

**Report Date:** 04 Feb 2013

**Summary Report for Individual Task  
011-143-0015  
Control Aircraft, Vehicles, and Personnel by ATC Light Gun Signals  
Status: Approved**

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DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

**Condition:** As an Air Traffic Controller assigned to an ATC Tower, given a situation which requires control instructions to be given using an approved light gun signaling device and access to FAAO Aeronautical Information Manual (AIM) and other facility publications/documents as required. Some iterations of this task should be performed in MOPP.

**Standard:** Control aircraft, vehicles and personnel using light gun signals, in the air and on the airport surface, which are appropriate for each control situation, without error, IAWFAAO Aeronautical Information Manual (AIM) and Facility Training manual (FTM).

**Special Condition:** None

**Special Standards:** None

**Special Equipment:**

**Safety Level:** Medium

**MOPP:** Sometimes

**Task Statements**

**Cue:** You are working in the tower when you lose radio communications with an aircraft. You need to communicate with the aircraft using ATC light gun signals.

**DANGER**

None

**WARNING**

None

**CAUTION**

None

**Remarks:** None

**Notes:** None

### Performance Steps

1. Employ light gun signals to Control aircraft in the air using the appropriate signal when radio communications cannot be employed IAW FAAO Jo 7110.65, Chapter (Ch) 3, Section (Sec) 2.
2. Employ light gun signals to control aircraft on the ground using the appropriate signal when radio communications cannot be employed.
3. Employ light gun signals to control vehicles and personnel in the movement area using the appropriate signal when radio communications cannot be employed.
4. Employ a general warning signal IAW FAAO JO 7110.65 Ch, 3, Sec 2.
5. Obtain acknowledgement from an aircraft equipped with receiver only IAW FAAO JO 7110.65, Ch 3, Sec 2.

(Asterisks indicates a leader performance step.)

**Evaluation Preparation:** SETUP: Require the Soldier to determine and direct the correct light gun signal to aircraft, vehicles, and personnel when radio communications cannot be used. This requirement may be simulated. Provide the Soldier with an operational light gun. Require him to direct a light gun signal toward the supervisor after he describes a situation requiring a light signal.

BRIEF SOLDIER: Inform the Soldier they will be evaluated on controlling aircraft, vehicles, and personnel using light gun signals, and without causing injury to personnel or damage to equipment. The soldier will not be informed of his/her progress during performance of the task.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Employed light guns signal to control aircraft in the air When radio communications could not be employed.			
2. Employed light gun signal to control aircraft on the the ground.			
3. Employed light gun signal to control vehicles and personnel in the movement area using the appropriate signal when radio communications could not be employed.			
4. Employed a general warning signal.			
5. Obtained acknowledgement from an aircraft equipped with receiver only.			

### Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	FAA GUIDE	Aeronautical Information Manual - Official Guide to Basic Flight Information and ATC Procedures	No	No
	FAAO JO 7110.65	Air Traffic Control (Use Current Version)	Yes	No

**Environment:** It is the responsibility of all Soldiers and DA civilians to protect the environment, and to participate in the Army's Environmental Management System (EMS) at the installation where they are assigned. The key points of an EMS are:

- a. We are committed to the prevention of pollution.
- b. We are committed to meeting all applicable legal and regulatory requirements.
- c. We will strive for continual improvement in environmental management.

A sustainable installation will use resources wisely to support the current mission, without compromising the ability to accomplish future missions.

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 and reduce waste 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.

**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. Everyone is responsible for safety. A thorough risk assessment must be completed prior to every mission or operation. 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).

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :**

Task Number	Title	Proponent	Status
011-143-0022	Provide Emergency Assistance	011 - Aviation (Individual)	Approved
011-143-5060	Control Aircraft Taxi	011 - Aviation (Individual)	Approved

**Supported Individual Tasks :**

Task Number	Title	Proponent	Status
011-15Q-1064	Operate the AN/TSQ-198A Tactical Terminal Control System (TTCS)	011 - Aviation (Individual)	Analysis
011-143-0017	Control the Flight of SVFR Arrival/Departure Aircraft	011 - Aviation (Individual)	Approved
011-143-1064	Operate the AN/TSQ-198A Tactical Terminal Control System (TTCS)	011 - Aviation (Individual)	Approved
011-15Q-0017	Control the Flight of SVFR Arrival/Departure Aircraft	011 - Aviation (Individual)	Analysis
011-143-5004	Operate the Air Traffic Control Central, AN/TSW-7A	011 - Aviation (Individual)	Analysis Completed

**Supported Collective Tasks :**

Task Number	Title	Proponent	Status
01-4-7541	Manage the Implementation of Terminal Control Assets	01 - Aviation/Aviation Logistics (Collective)	Approved
01-4-7556	Control Vehicle Access to Airfield with Associated Ramps	01 - Aviation/Aviation Logistics (Collective)	Approved
01-4-7532	Conduct Tower Missions	01 - Aviation/Aviation Logistics (Collective)	Approved
01-4-7538	Conduct Airfield Inspections and Policing	01 - Aviation/Aviation Logistics (Collective)	Approved

**ICTL Data :**

ICTL Title	Personnel Type	MOS Data
AIR TRAFFIC CONTROL OPERATOR	Enlisted	MOS: 15Q, Skill Level: SL1
15Q AIR TRAFFIC CONTROL ICTL (Consolidated)	Enlisted	MOS: 15Q
15Q10 Air Traffic Control ICTL	Enlisted	MOS: 15Q, Skill Level: SL1, LIC: EN