

Training and Evaluation Outline Report

Task Number: 01-4-7541

Task Title: Manage the Implementation of Terminal Control Assets

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AR 95-1	FLIGHT REGULATIONS	Yes	No
	AR 95-10	DEPARTMENT OF DEFENSE NOTICE TO AIRMEN (NOTAM) SYSTEM	Yes	No
	AR 95-11	MILITARY FLIGHT DATA TELECOMMUNICATIONS SYSTEM	Yes	No
	AR 95-2	AIRSPACE, AIRFIELDS/HELIPORTS, FLIGHT ACTIVITIES, AIR TRAFFIC	Yes	No
	AR 95-27	OPERATIONAL PROCEDURES FOR AIRCRAFT CARRYING HAZARDOUS MATERIALS	Yes	No
	FM 3-04.120	Air Traffic Services Operations	Yes	Yes

Condition: The higher headquarters is in a simulated (live, virtual, or constructive) combat environment. The main command post (CP) and the tactical internet are operational and the staff sections are functioning. All soldiers and equipment are available. The control tower team and the GCA facility deploys to an airfield landing site. Coordination with the tower control and ground controlled approach facility is complete. The unit receives an Operations Order/ Fragmentary Order (OPORD/FRAGO) from higher headquarters and the commander's guidance. Some iterations of this task should be performed in MOPP.

Standard: The implementation of terminal control assets are accomplished according to the appropriate Air Traffic Control(ATC) rules and regulations and the commander's guidance.

Special Equipment: None

Safety Level: Low

Task Statements

Cue: None

DANGER
none

WARNING
none

CAUTION

None

Remarks: I task steps and performance measures, prerequisite and supporting collective tasks, supporting individual tasks and supporting reference numbers were reviewed/updated on 31 January 2013.

Notes: None

TASK STEPS

1. The platoon headquarters chief manages the implementation of terminal control assets to include:
 - a. The control tower team manages the installation of the AN/TSQ-70A or AN/TSW-7A and the AN/TRN-30 [v] as well as control tower operations.
 - b. The Ground Controlled Approach (GCA) Team manages the installation of the landing control central AN/TSQ-71 series, the conduct of ground controlled approach radar operations, and the implementation of fratricide prevention measures.
2. The platoon headquarters chief manages the implementation of terminal assets in accordance with appropriate rules and regulations to include:
 - a. The planning, coordinating, and supervision of the implementation of all terminal control assets.
 - b. Supervision of the implementation of a tower facility.
 - c. Supervision of the implementation of a ground control approach facility.
 - d. Ensuring appropriate personnel are on hand for the duration of implementation of assets.
 - e. Ensuring the ability to mobilize to install remotely located equipment, such as non-directional beacon sets.
3. The Terminal control platoon provides information to air traffic control.
 - a. Provides air traffic control (ATC) with an aircraft control tower capability.
 - b. Provides tower services and terminal navigation aids to sequence arriving and departing aircraft.
 - c. Provides ground controlled approach (GCA) capability.
 - d. Provides GCA services including precision and non-precision radar approaches.
 - e. Provides identification friend or foe/ selective identification feature (IFF/SIF).
 - f. Provides radar monitoring.
- * 4. Commander/Leader performs, or delegates performance of the steps in the composite risk management process for each step in troop leading procedures.

Step Number	Task Number	Title	Proponent	Status
	01-4-7521	Install The AN/TRN-30 (V) 2	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7523	Install the AN/TPN-31 (ATNAVICS)	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7524	Install The AN/TSQ-70A Or AN/TSW-7A	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7525	Install The Tactical Airspace Integration System (TAIS) AN/TSQ-221	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7526	Operate The Electronic Shop Shelter Mounted Avionics AN/ASM-146 and AN/ASM-147	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7527	Conduct Communications-Electronics (COM/NAV) Maintenance	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7532	Conduct Tower Missions	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7533	Conduct Tactical Airspace Integration Systems-Airspace Information Center (TAIS-AIC) Functions	01 - Aviation/Aviation Logistics (Collective)	Approved

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	011-143-0002	Prepare the Landing Control Central, AN/TSQ-71B, for Movement	011 - Aviation (Individual)	Analysis
	011-143-0006	Prepare the Air Traffic Control Central, AN/TSW-7A, for Movement	011 - Aviation (Individual)	Approved
	011-143-0015	Control Aircraft, Vehicles, and Personnel by ATC Light Gun Signals	011 - Aviation (Individual)	Approved
	011-143-0017	Control the Flight of SVFR Arrival/Departure Aircraft	011 - Aviation (Individual)	Approved
	011-143-0023	Issue Airport Condition Information	011 - Aviation (Individual)	Approved
	011-143-0032	Prepare the Air Traffic Navigation, Integration, and Coordination System (ATNAVICS), AN/TPN 31 for Movement	011 - Aviation (Individual)	Approved
	011-143-0033	Prepare the Tactical Airspace Integration System (TAIS), AN/TSQ-221, for Movement	011 - Aviation (Individual)	Approved
	011-143-0034	Install the Air Traffic Navigation, Integration, and Coordination System (ATNAVICS), AN/TPN-31	011 - Aviation (Individual)	Approved
	011-143-0035	Install the Tactical Airspace Integration System (TAIS), AN/TSQ-221	011 - Aviation (Individual)	Approved
	011-143-0037	Operate the Tactical Airspace Integration System (TAIS), AN/TSQ-221	011 - Aviation (Individual)	Approved
	011-143-0068	Install Non-Directional Radio Beacon Set	011 - Aviation (Individual)	Approved
	011-143-0069	Operate Non-Directional Radio Beacon Set	011 - Aviation (Individual)	Approved
	011-143-0070	Prepare Non-Directional Radio Beacon Set For Movement	011 - Aviation (Individual)	Approved
	011-143-0071	Install the Mobile Tower System (MOTS): AN/MSQ-135	011 - Aviation (Individual)	Analysis
	011-143-0072	Operate the Mobile Tower System (MOTS): AN/MSQ-135	011 - Aviation (Individual)	Analysis
	011-143-0100	Transfer Radar Identification	011 - Aviation (Individual)	Approved
	011-143-1061	Install the Air Traffic Control Central, AN/TSW-7A	011 - Aviation (Individual)	Approved
	011-143-1062	Prepare the AN/TSQ-198A Tactical Terminal Control System (TTCS) for Movement	011 - Aviation (Individual)	Approved
	011-143-1063	Install the AN/TSQ-198A Tactical Terminal Control System (TTCS)	011 - Aviation (Individual)	Approved
	011-143-3020	Perform the Responsibilities of a Facility Chief During or After an Aircraft Accident or Incident at an Airfield	011 - Aviation (Individual)	Analysis
	011-143-3022	Manage Controller Training for Fixed Operations or Tactical Operations	011 - Aviation (Individual)	Analysis
	052-192-1271	Identify Visual Indicators of an Improvised Explosive Device (IED) (UNCLASSIFIED//FOR OFFICIAL USE ONLY (U//FOUO))	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
	052-703-9113	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
	150-718-2300	Perform Information Collection	150 - Combined Arms (Individual)	Approved
	150-718-5315	Establish the Common Operational Picture	150 - Combined Arms (Individual)	Approved
	171-300-0083	Enforce Rules of Engagement (ROE)	171 - Armor (Individual)	Approved
	301-192-6001	Apply Predictive Analysis to Support Counter Improvised Explosive Device Operations	301 - Intelligence (Individual)	Approved

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	301-192-6002	Apply Pattern Analysis Products to Support Counter Improvised Explosive Device Operations	301 - Intelligence (Individual)	Approved
	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

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.