

Summary Report for Individual Task  
011-218-1253  
Perform Autopilot/Flight Director Operations  
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 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, under VMC, or IMC.

**Standard:** Operate the AP/FD system IAW the appropriate aircraft operator's manual.

**Special Condition:** None

**Safety Risk:** Medium

**MOPP 4:**

<b>Task Statements</b>
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**Cue:** None

<b>DANGER</b>
None

<b>WARNING</b>
None

<b>CAUTION</b>
None

**Remarks:** None

**Notes:** None

### Performance Steps

1. Crew actions. The P\* is primarily responsible for directing the mode of the AP/FD. The P will engage the AP/FD mode(s) when requested by the P\* and call out the action. The P will monitor the flight instruments and AP/FD annunciator lights and immediately advise the P\* of any abnormal indications.

2. Procedure. The P\*, assisted by the P, will perform the following procedures:

a. Perform manual flight responses to the FD commands (climbs, descents and turns).

b. Perform coupled flight maneuvers (climbs, descents, and turns), using the P to engage the desired FD function. With the AP engaged, fly the desired profile using the appropriate command knob (heading, course, pitch wheel, or turn).

c. Perform coupled navigation and instrument approaches.

**Note:**

For those systems with an altitude pre-selector, the P may reset the new altitude without the P\* direction when ATC directs an altitude change. The P will announce that the new altitude is set and the "ALT ARM" feature is engaged ("ONE ZERO THOUSAND SET, AND ARMED"). The P\* will confirm the new altitude setting: "CONFIRM ONE ZERO THOUSAND SET, AND ARMED".

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:**

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

**Evaluation Preparation:**

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

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. The P* directed the mode of the AP/FD.			
2. P engaged the AP/FD mode(s) when requested by the P* and call out the action.			
3. Monitored the flight instruments and AP/FD annunciator lights.			
4. Advised the P* of any abnormal indications.			

**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