



Maintenance

***FUNCTIONAL CHECK FLIGHT (FCF) & HIGH-
SPEED TAXI CHECK PROGRAM***

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction implements AFPD 21-1. It provides a standard procedure for the accomplishment of all aircraft Functional Check Flights (FCF) requirements. It applies to all 913 AW personnel having duties involving FCFs. It also carries out the policies set forth in AFRCI 21-101, T.O. 1-1-300, T.O. 1C-130(E)H-1, T.O. 1C-130(E)H-6CL-1, T.O. 1C-130A-6, and T.O. 00-20-5.

SUMMARY OF REVISIONS

This revision changes Technical Order references, areas of responsibility and specified procedures. An * indicates change from the previous edition.

1. Responsibilities:

1.1. The Logistic Group Commander (LG/CC) ensures the FCF Program is managed by Quality Assurance (QA).

1.2. The Operations Group Commander (OG/CC) reviews qualifications of all assigned crews and selects highly qualified individuals for FCFs (including high-speed taxi checks).

1.3. Quality Assurance will manage and administer the FCF program.

*1.4. Plans & Scheduling (P&S) will coordinate scheduling of FCF with the Wing Command Post and establish a date and time for the FCF. A minimum of 24-hour advance notice is required.

1.5. Dock Chief /Crew Chief will notify QA of the requirement for a FCF or high-speed taxi check.

2. Procedures:

2.1. Inspection and Preparation of Aircraft Maintenance Records:

2.1.1. Dock Chief or Crew Chief will enter a FCF discrepancy, describing the reason for FCF, in AFTO Form 781A, & in GO81 with LGQX as the responsible workcenter, and notify QA.

2.1.2. When a FCF checklist is required, QA will prepare and highlight appropriate areas.

*2.1.3. After the preflight has been completed, the crew chief will, as soon as possible, forward the aircraft 781 forms binder to P&S. P&S will review the aircraft forms and GO81 records with the crew chief to determine that all necessary work and inspections have been accomplished and all appropriate entries have been properly entered and signed off. Upon completion the flightline chief or designated individual will sign off the exceptional release and forward the records to QA for final review.

2.2. Notification and Scheduling of FCF

2.2.1. After a complete and thorough records review and aircraft is ready for the FCF, QA will notify P&S to schedule FCF. P&S will then confirm a date and time for the FCF with Operations and notify QA.

2.2.2. The aircraft will be turned over to Operations a minimum of 3 hours prior to the established takeoff time to allow for sufficient time for aircrew briefing and aircraft preparation by the flight crew.

*2.2.3. The aircrew will notify QA prior to reporting for their briefing. Briefings should be conducted a minimum of 1-hour prior to established take-off time. This will give QA time to notify appropriate maintenance personnel to attend briefing, if required.

***3. FCF Crew Briefing.** The flight engineer will report to QA to review aircraft forms and FCF checklist prior to performing the -1 inspection. Upon completion of the review the flight engineer will take the aircraft forms with him and perform his -1 inspection. Once the -1 inspection is complete the flight crew is notified and reports to QA for a crew brief of the reason for FCF, FCF requirements, and all maintenance discrepancies that are pertinent to FCF.

4. Control and Accomplishment of FCF

4.1. The minimum crew required to perform check flight duties or accomplish in-flight requirements will conduct check flights. Check flights will be accomplished without cargo and/or nonessential passengers.

4.2. FCF Area - FCF will be accomplished in the 913th Airlift Wing local flying area, which is within a 250 nautical mile radius of Willow Grove ARS.

4.3. Each aircrew member will carefully evaluate each FCF checklist item relative to their crew position and record all discrepancies discovered on AFTO Form 781A. All discrepancies will be recorded in sufficient detail to explain the problem in order to expedite corrective action.

5. Completion of the FCF:

*5.1. Upon completion of the FCF, the aircrew will return the completed checklist (1C-130(E)H-6CL-1) and the aircraft forms to QA. QA will debrief the crew, review the checklist and aircraft forms for accuracy and ensure all required forms have been properly annotated.

5.2. The aircraft commander will make a determination whether or not to release the aircraft, and annotate the checklist appropriately. If aircraft is released, the FCF discrepancy will be signed off in the AFTO Form 781A. If aircraft is not released the discrepancy will remain open.

*5.3. QA will input all discrepancies identified during the FCF in GO81 than notify the Debrief & Dispatch Section of FCF release status and forward the aircraft forms binder to D&D for finalization and closure.

*5.4. Upon completion, QA will forward the FCF checklist to Documentation to be added to the aircraft historical records.

6. High-Speed Taxi Checks: High-speed taxi checks will be performed by certified FCF crews only. All checks will be processed through QA using FCF procedures.

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