Training and Evaluation Outline Report

Task Number: 01-4-7531

Task Title: Conduct Ground Controlled Approach Radar Functions

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 USAACE 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
	AR 95-2	AIRSPACE, AIRFIELDS/HELIPORTS, FLIGHT ACTIVITIES, AIR TRAFFIC (RAR 001, 16 Oct 2008)	Yes	No
	FAAO 7110.65	Air Traffic Control(Use Current Version)	Yes	No
	FM 3-04.120	Air Traffic Services Operations	Yes	Yes
	TC 3-04.81(FM 3-04.303)	Air Traffic Control Facility Operations, Training, Maintenance, and Standardization	Yes	No
	TM 11-5840-381-23	FIELD MAINTENANCE MANUAL FOR AIR TRAFFIC NAVIGATION, INTEGRATION, AND COORDINATION SYSTEM (ATNAVICS) AN/TPN-31(NSN 5840-01-597-1452) (EIC GRX)(NSN 5840-01-597-1445) (EIC GRY) (NSN 5840-01-597-1437)	Yes	No
	TM 95-225	UNITED STATES STANDARD: FLIGHT INSPECTION {NAVAIR 16-1-520;AFM 55-8;FAA OA-P8200.1} (S&I, U.S. ARMY AERONAUTICAL SERVICES AGENCY, FT BELVOIR, VA)	Yes	No
	TM 95-226	UNITED STATES STANDARD FOR TERMINAL INSTRUMENT PROCEDURES (TERPS) {OPNAVINST 3722.16C;AFM 55-9;CG 318;FAA HDBK 8260.3B} (S&I, U.S. ARMY AERONAUTICAL SERVICES AGENCY, FT BELVOIR, VA) (REPRINTED W/BASIC	Yes	No

Condition: The battalion is in a simulated (live, virtual, or constructive) combat environment. The main command post (CP) and the staff sections are functioning. The Ground Controlled Approach (GCA) team receives an Operations Order/ Fragmentary Order (OPORD/FRAGO) and the commander's guidance. The Air Traffic Service unit coordinates with supported units and forwards required airspace management data to the appropriate units. The landing control central (AN/TSQ-71 Series) successfully performs flight check prior to controlling Instrument Flight Rules (IFR) traffic. Some iterations of this task should be performed in MOPP 4.

Standard: The unit integrates digital systems as appropriate. The GCA team conducts GCA operations according to mission requirements and applicable references.

Safety Risk: Low

Task Statements

Cue: None

DANGER

none

WARNING

none

CAUTION

None

Remarks: lThe task steps and performance measures, prerequisite and supportingcollective tasks, supporting individual tasks and supporting reference numbers were reviewed/updated on 10 May 2013.

Notes: None

TASK STEPS

* 1. The Ground Controlled Approach (GCA) team leader briefs the GCA team on information pertinent to the current operation.

2. The GCA team provides terminal radar services.

a. Performs equipment checks/alignments.

b. Maintains the following:

(1) DA Form 3501 (Radar Operations Log).

(2) DA Form 3502 (Daily Report of Air Traffic Control Facility).

(3) DA Form 3503 (Air Traffic Control Position Log).

c. Recognizes electronic attack

d. Implements electronic protection.

e. Performs radar identification procedures.

f. Coordinates with tower for arrival/departure information.

g. Conducts arrival/departure/radar flight following services with aircraft, in coordination with the Tactical Airspace Information System (TAIS), according to mission requirements.

h. Provides traffic information and advisories.

i. Provides emergency assistance, as required.

j. Performs radar watch functions as part of the intelligence gathering network.

k. Receives and issues weather reports and updates.

l. Manages pilot reports.

m. Transmits airport condition information.

* 3. Commander/Leader performs, or delegates performance of the steps in the composite risk management process for each step in troop leading procedures.

(Asterisks indicates a leader performance step.)

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. The Ground Controlled Approach (GCA) team leader briefed the GCA team on information pertinent to the current operation.			
2. The GCA team provided terminal radar services.			
3. Commander/Leader performed, or delegated performance of the steps in the composite risk management 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 4: Sometimes

MOPP 4 Statement: None

NVG: Never

NVG Statement: None

Prerequisite Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	01-4-7523	Install the AN/TPN-31 (ATNAVICS)	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7532	Conduct Tower Missions	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7539	Coordinate Aircraft Services	01 - Aviation/Aviation Logistics (Collective)	Approved

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	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
	01-4-7537	Provide Airspace Information Center (AIC) Services	01 - Aviation/Aviation Logistics (Collective)	Approved

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	011-143-0036	Operate The Air Traffic Navigation, Integration, And Coordination System (ATNAVICS), AN/TPN-31	011 - Aviation (Individual)	Approved
	011-143-0100	Transfer Radar Identification	011 - Aviation (Individual)	Approved
	011-143-1038	Provide Radar Approach Information	011 - Aviation (Individual)	Approved
	011-143-1044	Identify Aircraft Using Radar Procedures	011 - Aviation (Individual)	Approved
	011-143-1045	Provide Radar Separation	011 - Aviation (Individual)	Approved
	011-143-1046	Operate Theodolite	011 - Aviation (Individual)	Approved
	011-143-3004	Perform the Responsibilities of the Facility Chief During or After an Aircraft Accident or Incident	011 - Aviation (Individual)	Approved
	011-15Q-0024	Perform Assumption of Duty Requirements	011 - Aviation (Individual)	Approved
	011-15Q-2003	Assign Controllers to Operating Positions	011 - Aviation (Individual)	Approved
	011-15Q-2006	Manage Shift During or After an Aircraft Accident or Incident	011 - Aviation (Individual)	Approved
	011-15Q-2009	Collect Terminal Approach Procedures Data	011 - Aviation (Individual)	Approved
	011-15Q-3005	Determine the Requirements for an Individual's Facility Rating	011 - Aviation (Individual)	Approved
	011-15Q-3006	Develop an Air Traffic Control Letter of Agreement (LOA)	011 - Aviation (Individual)	Approved
	011-15Q-3022	Manage Controller Training Program	011 - Aviation (Individual)	Approved
	011-15Q-3024	Prepare Minimum Vectoring Altitude Chart (MVAC)	011 - Aviation (Individual)	Approved
	011-15Q-4008	Evaluate a Minimum Vectoring Altitude Chart (MVAC)	011 - Aviation (Individual)	Approved
	011-15Q-4010	Control the Arrival/Departure of Aircraft by Radar	011 - Aviation (Individual)	Approved
	011-415-3102	Supervise the Preparation for Movement of Tactical Equipment	011 - Aviation (Individual)	Approved
	011-415-3105	Supervise Controller Training	011 - Aviation (Individual)	Approved
	011-415-3107	Supervise Implementation of Airspace Control Measures (ACMs)	011 - Aviation (Individual)	Approved
	011-415-3109	Supervise Facility Training Program (FTP) Development	011 - Aviation (Individual)	Approved
	011-415-3118	Conduct Air Traffic Services (ATS) Standardization	011 - Aviation (Individual)	Approved
	011-415-3120	Determine Facility and Personnel Requirements for Sustainment Operations	011 - Aviation (Individual)	Approved
	011-415-3122	Conduct Staff Assistance Visits (SAVs)	011 - Aviation (Individual)	Approved
	011-415-3123	Conduct Staff Inspections	011 - Aviation (Individual)	Approved
	011-415-3125	Recommend Revisions to Airspace Control Procedures	011 - Aviation (Individual)	Approved
	011-415-3127	Provide Air Traffic Control (ATC) Technical Assistance to Host Nation Air Traffic and Airspace Agencies	011 - Aviation (Individual)	Approved
	011-415-3128	Supervise Host Nation Air Traffic and Airspace Restorative Operations	011 - Aviation (Individual)	Approved
	052-703-9113	Plan for the Integration of Counter-Improvised Explosive Device (C-IED) Assets (UNCLASSIFIED//FOR OFFICIAL USE ONLY) (U//FOUO)	052 - Engineer (Individual)	Approved

	052-703-9114	Respond to an Improvised Explosive Device (IED) at the Company Level (UNCLASSIFIED//FOR OFFICIAL USE ONLY (U//FOUO)	052 - Engineer (Individual)	Approved
	052-COM-1271	Identify Visual Indicators of an Improvised Explosive Device (IED) (UNCLASSIFIED//FOR OFFICIAL USE ONLY (U//FOUO)	052 - Engineer (Individual)	Approved
	150-COM-6001	Integrate CREW Systems	150 - Combined Arms (Individual)	Approved
	150-COM-6002	Manage CREW Systems	150 - Combined Arms (Individual)	Approved
	150-MC-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
	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)	Approved

Supporting Drill Task(s): None

Supported AUTL/UJTL Task(s):

Task ID	Title
ART 1.6.2.3	Conduct Airfield Management

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