

Training and Evaluation Outline Report

Task Number: 71-8-6100

Task Title: Employ Air and Missile Defense (Battalion - Corps)

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ADP 3-0	Unified Land Operations	Yes	No
	FM 3-27	ARMY GLOBAL BALLISTIC MISSILE DEFENSE (GBMD) OPERATIONS	Yes	Yes
	FM 6-0	MISSION COMMAND	Yes	No
	SUSTAINMENT BDE MET 2	ART 4.1 Provide Logistics Support TG 71-8-4100	Yes	No

Condition: 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 employing air and missile defense. 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. The unit has received guidance on the rules of engagement. Some iterations of this task should be performed in MOPP.

Standard: The staff, led by the air and missile defense section, plans, coordinates and synchronizes air and missile defense for the area of operation in accordance with the higher headquarters order and commander's guidance. Allocates all air and missile defense assets employed to best exploit their capabilities to civil support operations in accordance with the commander's intent. Includes air and missile defense tasks in plans and orders. Disseminates air and missile defense plans and products to higher, adjacent, subordinate and supporting units.

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 performance measures that may not be evaluated.

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: 07 November 2011

Notes: None

TASK STEPS

1. Upon receipt of the mission the Air Missile Defense (AMD) Section begins planning using the Military Decision Making Process (MDMP) by:
 - a. Gathering AMD information to develop the AMD running estimate, (requesting information from AMD units and other agencies).
 - b. Conducting an initial assessment of the higher HQ order.
 - c. Obtaining the initial planning guidance from the commander and providing AMD information to the Plans Section for the first WARNO.
2. The AMD Section develops the AMD running estimate by:
 - a. Analyzing higher HQs OPORD and AMD plan to identify High Value Targets (HVTs) and verify the status of AMD units, equipment and systems.
 - b. Evaluating the effects of the characteristics of the Area of Operations (AO) on AMD operations and the aerial threat as part of the staffs Intelligence Preparation of the Battlefield (IPB).
 - c. Evaluating the aerial threat.
 - d. Conducting coordination with the staff to develop facts and assumptions by:
 - (1) Collects Relevant Information (RI) for the AMD estimate to include:
 - (a) Coordinating with Aviation (AVN) Section, Fires Element and Airspace Integration Element to develop airspace integration plan.
 - (b) Coordinating Identification Friend or Foe (IFF), horizontally and vertically.
 - (2) Assesses the availability of other AMD forces disposition, composition and strength, to include their capabilities and limitations.
 - (3) Assesses the impact of other resources that could affect AMD or airspace integration operations such as Close Air Support (CAS), naval fire support, Electronic Warfare (EW), and Army and Air Force aviation.
 - (4) Develops key considerations or evaluation criteria to determine the supportability of operations from an AMD perspective.
 - e. Developing the scheme of AMD support for each Course Of Action (COA) to include:
 - (1) Air defense priorities.
 - (2) Air defense mission.
 - (3) Air defense fires.
 - (4) AMD task organization.
 - (5) Command and support relationships.
 - (6) Key passive AMD measures.

(7) Type of action required in each operational area.

(8) Combined arms for air defense measures.

f. Analyzing each COA, during wargaming, to assess the advantages and disadvantages in providing AMD coverage and the effect on the force, including the relationship of time versus space, and the ammunition/missiles or assets required.

g. Comparing COAs to determine the most supportable COA from an AMD perspective.

h. Developing a recommendation for the commander on the most supportable COA from the AMD perspective to include:

(1) AMD organization for operations.

(2) Offensive Counter-Air (OCA) and Defensive Counter-Air (DCA) priorities.

(3) Active, passive and other combined arms AMD measures.

3. Upon approval of a COA, the AMD Section completes the AMD annex by:

a. Confirming the plan contains the commander's guidance issued after mission analysis, including:

(1) AMD scheme of maneuver.

(2) High value and geo-political targets nominations.

(3) AMD tasks for each phase that support the commander's intent.

(4) Task organization of AMD assets and employment of munitions to accomplish all tasks.

b. Confirming support to forces in contact.

c. Synchronizing the AMD systems in time and space with maneuver.

d. Confirming logistics support requirements are included in the sustainment plan of AMD systems.

e. Incorporating AMD planning principles.

f. Prioritizing assets and effects of all AMD systems to meet the commander's intent.

g. Allocating targets and radar zones.

h. Establishing a No Later Than (NLT) time for High Value Targets (HVTs) to be added or refined.

i. Developing guidance for the observation plan.

j. Developing guidance on Suppression of Enemy Air Defense (SEAD), if applicable.

4. During orders production, the AMD Section prepares the AMD portion of the concept of the operation paragraph for the OPLAN/OPORD/FRAGO.

5. Upon publication of OPLAN/OPORD/FRAGO, the AMD Section continuously updates the AMD running estimate, to include:

- a. Maintaining the status and location of AMD assets.
- b. Recommending changes to battle and air space, as necessary.

6. During preparation, the AMD Section prepares for AMD operations by:

- a. Coordinating with AMD Section at higher and lower echelons, as well as adjacent units, to ensure vertical and horizontal integration of AMD plans and coverage throughout the AO.
- b. Updating aerial IPB.
- c. Nominating OCA targets.
- d. Adjusting target recommendations and priorities based on Intelligence, Surveillance, and Reconnaissance (ISR) feedback.
- e. Synchronizing theater and Joint, Interagency, Intergovernmental and Multinational (JIIM) AMD elements.
- f. Assisting the targeting planners in integrating counterair and Theater Missile Defense (TMD) priorities into the force's targeting process.
- g. Synchronizing airspace control authority/airspace coordination area.

h. Informing the AVN section and Fires Element of all air defense warnings and Weapons Control Status (WCS).

7. During execution of operations, the AMD Section advises the commander and staff on all AMD-related issues by:

- a. Monitoring current enemy AMD activities.
- b. Monitoring theater and JIIM AMD elements.
- c. Providing threat early warning.
- d. Tracking friendly AMD operations to include:

- (1) Unit positioning.
- (2) Unit status.
- (3) Coverage fans.
- (4) Sensor plans.

(5) Changes in the Air Tasking Order (ATO), Priority Target Lists (PTLs), Airspace Coordinating Measures (ACMs), Rules Of Engagement (ROE), and number and type of missiles available.

e. Coordinating current operations of subordinate AMD forces and passing critical AMD information.

f. Ensuring the direction of beyond line-of-sight/non-line of sight AMD fires complies with the Joint Integrated Air Defense System.

g. Assisting with airspace coordination and execution, focusing on defense readiness conditions, air defense warning and WCS.

h. Managing linkage to the Joint Surveillance Integration Automation Project (SIAP).

i. Managing and developing the common operational picture into situational understanding.

j. Synchronizing operational protection of third dimension operational environment.

k. Synchronizing AMD theater and tactical augmentation.

l. Supporting AMD mission command networks and systems integration with Airspace Integration and Fires sections.

m. Conducting battle damage assessment.

n. Recommending targets for re-attack.

(Asterisks indicates a leader performance step.)

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Upon receipt of the mission the Air Missile Defense Section planned it's strategy using the Military Decision Making Process (MDMP).			
a. Gathered AMD information to develop the AMD running estimate, (requesting information from AMD units and other agencies).			
b. Conducted an initial assessment of the higher HQ order.			
c. Obtained the initial planning guidance from the commander and provided AMD information to the Plans Section for the first WARNO.			
2. The Air Missile Defense Section developed the air missile defense running estimate.			
a. Analyzed higher HQs OPORD and AMD plan to identify High Value Targets (HVTs) and verified the status of AMD units, equipment and systems.			
b. Evaluated the effects of the characteristics of the Area of Operations (AO) on AMD operations and the aerial threat as part of the staffs Intelligence Preparation of the Battlefield (IPB).			
c. Evaluated the aerial threat.			
d. Conducted coordination with the staff to develop facts and assumptions.			
(1) Collected Relevant Information (RI) for the AMD estimate.			
(a) Coordinated with Aviation (AVN) Section, Fires Element and Airspace Integration Element to develop airspace integration plan.			
(b) Coordinated Identification Friend or Foe (IFF), horizontally and vertically.			
(2) Assessed the availability of other AMD forces disposition, composition and strength, to include their capabilities and limitations.			
(3) Assessed the impact of other resources that could affect AMD or airspace integration operations such as Close Air Support (CAS), naval fire support, Electronic Warfare (EW), and Army and Air Force aviation.			
(4) Developed key considerations or evaluation criteria to determine the supportability of operations from an AMD perspective.			
e. Developed the scheme of AMD support for each Course Of Action (COA).			
(1) Air defense priorities.			
(2) Air defense mission.			
(3) Air defense fires.			
(4) AMD task organization.			
(5) Command and support relationships.			
(6) Key passive AMD measures.			
(7) Type of action required in each operational area.			
(8) Combined arms for air defense measures.			
f. Analyzed each COA, during wargaming, to assess the advantages and disadvantages in providing AMD coverage and the effect on the force, including the relationship of time versus space, and the ammunition/missiles or assets required.			
g. Compared COAs to determine the most supportable COA from an AMD perspective.			
h. Developed a recommendation for the commander on the most supportable COA from the AMD perspective to include:			
(1) AMD organization for operations.			
(2) Offensive Counter-Air (OCA) and Defensive Counter-Air (DCA) priorities.			
(3) Active, passive and other combined arms AMD measures.			
3. Upon approval of a COA, the Air Missile Defense Section completed the air missile defense annex.			
a. Confirmed the plan contains the commander's guidance issued after mission analysis, to include:			
(1) AMD scheme of maneuver.			
(2) High value and geo-political targets nominations.			

(3) AMD tasks for each phase that supported the commander's intent.			
(4) Task organization of AMD assets and employment of munitions which accomplished all tasks.			
b. Confirmed support to forces in contact.			
c. Synchronized the AMD systems in time and space with maneuver.			
d. Confirmed logistics support requirements were included in the sustainment plan of AMD systems.			
e. Incorporated AMD planning principles.			
f. Prioritized assets and effects of all AMD systems which met the commander's intent.			
g. Allocated targets and radar zones.			
h. Established a No Later Than (NLT) time for High Value Targets (HVTs) to be added or refined.			
i. Developed guidance for the observation plan.			
j. Developed guidance on Suppression of Enemy Air Defense (SEAD), if applicable.			
4. During orders production, the Air Missile Defense Section prepared the air missile defense portion of the concept of the operation paragraph for the OPLAN/OPORD/FRAGO.			
5. Upon publication of OPLAN/OPORD/FRAGO, the Air Missile Defense Section updated the air missile defense running estimate.			
a. Maintained the status and location of AMD assets.			
b. Recommended changes to the area of operational environment, as necessary.			
6. During preparation, the Air Missile Defense Section prepared for AMD operations.			
a. Coordinated with AMD Section at higher and lower echelons, as well as adjacent units, to ensure vertical and horizontal integration of AMD plans and coverage throughout the AO.			
b. Updated aerial IPB.			
c. Nominated OCA targets.			
d. Adjusted target recommendations and priorities based on Intelligence, Surveillance, and Reconnaissance (ISR) feedback.			
e. Synchronized theater and Joint, Interagency, Intergovernmental and Multinational (JIIM) AMD elements.			
f. Assisted the targeting planners in integrating counterair and Theater Missile Defense (TMD) priorities into the force's targeting process.			
g. Synchronized airspace control authority/airspace coordination area.			
h. Informed the AVN section and Fires Element of all air defense warnings and Weapons Control Status (WCS).			
7. During execution of operations, the Air Missile Section advised the commander and staff on all air missile defense related issues.			
a. Monitored current enemy AMD activities.			
b. Monitored theater and JIIM AMD elements.			
c. Provided threat early warning.			
d. Tracked friendly AMD operations which included:			
(1) Unit positioning.			
(2) Unit status.			
(3) Coverage fans.			
(4) Sensor plans.			
(5) Changes in the Air Tasking Order (ATO), Priority Target Lists (PTLs), Airspace Coordinating Measures (ACMs), Rules Of Engagement (ROE), and number and type of missiles available.			
e. Coordinated current operations of subordinate AMD forces and passed critical AMD information.			
f. Ensured that the direction of beyond line-of-sight/non-line of sight AMD fires complied with the Joint Integrated Air Defense System.			

Step Number	Task Number	Title	Proponent	Status
	150-718-5118	Prepare an Annex	150 - Combined Arms (Individual)	Approved
	441-041-1010	Plan Air and Missile Defense (AMD) Employment in Support of Operations	441 - Air Defense (Individual)	Approved
	441-041-1011	Supervise Air and Missile Defense (AMD) Implementation of Air Defense (AD) Measures	441 - Air Defense (Individual)	Approved
	441-041-1015	Plan Maneuver Air and Missile Defense (MAMD) Employment	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. .