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Flying

FUNCTIONAL CHECK FLIGHTS

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction establishes procedures for coordination and conduct of all functional check flights (FCF), and applies to all personnel involved in the completion of an FCF. This instruction implements AFPD 11-2, *Aircraft Rules and Procedures*.

SUMMARY OF REVISIONS

This instruction changes the unit designation throughout the text. It also changes references. A (I) indicates new or revised material since the previous edition

1. Functional Check Flight Publications. Each FCF crew member must understand the provisions of this instruction, applicable TO 00-20 series, TO 1-1-300, *Acceptance/Functional Check Flights and Maintenance Operational Checks*, AFRCI 21-101, *Aircraft Maintenance Guidance and Procedures*, chapter 3, and the FCF portion of the dash six (-6) and dash six CF and CL dash one (-6CF-1) procedures for the unit equipped (UE) aircraft assigned.

2. Weather Minimums. C-130 and H-60 FCFs are normally flown in visual meteorological conditions (VMC) during daylight hours. See TO 1-1-300 for exceptions.

3. FCF Crew Qualifications . FCF crews are selected from the best qualified crew members available. A list of authorized FCF crew members is signed by the Group commander and a copy furnished to Maintenance Squadron Quality Assurance.

4. Procedures.

4.1. Maintenance Operations Center:

- 4.1.1. Notifies the Flying Squadrons, as far in advance as possible, of known FCF requirements.
- 4.1.2. Ensures the aircraft is ready for flight.
- 4.1.3. Coordinates with Quality Assurance for necessary actions and briefing.
- 4.2. Quality Assurance:
 - 4.2.1. Reviews the aircraft maintenance records.
 - 4.2.2. Coordinates with the Flying Squadron for a firm briefing time for the FCF.
 - 4.2.3. Briefs the FCF aircraft commander in accordance with AFRCI 21-101, chapter 3, and TO 1-1-300.
 - 4.2.4. Notifies MOC that the briefing has been completed and the approximate time the FCF crew is scheduled to arrive at the aircraft.
 - 4.2.5. Debriefs the FCF with the aircraft commander after the flight.
- 4.3. Flying Squadrons:
 - 4.3.1. Provides the required FCF crew from designated crew members.
 - 4.3.2. Has the FCF aircraft commander brief the FCF with Quality Assurance.
 - 4.3.3. Conducts the FCF in accordance with prescribed directives.
- 4.4. An FCF checklist is accomplished during the check flight.
- 4.5. Upon completion of FCF, flight crews debrief with Quality Assurance. If the FCF terminates after duty hours, the Quality Assurance/Flight Crew debrief is conducted the morning of the next duty day.

5. FCF Area. FCF for C-130 aircraft and helicopter operations requiring high altitude is conducted in an area coordinated with ATC. If available, the FCFs should be conducted in the area 5 to 30 DME between the Patrick TACAN 095 and 155 degree radials. For helicopter FCFs not requiring a high altitude, the helicopter training area as identified in 45 SWI 13-203, Air and Ground Traffic Control is used.

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