

Training and Evaluation Outline Report

Task Number: 01-6-0030

Task Title: Conduct BCT Battle Tracking for Aviation Elements

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ADP 3-0	Unified Land Operations	Yes	Yes
	FM 3-04.111	Aviation Brigades (This item is included on EM 0205)	Yes	No
	FM 3-04.155	Army Unmanned Aircraft System Operations	Yes	No
	FM 3-04.203	FUNDAMENTALS OF FLIGHT	Yes	No
	FM 3-04.300	Airfield and Flight Operations Procedures	Yes	No
	TC 1-400	Brigade Aviation Element Handbook	Yes	No
	TC 3-04.81(FM 3-04.303)	Air Traffic Control Facility Operations, Training, Maintenance, and Standardization	Yes	No

Condition: A brigade combat team (BCT) is conducting assigned mission(s) in a simulated-live, virtual, or constructive-combat environment. The Brigade Aviation Element (BAE) is organic to the BCT. The BCT has established communications and digital connectivity via the Army Battle Command System (ABCS), when equipped, with aviation elements, BCT subordinates, adjacent, and higher headquarters. The BAE's mission planning system (Falcon View or equivalent system) is available, operational, contains all enemy, friendly locations and graphic control measures provided by the higher headquarters, and the Common Operational Picture (COP). The aviation unit is preparing to conduct, or is conducting flight operations with associated equipment and personnel. The BCT, BAE, and aviation unit are exchanging information in accordance with (IAW) higher headquarters' and the BCT's standing operating procedures (SOP). Some iterations of this task should be performed in MOPP.

Standard: The BCT conducts battle tracking for aviation elements IAW published directives and regulations, unit's tactical standing operating procedure (TACSOP), and the commander's guidance. The brigade aviation officer (BAO) supervises the BAE's integration into the BCT staff for aviation unit battle-tracking and contingency plan implementation. The unit tracks and resolves airspace and fire support coordination measures and conflicts. The aviation OPCON assets are integrated into the BCT scheme of maneuver and employed IAW the BCT commander's intent. The BAE performs information analysis and management. The BAE makes recommendations, integrates, and synchronizes aviation resources. The BAE informs the BCT and aviation commander and staff as important events are tracked and reported and through battle update briefings.

Special Equipment: None

Safety Level: Low

Task Statements

Cue: n/a

DANGER
n/a

WARNING

n/a

CAUTION

n/a

Remarks: n/a

Notes: This information is available through Combined Arms Training Strategy (CATS) located in ATN and DTMS

TASK STEPS

1. The BAE receives, maintains, and monitors information.
 - a. Receives messages, reports, and orders from higher headquarters and aviation units.
 - b. Monitors tactical situation ("battle tracking").
 - (1) Monitors task organization and command/support relationships.
 - (2) Monitors available friendly and enemy combat power.
 - (3) Monitors the COP for situational awareness.
 - (4) Monitors aviation unit remaining endurance on station.
 - c. Maintains a journal of all significant activities.
 - (1) Uses Daily Staff Journal or Duty Officer's Log, to maintain journal.
 - (2) Maintains copies of all orders (WARNORD/OPORD/FRAGO).
 - (3) Maintains copies of all messages received and sent.
 - (4) Maintains list of all CP sensitive items.
 - (5) Maintains CP briefing format.
 - d. Monitors reports and the commander's critical information requirements (CCIR).
 - (1) Ensures familiarity of all aviation and UAS personnel with BCT CCIR and information reporting requirements.
 - (2) Monitors reports of any CCIR answers or other information requirements.
 - e. Maintains status of critical classes of supplies to include class IX (air) and maintenance.
 - (1) Maintains supporting unit forward arming and refueling point status and rotation time projections.
 - (2) Maintains status of Class III, and Class V (or as directed).
 - (3) Maintains status of supporting unit aviation maintenance.
 - f. Tracks friendly and enemy battle damage assessment in conjunction with the intelligence staff officer (S-2) and sustainment staff officer (S-4).
 - g. Tracks the battle using the execution matrix, COP, and Blue Force Tracker.
 - (1) Alerts the commander, operations staff officer (S-3), or executive officer (XO) of any aviation deviations from timelines, locations, or support.
 - (2) Adds aviation-related threats to the COP as they are reported or located by external intelligence, surveillance, and reconnaissance (ISR) assets.

2. BAE distributes information (information management).

- a. Submits reports to higher headquarters.
- b. Serves as communications relay between units.
- c. Disseminates orders and instructions.
- d. Processes and distributes information to appropriate units or staff sections.
- e. Passes critical information to appropriate commanders and staff sections.

3. BAE analyzes information.

- a. Conducts analysis of aviation-related support.

(1) Analyzes mission variables to include mission, enemy, terrain and weather, troops and support available, time available, and civil considerations (METT-TC).

(2) Analyzes operational variables to include political, military, economic, social, information, infrastructure, physical environment, and time.

(3) Participates in the BCT military decision-making process (MDMP).

- b. Conducts predictive analysis based on the missions and tactical situation.
- c. Consolidates reports and intelligence related to aviation missions.
- d. Identifies information that relates to CCIR.
- e. Anticipates events and required minor adjustments.
- f. Identifies the need to execute contingency plans (CONPLAN) based on the evolving current situation.

4. BAE identifies the need to adjust airspace coordination measures, fire support coordination measures, or graphic control measures and timelines based on tracked current operations or CONPLAN requirements.

5. BAO makes recommendations to the BCT and aviation unit commander and staff based on analysis conducted and available information.

6. BAO coordinates integration of aviation and UAS resources with BCT warfighting functions.

a. Coordinates integration of aviation and UAS with BCT warfighting functions based on battle tracked current operations proceeding along planned timelines.

b. Coordinates integration of aviation and UAS with BCT warfighting functions based on CONPLAN adjustments.

7. BAE coordinates synchronization of aviation and UAS resources with BCT- implemented or aviation CONPLANS (such as dynamic re-tasking).

a. Coordinates adjustments of aviation and UAS execution to synchronize with implemented CONPLANS.

b. Synchronizes revised battle tracking activities of the BCT and supporting aviation unit CPs based on CONPLANS.

8. BAE conducts daily battle update briefings (BUB).

- a. Ensures that all staff conducts internal changeover briefs prior to BUB.
- b. Ensures that all staff sections receive the BUB.

(1) Briefs S-2 on recent, current, and future enemy activities and reconnaissance objectives observed by aviation and UAS, and CCIR answered or adjusted.

(2) Briefs fire support officer (FSO) on high pay-off targets, target acquisition, and battle damage assessment support provided and required by aviation and UAS units, and fire support coordination measures potentially influencing aviation/UAS missions.

(3) Briefs air defense (AD) officer on priorities, enemy air status and air avenues of approach, and airspace coordination measures in effect.

(4) Briefs engineer officer on air VOLCANO assets, UAS-detected mines and improvised explosive devices, status of all known obstacles to include safety zones and self-destruct times for scatterable systems, and status of the survivability effort.

(5) Briefs assistant S-3 on current supporting aviation/UAS tactical situation and combat power, locations of aviation units and trains, significant aviation activities in the past 12 hours and anticipated in the next 12 hours, communications status, unresolved supply and personnel issues, status of orders process, and any displacement instructions.

(6) XO/Deputy Commander briefs the correct time for synchronization.

- c. Monitors higher Battlefield Update Briefings when possible.

* 9. BAO performs, or delegates performance of the steps in the composite risk management (CRM) process for each step in troop-leading procedures.

(Asterisks indicates a leader performance step.)

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. The BAE received, maintained, and monitored information.			
2. BAE distributed information (information management).			
3. BAE conducted analysis of aviation-related information.			
4. BAE identified the need to adjust airspace coordination measures, fire support coordination measures, or graphic control measures and timelines based on tracked current operations or CONPLAN requirements.			
5. BAO made recommendations to the BCT and aviation unit commander and staff based on analysis conducted and available information.			
6. BAO coordinated integration of aviation and UAS resources with BCT warfighting functions.			
7. BAE coordinated synchronization of aviation and UAS resources with BCT-implemented or aviation CONPLANS			
8. BAE conducted daily battle update briefings.			
9. BAO performed, or delegated performance of the steps in the composite risk management (CRM) process for each step in troop-leading procedures.			

TASK PERFORMANCE / EVALUATION SUMMARY BLOCK							
ITERATION	1	2	3	4	5	M	TOTAL
TOTAL PERFORMANCE MEASURES EVALUATED							
TOTAL PERFORMANCE MEASURES GO							
TRAINING STATUS GO/NO-GO							

ITERATION: 1 2 3 4 5 M

COMMANDER/LEADER ASSESSMENT: T P U

Mission(s) supported: None

MOPP: Sometimes

MOPP Statement: Increase in MOPP level may increase time required to complete the task.

NVG: Never

NVG Statement: n/a

Prerequisite Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	01-6-0027	Participate in Planning BCT Air Defense	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-6-0028	Coordinate Airspace Command and Control for Higher Commander	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-6-0306	Coordinate Army Aviation Support	01 - Aviation/Aviation Logistics (Collective)	Approved

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	01-6-0029	Maintain the BCT Current Situation for Aviation	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-6-0413	Coordinate Aviation Support of BCT Exploitation and Pursuit	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-6-0415	Conduct Aviation Missions as part of a Mobile Defense	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-6-0416	Conduct Aviation Missions as part of an Area Defense	01 - Aviation/Aviation Logistics (Collective)	Approved

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	011-600-0381	Direct Unmanned Aircraft System (UAS), Mission Planning	011 - Aviation (Individual)	Approved
	011-600-0383	Assist in Airspace Coordination for an Unmanned Aircraft System (UAS), Mission	011 - Aviation (Individual)	Approved
	011-600-0384	Direct Unmanned Aircraft System (UAS), Mission Operations	011 - Aviation (Individual)	Approved
	011-600-0493	Coordinate With Higher / Adjacent Headquarters	011 - Aviation (Individual)	Approved
	011-600-0493	Coordinate With Higher/Adjacent Headquarters	011 - Aviation (Individual)	Reviewed
	052-192-1272	Conduct a Person Search	052 - Engineer (Individual)	Approved
	052-192-3261	React to an Improvised Explosive Device (IED) Attack (UNCLASSIFIED / FOR OFFICIAL USE ONLY) (U//FOUO)	052 - Engineer (Individual)	Approved
	052-192-3262	Prepare for an Improvised Explosive Device (IED) Threat Prior to Movement (UNCLASSIFIED / FOR OFFICIAL USE ONLY) (U//FOUO)	052 - Engineer (Individual)	Superseded
	052-703-9107	Plan for an Improvised Explosive Device (IED) Threat in a COIN Environment (UNCLASSIFIED / FOR OFFICIAL USE ONLY) (U//FOUO)	052 - Engineer (Individual)	Approved
	052-703-9113	Plan for the Integration of C-IED Assets in a COIN Environment	052 - Engineer (Individual)	Approved
	052-703-9114	Respond to an IED at the Company Level	052 - Engineer (Individual)	Approved
	091-751-3400	Determine Vehicle Recovery Requirements	151 - Combined Arms Support (Individual)	Approved
	150-718-2300	Perform Information Collection	150 - Combined Arms (Individual)	Approved
	150-718-5315	Establish the Common Operational Picture	150 - Combined Arms (Individual)	Approved
	301-192-6001	Apply Predictive Analysis to Support Counter Improvised Explosive Device Operations	301 - Intelligence (Individual)	Approved
	301-192-6001	Apply Predictive Analysis to Support Counter Improvised Explosive Device Operations	301 - Intelligence (Individual)	Analysis
	301-192-6002	Apply Pattern Analysis Products to Support Counter Improvised Explosive Device Operations	301 - Intelligence (Individual)	Approved
	301-192-6002	Apply Pattern Analysis Products to Support Counter Improvised Explosive Device Operations	301 - Intelligence (Individual)	Analysis
	301-192-6003	Conduct Information Collection in Support of Counter Improvised Explosive Device Operations	301 - Intelligence (Individual)	Analysis
	301-192-6003	Prepare Request for Intelligence, Surveillance, and Reconnaissance in Support of Counter Improvised Explosive Device Operations	301 - Intelligence (Individual)	Approved
	301-230-6001	Integrate CREW Systems	301 - Intelligence (Individual)	Approved
	301-230-6002	Manage CREW Systems	301 - Intelligence (Individual)	Approved
	551-751-3402	Plan Mounted/Dismounted Movement of Personnel and Equipment	551 - Transportation (Individual)	Superseded

Supporting Drill Task(s): None

TADSS

Step ID	TADSS ID	Title	Product Type	Quantity
No TADSS specified				

Equipment (LIN)

Step ID	LIN	Nomenclature	Qty
No equipment specified			

Materiel Items (NSN)

Step ID	NSN	LIN	Title	Qty
No equipment specified				

Environment: 1. 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 FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT

2. All aerial defensive and offensive tactical operations require an area in which to maneuver. Most training areas have environmental restrictions that a unit must follow during tactical operations. The flight-route parameters resulting from environmental and noise complaint restrictions are unique to aviation. These restrictions must be considered when planning training aviation missions and during mission briefs.

3. Aviation units use large amounts of hazardous materials during routine maintenance. Commanders will be held responsible for the proper disposal of hazardous materials (HAZMAT). The operation of FARPs is especially challenging because of the potential for major environmental catastrophes. The SOPs specify the proper disposal of HAZMAT (such as oils and lubricants, used drip pans, and grease and oil washed off vehicles).

4. All gunnery ranges have environmental SOPs which aviation units need to comply with. These restrictions include normal environmental guidance. They also include specific instructions for the disposal of casings and ammunition boxes and maneuvering weapon systems.

Note. Each U.S. installation is subject to local and state environmental regulations as well as to federal legislation. For information pertaining to a specific location, contact the installation environmental office. When overseas or on deployment, contact operations and plans, and training staff officer (S3) or the assistant chief of staff, operations (G3).

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET 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, NBC Protection, FM 3-11.5, CBRN Decontamination. 1. In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET 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, NBC Protection, FM 3-11.5, CBRN Decontamination.

2. Composite risk management identifies operational risks so hazards can be reduced or eliminated. Composite risk management allows units to operate in high-risk environments. Leaders at every level are responsible for identifying hazards, taking measures to reduce or eliminate hazards, and accepting risk only to the point that the benefits outweigh the potential losses. The Army's doctrinal manuals articulate the risk-management process as the principal risk-reduction tool. Composite risk management is not an add-on feature to the decision-making process but, rather, a fully integrated element of planning and executing operations. The goal is to make composite risk management a routine part of planning and executing operational and training missions.

3. Composite risk management is a continuous process for each assigned mission or training event. It must be integral to military decisions tied into each training plan and become a continuous part of preparation for training. Safety demands total chain of command involvement in planning, preparing, executing, and evaluating training.