

Training and Evaluation Outline Report

Task Number: 71-9-6100

Task Title: Provide Operational Air, Space, and Missile Defense (Division Echelon and Above [Operational])

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ADP 3-0	Unified Land Operations	Yes	No
	FM 3-01.11	AIR DEFENSE ARTILLERY REFERENCE HANDBOOK	Yes	No
	JP 3-0 CH 1	JOINT OPERATIONS	Yes	No
	JP 3-30	COMMAND AND CONTROL FOR JOINT AIR OPERATIONS	Yes	Yes
	JP 3-52	JOINT DOCTRINE FOR AIRSPACE CONTROL IN THE COMBAT ZONE	Yes	No

Condition: The command is conducting or preparing to conduct operations as a joint task force, joint force land component command, Army forces, or Army service component command headquarters. The command's headquarters may or may not have integrated joint staff augmentation, liaisons, unit, and individual attachments. The command has received an operations plan, or warning, operations or fragmentary order from higher headquarters and is exercising mission command. The commander has issued guidance on operational air, space, and missile defense. The command is prepared to interface with joint, interagency, governmental authorities, nongovernmental organizations, and multinational forces. The command has established communications with subordinate and adjacent units, and higher headquarters. The mission command system is operational and processing information in accordance with standard operating procedures. Some iterations of this task should be performed in MOPP.

Standard: The staff led by the Space section provides operational air, space and missile defense for the joint operations area and verifies operations are closely coordinated and systems are integrated with existing joint air and missile defense systems. The staff plans to protect operational forces from aerial and missile attack and surveillance (including attack from or through space) by planning direct defense measures and by destroying the threat's missile and air attack capacity through the use of aircraft (including helicopters), interceptor missiles, Air Defense Artillery, and other weapons not used primarily in an air defense role. The operational air, space and missile defense plan encompass all activities (active and passive) that identify, integrate, and employ forces, supported by theater capabilities, to detect, identify, classify, locate, track, discriminate, minimize the effects of and destroy air, space and missile threats.

Note: Task steps and performance measures may not apply to every unit or echelon. Prior to evaluation, coordination should be made between evaluator and the evaluated units' higher headquarters to determine the task steps and performance measures that may be omitted.

Special Equipment: None

Safety Level: Low

Task Statements

Cue: None

DANGER

Leaders have an inherent responsibility to conduct Composite Risk Management to ensure the safety of all Soldiers and promote mission accomplishment.

WARNING

Composite Risk Management is the Army's primary decision-making process to identify hazards, reduce risk, and prevent both accidental and tactical loss. All soldiers have the responsibility to learn and understand the risks associated with this task.

CAUTION

Identifying hazards and controlling risks across the full spectrum of Army functions, operations, and activities is the responsibility of all Soldiers.

Remarks: While Army doctrine has changed to mission command over command and control (C2 - which is now a component of mission command), and changed from using ISR (Intelligence, Reconnaissance and Surveillance) to information collection (comprised of reconnaissance and surveillance, security operations, and intelligence operations), joint doctrine still retains the primacy of C2 over mission command as well as the use of ISR. Commanders and staffs of Army headquarters serving as a joint task force, joint force land component command, Army forces, or Army service component command headquarters should refer to applicable joint or multinational doctrine for the exercise and use of C2 and ISR.

Notes: None

TASK STEPS

1. The staff allocates air, space and missile defense assets:

a. Confirm sufficient aerospace and surface based air and missile defense assets are allocated to counter threat air and missile threats.

b. Confirm appropriate weapon systems are matched to appropriate targets in sufficient numbers to achieve the intended effect and support economy of effort.

2. The staff addresses mission command, information systems, and common operational picture considerations:

a. Establish clear mission command structure.

b. Establish timely and accurate intelligence requirements.

c. Confirm command relationships are clarified to allow smooth transmission and understanding of plans and orders.

d. Confirm communications links are clear and unambiguous.

e. Confirm joint force connectivity is fully supported by interoperable voice and digital communications architectures.

f. Confirm training and analysis focused on interaction between Area Air Defense Commander (AADC), sector air defense commander, regional air defense commanders, joint interface control officer, and coordination between service air control elements.

g. Integrate space assets in the air, space and missile defense plan.

Note: Space assets are critical to passive defense, active defense and attack operations.

h. Confirm the plan focuses on protection against missile attack through an appropriate, integrated and coordinated mix of mutually supporting measures of passive defense, active defense and attack operations with supporting mission command.

3. The staff plans for active defense:

a. The staff plans for detection:

(1) Confirm appropriate equipment/observers are in place to detect target.

(2) Confirm communications links are in place and operational.

b. The staff plans for identification:

(1) Use positive identification where possible.

(2) Use procedural identification in combination with positive identification where possible.

(3) Confirm accurate and timely identification to enhance intercept and engagement of threat.

(4) Establish centrally planned identification and engagement procedures to avoid fratricide.

c. The staff plans for interception:

(1) Confirm accurate and timely interception and engagement.

(2) Establish early warning system and layered defense.

Note: Early warning and layered defense is vital in forming effective intercept.

d. The staff plans for destruction or negation of threat air and missile forces by confirming all defensive weapons are properly armed/activated.

4. The staff establishes Rules of Engagement (ROE):

a. Confirm component and supporting commanders established and disseminated effective ROE.

b. Establish effective ROE by requesting input from the joint force air component commander, AADC, and other subordinate commanders.

c. Confirm ROE for incoming ballistic missiles allows for immediate engagement.

5. The staff develops control measures:

a. Confirm all units are aware of weapons control status.

b. Confirm AADC and airspace control authority establishes procedures within the airspace control system to positively identify all airborne assets.

c. Confirm air tasking order and airspace control order are published and disseminated in a timely manner.

6. The staff plans for early warning:

a. Confirm connectivity for communications and sensor systems.

b. Establish combination of air, space and surface based detection and communication assets.

c. Establish "all clear" procedures.

7. The staff plans for passive defense:

a. Plan for camouflage, concealment, deception.

(1) Confirm timely intelligence on satellite/aircraft over flight patterns.

(2) Provide for limited exposure to targeting.

b. Plan for hardening:

(1) Confirm protection against attack, electromagnetic pulse and transient radiation.

(2) Accomplish during peacetime wherever possible.

c. Plan for reconstitution by confirming capability is in place to repair/replace assets/restore mission command, power and fuel.

d. Confirm protection against effects of weapons of mass destruction by providing contamination detection, shelter, and decontamination and chemical, biological, radiological and nuclear defensive equipment and facilities protection.

e. Plan for redundancy:

(1) Confirm backup capabilities.

(2) Provide duplication that ensures vital systems continue to operate.

f. Plan detection and warning systems:

(1) Confirm connectivity for communications and sensor systems that provided accurate and timely notification.

(2) Establish combination of air, space and surface based detection and communication assets.

g. Plan for dispersal by confirming high value assets are appropriately dispersed to complicate the enemy's ability to locate, target and attack friendly assets.

h. Plan for mobility by confirming mobility is part of the plan to complicate threat efforts to locate, conduct surveillance, and target friendly forces.

(Asterisks indicates a leader performance step.)

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. The staff allocated air, space and missile defense assets:			
a. Confirmed sufficient aerospace and surface based air and missile defense assets were allocated to counter threat air and missile threats.			
b. Confirmed appropriate weapon systems were matched to appropriate targets in sufficient numbers to achieve the intended effect and supported economy of efforts.			
2. The staff addressed mission command, information systems, and common operational picture considerations:			
a. Established clear mission command structure.			
b. Established timely and accurate intelligence requirements.			
c. Confirmed command relationships were clarified to allow smooth transmission and understanding of plans and orders.			
d. Confirmed communications links were clear and unambiguous.			
e. Confirmed joint force connectivity was fully supported by interoperable voice and digital communications architectures.			
f. Confirmed training and analysis focused on interaction between Area Air Defense Commander (AADC), sector air defense commander, regional air defense commanders, joint interface control officer, and coordination between service air control elements.			
g. Integrated space assets in the air, space and missile defense plan.			
h. Confirmed the plan focused on protection against missile attack through an appropriate, integrated and coordinated mix of mutually supporting measures of passive defense, active defense and attack operations with supporting mission command.			
3. The staff planned for active defense:			
a. The staff planned for detection:			
(1) Confirmed appropriate equipment/observers were in place to detect target.			
(2) Confirmed communications links were in place and operational.			
b. The staff planned for identification:			
(1) Used positive identification where possible.			
(2) Used procedural identification in combination with positive identification where possible.			
(3) Confirmed accurate and timely identification to enhance intercept and engagement of threat.			
(4) Established centrally planned identification and engagement procedures to avoid fratricide.			
c. The staff planned for interception:			
(1) Confirmed accurate and timely interception and engagement.			
(2) Established early warning system and layered defense.			
d. The staff planned for destruction or negation of threat air and missile forces by confirming all defensive weapons were properly armed/activated.			
4. The staff established Rules of Engagement (ROE):			
a. Confirmed component and supporting commanders established and disseminated effective ROE.			
b. Established effective ROE by requesting input from the joint force air component commander, AADC, and other subordinate commanders.			
c. Confirmed ROE for incoming ballistic missiles allowed for immediate engagement.			
5. The staff developed control measures:			
a. Confirmed all units were aware of weapons control status.			
b. Confirmed AADC and airspace control authority established procedures within the airspace control system to positively identify all airborne assets			
c. Confirmed air tasking order and airspace control order were published and disseminated in a timely manner.			
6. The staff planned for early warning:			

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	71-9-6110	Manage Operational Aerospace Targets (Division Echelon and Above [Operational])	71 - Combined Arms (Collective)	Approved
	71-9-6120	Integrate Joint and Multinational Operational Aerospace Defense (Division Echelon and Above [Operational])	71 - Combined Arms (Collective)	Approved
	71-9-6130	Provide Airspace Control (Division Echelon and Above [Operational])	71 - Combined Arms (Collective)	Approved
	71-9-6140	Conduct Defensive Counter Air Operations in the Joint Operations Area (Division Echelon and Above [Operational])	71 - Combined Arms (Collective)	Approved
	71-9-6150	Conduct Joint Area Missile Defense (Division Echelon and Above [Operational])	71 - Combined Arms (Collective)	Approved

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	129-806-0009	Report Required Information to The Missile Defense Officer (MDO)	129 - Space and Missile Defense (Individual)	Approved
	441-041-1010	Plan Air and Missile Defense (AMD) Employment in Support of Operations	441 - Air Defense (Individual)	Approved
	441-041-1013	Perform as an Air Missile Defense Liaison Officer	441 - Air Defense (Individual)	Approved
	441-042-1004	Prepare an Air and Missile Defense (AMD) Annex	441 - Air Defense (Individual)	Approved
	441-042-1005	Plan Logistics Support for Air and Missile Defense (AMD) Units Engaged in Combat Operations	441 - Air Defense (Individual)	Approved
	441-BNC-0171	Conduct Air Missile Defense (AMD) Defense Design	441 - Air Defense (Individual)	Approved
	441-EW2-2229	Coordinate Targets with Other Missile Defense Units	441 - Air Defense (Individual)	Approved
	441-FCO-1003	Identify Capabilities and Limitations of Various Air and Missile Defense (AMD) Platforms within the Joint Operating Area (JOA)	441 - Air Defense (Individual)	Approved
	441-PTG-2041	Identify Air Missile Defense (AMD) Interoperability Capabilities and Requirements	441 - Air Defense (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			

Material Items (NSN)

Step ID	NSN	LIN	Title	Qty
No equipment 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.

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. .