

Summary Report for Individual Task
011-218-1212
Perform Enhanced Ground Proximity Warning System-Terrain Avoidance Warning System Operations
Status: Approved

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 Fort Rucker foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

Condition: In a C-12 series airplane equipped with ground proximity altitude advisory system (GPAAS)/ground proximity warning system (GPWS), EGPWS, and/or terrain awareness and warning system (TAWS), under VMC, IMC, or in a classroom environment. Some iterations of this task should be performed in MOPP 4.

- Standard:** 1. Correctly turn on, test, adjust, and operate, the terrain avoidance equipment IAW the aircraft flight manual (AFM) and supplements, operators manual or manufacturers operating handbook.
2. Correctly identify terrain avoidance cockpit indications and symbology.
3. Correctly respond to terrain avoidance advisories and warnings.

Special Condition: None

Safety Risk: Medium

MOPP 4: Sometimes

Task Statements

Cue: None

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: None

Performance Steps

1. Crew actions.

a. Prior to takeoff, the crew will check the system for proper operation. Crews will observe precautions specified in the AFM, operator's manual, TAWS Flight Manual Supplement, or the equipment operating handbook.

b. The operation of the terrain avoidance equipment in flight is the P's responsibility. Crewmembers will adjust the terrain avoidance equipment as required. Normally, the TAWS "pop-up" visual display is the priority display on the multifunction display (MFD) and will override the weather and/or TCAS display when there is a terrain alert. If the installation does not include the terrain display as a pop-up on the MFD, then crewmembers will select the terrain display during flight whenever there is a TAWS "Warning" or "Alert." When the particular installation does not include the terrain as a pop-up display and terrain is the overriding concern, as in approaches or departures in mountainous areas or receiving vectors in mountainous areas, the MFD or EGPWS display will be operated in the terrain mode.

c. When IMC, all flight crews will respond to a TAWS warning to "PULL UP" by executing an immediate climb. If the warning occurs during an instrument final approach, the crew will climb and execute the published or alternate missed approach procedure to assure terrain clearance.

d. When VMC, flight crews are authorized to disregard a terrain avoidance warning if, and only if, they (both crewmembers) have absolutely identified, beyond any doubt, the terrain that caused the warning and they are certain of the capability to clear the terrain. If either crewmember has any doubt, then correctly respond to the terrain avoidance warning.

e. Crews are authorized to deviate from their ATC clearance to the extent necessary to comply with a TAWS warning. After a deviation, as soon as workload permits, crews must report to ATC.

f. The terrain awareness and display (TAD) function should be inhibited by selecting the TERRAIN INHIBIT switch when:

(1) Operating within 15 NM of takeoff, approach, or landing at an airport not contained in the EGPWS database. (See Allied Signal document 060-4267-000, EGPWS terrain database airport coverage list.)

(2) The FMS or other long-range navigation system providing position information to the TAWS, is in the dead reckoning mode (if applicable).

(3) Conducting repetitive day closed traffic/traffic pattern operations.

2. Procedure. The P*, will be assisted by the P.

(Asterisks indicates a leader performance step.)

Evaluation Guidance:

Evaluation will be conducted in the aircraft, academically, or in an approved FS.

Evaluation Preparation:

Training will be conducted in the aircraft, academically, or in an approved FS.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Correctly turned on, test, adjust, and operate, the terrain avoidance equipment IAW the aircraft flight manual (AFM) and supplements, operator's manual or manufacturer's operating handbook.			
2. Correctly identified terrain avoidance cockpit indications and symbology.			
3. Correctly responded to terrain avoidance advisories and warnings.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	TM 1-1510-218-10	OPERATORS MANUAL FOR ARMY C-12C, C-12D, C-12T1, AND C-12C2 AIRCRAFT	No	No
	TM 1-1510-218-CL	OPERATORS AND CREWMEMBERS CHECKLIST FOR ARMY C-12C AIRCRAFT (NSN 1510- 01-070-3661);ARMY C-12D AIRCRAFT (1510-01-087-9129);ARMY C-12T AIRCRAFT (1510-01-470-0220)	No	No

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, 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, 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.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None