.
 - e. Confirm placement of logistical units does not degrade, delay or disrupt tactical operations.
 - f. Confirm the airspace requirements for each user through coordination during the planning process.
 - g. Verify the consolidation of all user requirements and determines where conflicts exist.
2. The staff develops airspace usage priorities.
 - a. Coordinate with the staff to obtain information on the ground tactical plan and concept of operation.
 - b. Review plans, orders, and special instructions for synchronization of current operations, and future planning.
 - c. Review airspace measures for the Area of Operation (AO).
 - d. Set airspace usage priorities within the AO in accordance with the commander's priorities and Airspace Control Authority (ACA) orders and directives.
 - e. Develop the risk assessment based on:
 - (1) Availability and reliability of voice and data communications.
 - (2) Situational awareness.
 - (3) Density of users.
 - (4) Control authority.
 - (5) Nonorganic airspace users.
 - f. Set up airspace for maximum freedom consistent with the degree of risk acceptable to the commander.
3. The staff coordinates Air Traffic Service (ATS) sensor emplacement and data linking.
 - a. Verify voice and data communications equipment is operational to support the required networks.
 - b. Determine the current and planned sensor and data link architecture.
 - c. Recommend the emplacement of the Air Defense Artillery (ADA) sensors, tactical air control teams, and air information center.
 - d. Monitor the movement of radar assets throughout the phases of the operation to ensure a seamless air picture as assets potentially enter and leave the AO.
 - e. Establish data linkages for chained sensors.
4. The staff determines combat identification authority and procedures for airspace users within the AO.
 - a. Analyze joint airspace documents.
 - b. Extract information from the special instructions.
 - c. Verify displayable, detectable, and distinguishing track data between friendly and enemy air platforms.
 - d. Coordinate with the air and missile defense (AMD) element to obtain high risk avenues of approach, likely target areas, likely threat profiles, and the number and type of potential enemy air platforms.
 - e. Collect and analyze the performance data for each type of enemy and friendly platform.
 - f. Verify all discriminators and create combat identification criteria for the AO and combat identification matrix.
5. The staff develops the rules of engagement and early warning procedures for air defense in the AO.
 - a. Produce air defense rules of engagement.
 - b. Determine engagement criteria for current, planned and future operations.
 - c. Submit all rules of engagement to the airspace control authority through the next higher controlling authority for publication in the special instructions.
 - d. Issue the rules of engagement to unified action partners and subordinate units to confirm situational awareness, compliance, fratricide avoidance, and execution.
 - e. Enforce rules of engagement:
 - (1) Establish liaison with the AMD fire control officer, tactical director or fire controller.
 - (2) Determine violations of restricted airspace.
 - (3) Assign engagement of eligible tracks to air defense fire units.
 - (4) Monitor and report the status of engaged tracks to the next higher control authority.
6. The staff determines reporting requirements and monitoring methods for manual reporting.
 - a. Determine all agencies with non-Identification Friend or Foe (IFF) equipped, non-self-reporting air platforms operating over the unit AO.

- b. Establish a line of communication with all airspace using agencies to coordinate airspace use.
 - c. Establish manual reporting procedures.
 - d. Verify integration of all manually reported tracks into the air common operating picture.
 - e. Issue reporting procedures to all users and include them in the airspace control appendix.
7. The staff integrates airspace within the AO.
- a. Review and submit immediate requests for airspace use from subordinate units to the controlling authority.
 - b. Identify and resolve the situations affecting airspace use for unscheduled events and higher priority missions.
 - c. Issue the following to subordinate airspace nodes:
 - (1) Changes of control.
 - (2) Restriction measures.
 - (3) Weapon control statuses.
 - (4) Rules of engagement.
 - (5) Combat identification criteria affecting airspace users.
 - d. Deconflict airspace for immediate Close Air Support (CAS) requests in coordination with the fire support element and Air Support Operations Center (ASOC), and Air Liaison Officer (ALO).
 - e. Monitor and augment the ATS units providing assistance to aircraft operating in the supported unit AO and those units conducting tactical operations.
 - f. Maintain situational awareness with the ASOC/ALO to enable immediate resolution of conflicts with pre-planned and immediate CAS.
 - g. Maintain current information and disseminate it to the appropriate airspace users and ATS facilities.
8. The staff develops ACM to support planned operations.
- a. Identify the type of ACM.
 - b. Conduct airspace conflict resolution.
 - c. Develop the minimum risk routes.
 - d. Develop restricted operating zones.
 - e. Develop special use airspace.
 - f. Develop a high density airspace control zone.
 - g. Recommend standard use army aircraft flight routes.
 - h. Develop air corridors.
 - i. Develop air control points to provide necessary control during air movement.
 - j. Develop weapons free zones for the protection of key assets or facilities and high value asset defense.
 - k. Facilitate rapid target engagement while simultaneously providing safeguards for friendly forces.
 - l. Coordinate the unit airspace plan with higher headquarters.
 - m. Integrate the approved ACO with locally approved ACM to develop the airspace overlay.
 - n. Establish and maintain all automated airspace systems.
9. The staff develops the airspace appendix to the operations order by:
- a. Constructing the airspace the commander is responsible for to include the vertical limit, left and right limits, and front and rear limits.
 - b. Briefing the degree of airspace control authority vested in the ground commander by the ACA.
10. The staff processes the airspace orders and directives.
- a. Coordinate with the mission command systems support specialists to determine the capabilities available on their specific mission command networks and information systems.
 - b. Issue airspace orders and directives from the ACA.
11. The staff manages the airspace control information displays.
- a. Monitor airspace users.
 - b. Assess intelligence reports.
 - c. Maintain the airspace control overlay, tailored in accordance with unit standard operation procedures.
 - d. Maintain the status of communications with higher/lower elements.
12. The staff determines track Identification (ID) for airspace users.
- a. Monitor the air picture to maintain situational awareness.
 - b. Coordinate with the appropriate air defense commander in accordance with the area air defense plan for action on hostile tracks within the AO.
13. The staff monitors the assigned airspace and airspace users within the assigned AO.
- a. Conduct airspace control utilizing the low-level air picture.
 - b. Confirm a manual reporting system is in place.
 - c. Verify that no tracks violate restricted airspace.
 - d. Monitor tracks in flight to ensure compliance with ACM.
 - e. Confirm the tracks in flight are listed on the Air Tasking Order.
 - f. Verify inclusion of all unit ACM in the ACO.

- g. Issue combat identification of air platforms in the AO as authorized by the ACA.
 - h. Process air platforms for engagement in accordance with the area air defense plan.
 - i. Maintain liaison with higher controlling authority to confirm compliance with higher airspace directives, verify the accurateness of the air picture, resolve conflicts, and minimize the potential for fratricide.
 - j. Confirm ability to reroute airspace users in real-time via voice and digital means.
14. The staff resolves real-time conflicts for airspace users within the AO.
- a. Identify and advise the commander to resolve airspace conflicts.
 - b. Coordinate potential near real-time airspace conflicts.
 - c. Confirm the timely dissemination of information concerning air operations necessary for near real-time control to all affected users.

Task Performance Summary Block										
Training Unit			ITERATION							
_____			1		2		3		4	
Date of Training per Iteration:										
Day or Night Training:			Day / Night		Day / Night		Day / Night		Day / Night	
			#	%	#	%	#	%	#	%
Total Leaders Authorized		% Leaders Present								
Total Soldiers Authorized		% Soldiers Present								
Total Number of Performance Measures		% Performance Measures 'GO'								
Total Number of Critical Performance Measures		% Critical Performance Measures 'GO'								
Live Fire, Total Number of Critical Performance Measures		% Critical Performance Measures 'GO'								
Total Number of Leader Performance Measures		% Leader Performance Measures 'GO'								
MOPP LEVEL										
Evaluated Rating per Iteration T, P, U										

Mission(s) supported: None

MOPP 4: Sometimes

MOPP 4 Statement: None

NVG: Never

NVG Statement: None

Prerequisite Collective Task(s): None

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	71-CORP-5701	Develop the Airspace Control Appendix (Brigade-Corps)	71 - Mission Command (Collective)	Approved
	71-CORP-5702	Determine Integrated Airspace User Requirements (Brigade-Corps)	71 - Mission Command (Collective)	Approved
	71-CORP-5703	Develop Airspace Coordinating Measures to Support Planned Operations (Brigade-Corps)	71 - Mission Command (Collective)	Approved
	71-CORP-5704	Integrate Airspace Within the Area of Operations (Brigade-Corps)	71 - Mission Command (Collective)	Approved
	71-CORP-5705	Determine Combat Identification Authority and Procedures for Airspace Users within Area of Operations (Brigade-Corps)	71 - Mission Command (Collective)	Approved
	71-CORP-5706	Coordinate Air Traffic Service, Sensor Emplacement, and Data Links (Brigade-Corps)	71 - Mission Command (Collective)	Approved
	71-CORP-5708	Resolve Real-Time Conflicts for Airspace Users within the Area of Operations (Brigade-Corps)	71 - Mission Command (Collective)	Approved
	71-CORP-5709	Determine Track Identification for Airspace Users (Brigade-Corps)	71 - Mission Command (Collective)	Approved
	71-CORP-5710	Manage Airspace Control Information Displays (Brigade - Corps)	71 - Mission Command (Collective)	Approved
	71-CORP-5711	Process Airspace Orders and Directives (Brigade - Corps)	71 - Mission Command (Collective)	Approved
	71-CORP-5712	Monitor Assigned Airspace and Airspace Users within Assigned Area of Operation (Brigade - Corps)	71 - Mission Command (Collective)	Approved
	71-CORP-5713	Develop Rules of Engagement and Early Warning Procedures for Air Defense in the Area of Operations (Brigade - Corps)	71 - Mission Command (Collective)	Approved

OPFOR Task(s): None

Supporting Individual Task(s): None

Supporting Drill(s): None

Supported AUTL/UJTL Task(s):

Task ID	Title
ART 5.1.3.1.7	Control a Tactical Insertion of Forces

TADSS

TADSS ID	Title	Product Type	Quantity
No TADSS specified			

Equipment (LIN)

LIN	Nomenclature	Qty
No equipment specified		

Materiel Items (NSN)

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 current Risk Management Doctrine. 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 current CBRN doctrine. .