

Summary Report for Individual Task  
011-15Q-3026  
Integrate Unmanned Aircraft System (UAS) Operation  
Status: Approved

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**Distribution Restriction:** Approved for public release; distribution is unlimited.

**Destruction Notice:** None

**Foreign Disclosure: FD5** - This product/publication has been reviewed by the product developers in coordination with the USAACE/Fort Rucker foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

**Condition:** In an air traffic services facility, or an Air Defense and Airspace Management (ADAM) cell, while assigned as the facility chief or NCOIC and given TC 3-04.81 and FM 3-52, you have a requirement to integrate UAS operations. Some iterations of this task should be performed in MOPP 4.

**Standard:** Integrate UAS operations while ensuring the safe, orderly, and expeditious flow of airspace users and meeting the requirements of TC 3-04.81 Ch. 6.

**Special Condition:** None

**Safety Risk:** Low

**MOPP 4:** Sometimes

<b>Task Statements</b>
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**Cue:** You are assigned as a facility chief or an ADAM cell NCOIC and have identified a need to integrate UAS operations.

**DANGER**

None

**WARNING**

None

**CAUTION**

None

**Remarks:** None

**Notes:** None

### Performance Steps

1. Implement basic techniques for deconflicting UAS operations.
  - a. Apply altitude separation when appropriate.
  - b. Apply geographical separation, such as keeping the UAS to one side of a feature such as a road or a river.
  - c. Apply time separation as applicable.
  - d. Coordinate a restricted operating zone (ROZ) when necessary.
2. Review the daily ATO, ACO, and SPINS for information concerning UAS missions, changes in launch/recovery site locations, UAS altitudes, operating areas, identification friend or foe (IFF) squawks, and check-in frequencies.
3. Monitor current UAS airspace requirements to anticipate future requirements based on the emerging tactical situation.
4. Develop a comprehensive letter of agreement (LOA) between the UAS operators, airfield management, and affected ATC facilities.
5. Ensure air traffic control separation and phraseology are implemented IAW TC 3-04.81 Ch. 6, Para. 28 when controlling UAS in a terminal area.
6. Ensure air traffic control procedures for controlling UAS are implemented IAW TC 3-04.81 Ch. 6, Para. 29.
7. Implement lost link, lost communication procedures.

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** Score the Soldier GO if all performance measures are passed (P). Score the Soldier NO GO if any performance measure is failed (F). If the Soldier scores NO GO, show the Soldier what was done wrong and how to do it correctly.

**Evaluation Preparation:** Setup: Test this task in conjunction with other air traffic control facility or airspace control related tasks. Brief Soldier: Tell the Soldier to integrate UAS operations.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Implemented basic techniques for deconflicting UAS operations.			
2. Reviewed the daily ATO, ACO, and SPINS for information concerning UAS missions, changes in launch/recovery site locations, UAS altitudes, operating areas, identification friend or foe (IFF) squawks, and check-in frequencies.			
3. Monitored current UAS airspace requirements to anticipate future requirements based on the emerging tactical situation.			
4. Developed a comprehensive letter of agreement (LOA) between the UAS operators, airfield management, and affected ATC facilities.			
5. Ensured air traffic control separation and phraseology were implemented IAW TC 3-04.81 Ch. 6, Para. 28 when controlling UAS in a terminal area.			
6. Ensured air traffic control procedures for controlling UAS were implemented IAW TC 3-04.81 Ch. 6, Para. 29.			
7. Implemented lost link, lost communication procedures.			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	FM 3-52	AIRSPACE CONTROL	Yes	Yes
	TC 3-04.81(FM 3-04.303)	Air Traffic Control Facility Operations, Training, Maintenance, and Standardization	Yes	Yes

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

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :** None

**Supported Individual Tasks :** None

**Supported Collective Tasks :** None