

► This RA has been substantially re-written; for clarity no change marks are presented – please read RA in entirety ◀

RA 2220 – Maintenance Test Flights

Rationale *Flight Tests are conducted to confirm the performance, mission effectiveness or handling qualities and to perform diagnostic analysis of an Air System following maintenance. Before the Air System is confirmed as serviceable there is an increased Risk to Life and therefore the conduct of a Flight Test requires specific competency and authorization.*

Contents

2220(1): The Flight Test Schedule

2220(2): Aircrew Competency and Authorization for Flight Tests

Regulation 2220(1)

The Flight Test Schedule

2220(1) Flight testing **shall** be carried out in accordance with the Flight Test Schedule (FTS).

Acceptable Means of Compliance 2220(1)

The Flight Test Schedule

1. Both Maintenance Test Flights (MTF) and Partial Test Flights (PTF) **should** be conducted in accordance with the FTS for the Air System.
2. MTF **should not** be flown while the Air System is under a period of continuous charge.
3. PTF **should not** be flown while the Air System is under a period of continuous charge unless the aircrew can confirm component or system serviceability.

Guidance Material 2220(1)

The Flight Test Schedule

4. A MTF is conducted to confirm the performance and serviceability of an Air System and will encompass the full FTS.
5. A PTF is conducted to confirm the performance and serviceability of an Air System related to specific maintenance activity. The content of the PTF will involve selected elements of the FTS as required.
6. An Airborne Check (AC) or Taxi Check (TC) is an engineering requirement not covered by the FTS, or where the testing of the system or component in accordance with the FTS is deemed inappropriate.

Regulation 2220(2)

Aircrew Competency and Authorization for Flight Tests

2220(2) Aviation Duty Holders (ADH) and Accountable Managers (Military Flying) (AM(MF)) **shall** establish and promulgate in Orders the Suitably Qualified and Experienced Person (SQEP) and authorization requirements for the conduct of Flight Tests.

Acceptable Means of Compliance 2220(2)

Aircrew Competency and Authorization for MTF/PTF

7. ADH and AM(MF) **should** maintain a record of all aircrew assessed as SQEP to conduct Flight Tests.
8. Flight tests **should** normally be conducted during the day and in Visual Meteorological Conditions. ADH and AM(MF) **should** establish and define additional orders for flight tests that take place at night or in Instrument Meteorological Conditions.

**Guidance
Material
2220(2)**

Aircrew Authorization for MTF and PTF

9. For authorization purposes an AC or TC is not considered to be a Flight Test.