

**10 SEPTEMBER 2003**



**Maintenance**

**FUNCTIONAL AND/OR OPERATIONAL  
CHECK FLIGHT**

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

---

**NOTICE:** This publication is available digitally on the AFDPO WWW site at:  
<http://www.e-publishing.af.mil>

---

OPR: 439 MXG/QA (CMSgt James H. LaGasse)

Certified by: 439 MXG/CC  
(Col Charles A. Brown, Jr.)

Supersedes 439 AWI 21-101, 8 February 2000

Pages: 2  
Distribution: F

---

This instruction implements AFD 21-1, *Air and Space Maintenance*. It establishes procedures for the control of the functional check flight (FCF) program. It applies to the Operations Group Commander (OG/CC), 337 Airlift Squadron, Airfield Management, Command Post, Maintenance Operations Squadron, and the Maintenance Group (MXG) aircraft maintenance activities.

**SUMMARY OF REVISIONS**

This revision changes System Check Flight to Operational Check Flight (OCF) (title of publication and paragraph 2.), and changes the organizational structure codes throughout. A ( | ) indicates revisions from the previous edition.

**1. Functional Check Flights (FCF).**

- 1.1. FCFs are determined by the requirements outlined in T. O. 1-1-300, *Acceptance/Functional Check Flights and Maintenance Operational Checks*, 1C-5A-6, *Aircraft Scheduled Inspections*, and maintenance requirements or as directed by the MXG commander (MXG/CC).
- 1.2. Westover ARB aircrews are not qualified to perform FCFs. If it becomes necessary for an FCF at Westover, the MXG/CC will coordinate with Robins AFB GA to schedule it.
- 1.3. The Quality Assurance (QA) office and the applicable maintenance flight superintendent will be the focal point to answer aircrew questions concerning the discrepancies or condition(s) that prompted the necessity for the FCF.
- 1.4. QA is required to maintain an AF Form 2400, **Functional Checkflight Log**, to provide historical information on FCFs.

**| 2. Operational Check Flights (OCF).**

2.1. OCFs are determined by the requirements outlined in TCTOs and/or the 1C-5A-2 and -6 technical orders or as directed by the MXG/CC. Whenever possible, the Plans Scheduling and Documentation (PS&D) supervisor will provide operations with at least 24 hours notification to ensure a smooth transition for scheduling and attaining the most qualified aircrew to complete the required checks.

2.2. Coordination between the following sections is vital to the OCF program.

2.2.1. The QA supervisor will be the focal point for contact between the maintenance and operations group and will establish timely briefings with operations to discuss the requirements of the OCF.

2.2.2. The Operations Standardization/Evaluation section will provide the most qualified aircrew to accomplish the OCF and will meet with the QA supervisor to discuss the requirements of the OCF.

2.2.3. The Aircraft Maintenance Squadron or Maintenance Squadron superintendent (as applicable) will evaluate aircraft maintenance activities to determine if an OCF is required before returning the aircraft to regular service. Additionally, he or she will provide information on all maintenance and repair actions and provide the most qualified technician to discuss affected systems.

2.2.4. The PS&D supervisor will coordinate and schedule OCFs with the OG.

2.3. Aircraft being recovered from cannibalization status and/or Contract Field Team repair will be evaluated to determine if an FCF or OCF is indicated based on the type and degree of maintenance.

WALLACE W. FARRIS, JR., USAFR  
Commander