

Report Date: 16 May 2014

**Summary Report for Individual Task
011-218-1006
Plan an Instrument Flight Rules Flight
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: Prior to IFR flight in a C-12 series airplane and given access to weather information, NOTAMS, flight planning aids, necessary charts, forms/publications; and weight and balance information.

- Standard:**
1. Determine takeoff and landing capabilities using the operators manual or the approved electronic TOLD program.
 2. Verify the weight and balance is current and within limits for the planned load using the appropriate DD Form 365-4.
 3. Obtain weather for departure, en route, destination and alternate (if used) and ensure weather will be at or above IFR weather planning minimums required by AR 95-1.
 4. Plan the mission to meet all requirements for IMC flight. Determine the proper departure, en route and destination procedures, and decide if an alternate airfield is required.
 5. Select route(s) and altitudes that avoid hazardous weather conditions, conform to IFR cruising altitudes and do not exceed aircraft or equipment limitations.
 6. Compute for the mission:
 - a. Distance within 5 miles, true airspeed within 10 KIAS and ETE within 3 minutes for each leg of the flight.
 - b. Ensure IFR fuel and reserve requirements are met IAW AR 95-1.
 7. Perform mission risk assessment and crewmember briefing IAW unit SOP and AR 95-1.
 8. Complete and file a FPLN IAW AR 95-1, DOD FLIP and local or host country procedures.

Special Condition: None

Safety Risk: Medium

MOPP 4:

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| Task Statements |
|------------------------|

Cue: None

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| DANGER |
| None |

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|----------------|
| WARNING |
| None |

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|----------------|
| CAUTION |
| None |

Remarks: None

Notes: None

Performance Steps

1. Crew actions.

Note:

The use of computer flight planning programs is authorized. The crew should verify the information with applicable charts before using.

a. The PC should assign flight planning duties.

b. Crewmembers will complete the assigned duties and report the results to the PC.

c. The PC will ensure that the crewmembers are current and qualified. The PC will also determine whether the aircraft is properly equipped and that sufficient flight planning has been completed to accomplish the mission.

2. Procedures.

a. Using appropriate military, FAA, or host-country weather facilities, obtain information about the weather. Compare destination forecast and approach minimums, and determine if an alternate airfield is required.

b. Check the NOTAMs, GPS NOTAMS, GPS receiver autonomous integrity monitoring (RAIM) and other appropriate sources for restrictions that may apply to the flight.

c. Obtain navigation charts that cover the entire flight area, and allow for changes in routing or destination that may be required. Select the route(s) or course(s) and altitude(s) that will best facilitate mission accomplishment. When possible, select preferred and alternate routing.

d. Select altitude(s) that minimize icing and turbulence are above minimum IFR altitudes, conform to the semicircular rule, and do not exceed aircraft or equipment limitations.

e. Compute the total distance and flight time, and calculate the required fuel. Determine refueling arrangements, if required. Use the appropriate charts, the operator's manual, or a computer flight-planning program, if applicable. If a computer flight-planning program is used, verify aircraft performance data with the operator's manual before using. Complete the appropriate FPLN and file it with the appropriate agency.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Evaluation will be conducted academically.

Task may be conducted prior to flight in an approved FS.

Evaluation Preparation: Training will be conducted academically.

| PERFORMANCE MEASURES | GO | NO-GO | N/A |
|---|----|-------|-----|
| 1. Determined takeoff and landing capabilities using the operator's manual or the approved electronic TOLD program. | | | |
| 2. Verified the weight and balance is current and within limits for the planned load using the appropriate DD Form 365-4. | | | |
| 3. Obtained weather for departure, en route, destination and alternate (if used) and ensured weather will be at or above IFR weather planning minimums required by AR 95-1. | | | |
| 4. Planned the mission to meet all requirements for IMC flight. | | | |
| 5. Determined the proper departure, en route and destination procedures, and decided if an alternate airfield is required. | | | |
| 6. Selected route(s) and altitudes that avoid hazardous weather conditions, conform to IFR cruising altitudes and do not exceed aircraft or equipment limitations. | | | |
| 7. Computed distance within ±5 miles, true airspeed within 10 KIAS and ETE within ±3 minutes for each leg of the flight. | | | |
| 8. Ensured IFR fuel and reserve requirements are met IAW AR 95-1. | | | |
| 9. Performed mission risk assessment and crewmember briefing IAW unit SOP and AR 95-1. | | | |
| 10. Completed and filed a FPLN IAW AR 95-1, DOD FLIP and local or host country procedures. | | | |

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