

Training and Evaluation Outline Report

Task Number: 01-4-7533

Task Title: Conduct Tactical Airspace Integration Systems-Airspace Information Center (TAIS-AIC) Functions

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AR 95-2	AIRSPACE, AIRFIELDS/HELIPORTS, FLIGHT ACTIVITIES, AIR TRAFFIC	Yes	No
	FM 3-52	AIRSPACE CONTROL	Yes	No
	TM 11-5895-1668-20	Technical Manual/Unit Maintenance Manual for Command System, Tactical (Tactical Airspace Integration System) (TAIS) AN/TSQ-221(NSN 5895-01-476-4132)	Yes	Yes

Condition: The battalion is in a simulated (live, virtual, or constructive) combat environment. The main command post (CP) is operational and the staff sections are functioning. The unit receives an Operations Order/ Fragmentary Order (OPORD/FRAGO) and commander's guidance. The Airspace Information Center (AIC) is collocated with, or electronically connected to, the Army Air Defense Command Post and the control and reporting center. Communications are established with the Tactical Airspace Integration System (TAIS)-Airspace Command and Control (AC2) team, and supported operations centers. Some iterations of this task should be performed in MOPP.

Standard: The unit integrates digital systems as appropriate. The AIC provides advisories, deconflict, separates, and monitors airspace users, which prevents loss of friendly aircraft operating in its area of operations.

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 team collates critical situation air information data.
 - a. Retrieves data from Airspace Command and Control (AC2) team planning and/or operations from the Maneuver Control System or from other Army Tactical Command and Control Systems.
 - b. Enters data from AC2 planning and/or operations manually, as required.
 - c. Reviews Integrated Meteorological System products for weather information.
2. The team provides air traffic services (ATS) to aircraft.
 - a. Provides en route coordination.
 - b. Provides flight-following services.
 - c. Issues flight advisories, weather, and air warning information.
 - d. Relays flight clearances between Tactical Aviation Control Team(s) (TACTs) and/or originator.
 - e. Assists in search and rescue operations.
 - f. Tracks aircraft movement using FAA Form 7230-21.
 - g. Supervises the operation of subordinate TACTs.
 - h. Operates the net control stations, if applicable.
 - i. Performs instrument meteorological conditions recovery operations.
3. The team receives information from the airspace control order and posts to the appropriate maps/charts.
 - a. Posts location and designation of ATS facilities and navigation aids.
 - b. Displays coordinating altitudes.
 - c. Posts location of Air Defense Artillery (ADA) unit(s).
 - d. Displays command net frequency and call sign of the supporting ADA unit.
 - e. Posts identity friend or foe (IFF) operation procedures such as IFF on/off line.
 - f. Posts alternate ADA identification procedures.
 - g. Displays weapons control status in effect.
 - h. Posts airspace restrictions such as:
 - (1) Low-level routes.
 - (2) Minimum risk routes.

(3) High-density airspace control zones.

(4) Restricted operation areas.

(5) Standard use army aircraft flight routes.

i. Posts other information pertaining to the operational area of responsibility.

j. Posts on-call or demand activated navigation aids.

4. The team provides (via secure means only) information, when requested by supported units:

a. Provides type(s) and number of aircraft.

b. Provides contact frequency and call sign.

c. Provides routes of flight.

d. Provides altitudes.

e. Provides time and location that aircraft will enter or exit the ADA defended areas.

f. Provides other information, as required.

* 5. 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 team collated critical situation air information data.			
2. The team provided air traffic services (ATS) to aircraft.			
3. The team received information from the airspace control order and posted it to the appropriate maps/charts.			
4. The team provided (via secure means only) information, when requested by supported units			
5. 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: Sometimes

MOPP Statement: None

NVG: Never

NVG Statement: None

Prerequisite Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	01-1-7530	Coordinate Flight Checks of Air Traffic Services (ATS) Facilities and Nav aids	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
	01-4-7537	Provide Airspace Information Center (AIC) Services	01 - Aviation/Aviation Logistics (Collective)	Approved

Supporting Collective Task(s):

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
	01-4-7525	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
	01-4-7531	Conduct Ground Controlled Approach Radar Functions	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7532	Conduct Tower Missions	01 - Aviation/Aviation Logistics (Collective)	Approved

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	011-143-0014	Process Flights Progress Strips	011 - Aviation (Individual)	Approved
	011-143-0018	Provide Traffic Information/Advisories	011 - Aviation (Individual)	Approved
	011-143-0019	Select Runway for Use	011 - Aviation (Individual)	Approved
	011-143-0035	Install the Tactical Airspace Integration System (TAIS), AN/TSQ-221	011 - Aviation (Individual)	Approved
	011-143-1063	Install the AN/TSQ-198A Tactical Terminal Control System (TTCS)	011 - Aviation (Individual)	Approved
	011-143-2006	Manage Shift During and After an Aircraft Accident or Incident	011 - Aviation (Individual)	Approved
	011-143-2014	Determine Individual Controller Readiness Level	011 - Aviation (Individual)	Approved
	011-143-3005	Determine The Requirements For An Individual's Facility Rating	011 - Aviation (Individual)	Approved
	011-143-3022	Manage Controller Training Program	011 - Aviation (Individual)	Approved
	011-143-3025	Deconflict Airspace Control Means Request (ACMR)	011 - Aviation (Individual)	Approved
	011-143-3027	Supervise the Preparation for Movement of Tactical Equipment	011 - Aviation (Individual)	Approved
	011-143-3028	Supervise the Emplacement of Tactical Equipment	011 - Aviation (Individual)	Approved
	011-143-3029	Supervise the Operation of Tactical Equipment	011 - Aviation (Individual)	Approved
	011-143-4005	Manage The Army Airspace Command And Control (AC2) Procedures Operations Of The Tactical Airspace Integration System	011 - Aviation (Individual)	Approved
	011-300-0015	Supervise Operation of the AN/FSQ-211 Tactical Airspace Integration System (TAIS) Airspace Workstation (AWS).	011 - Aviation (Individual)	Approved
	011-405-0033	Manage the Operation Of The AN/FSQ-211 Tactical Airspace Integration System (TAIS) Airspace Workstation	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
	011-420-0018	Integrate Army Airspace Command and Control (AC2)	011 - Aviation (Individual)	Approved
	011-510-0301	Employ the Military Decision Making Process	011 - Aviation (Individual)	Approved
	011-510-0311	Conduct Military Briefings	011 - Aviation (Individual)	Approved
	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
	150-718-5315	Establish the Common Operational Picture	150 - Combined Arms (Individual)	Approved
	171-300-0083	Enforce Rules of Engagement (ROE)	171 - Armor (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.