

14 Sep 64

AIRCRAFT ENGINE RUN-UPS AUTHORIZATION OF GROUND PERSONNEL

(This EO replaces EO 00-50-16 dated 24 Jul 63)

PURPOSE

1 This Engineering Order will outline the conditions under which ground crew personnel may be authorized to do engine run-ups, and is designed specifically to clarify the provisions of CAP 100, para. 107.01.

AUTHORIZED PERSONNEL

2 The starting or running-up of fixed wing aircraft on land is to be confined to the following technical personnel providing they are qualified by virtue of ON THE JOB training on the type and their qualifications are recorded in accordance with CAP 471, Vol. 1, Chap 3.

- (a) Aero Engine Technicians, group 2 and above.
- (b) Flight Engineers.
- (c) Airframe Technicians of the rank of sergeant and above.
- (d) Airframe Technicians below the rank of sergeant but qualified to crewman or flight technician standards.
- (e) Group 2 Technicians of the Mech Air (Aux) Trade and Flight Line Supts in the Auxiliary. Authorization is to be through the Senior Aeronautical Engineering Officer on an "as required basis" for carrying out unit commitments.

NOTE

Officers of the technical list who consider themselves competent to do so may start or run-up fixed wing aircraft on land.

WARNING

The ground running of engine(s) of a nuclear weapons loaded aircraft except by the assigned pilot is prohibited.

QUALIFICATIONS

3 Qualifications as referred to in the foregoing are to consist of a thorough knowledge of run-up procedure on the particular engine type and familiarity with the requirements of CAP 100, paragraphs 107.02 - .09, and EO 10A-1-1J and additional knowledge as prescribed by the Chief Technical Services Officer. A qualification test is to be conducted under the supervision of the Unit Technical Officer or personnel delegated by him in each case before authorization is granted.

VALIDITY

4 Authorization as granted above is in each case to be confined to a particular engine type although authorization may be granted for a number of engine types provided the necessary qualifications are met. Authorization is to be valid during the individual's tour at the unit at which authorization was granted, providing no continuous employment on clerical, supply or other non-technical duties, is engaged in, subsequent to qualifications. Continuous employment is to include any period of six months or more.

5 On posting, personnel are to be re-authorized after having proven their qualification to the satisfaction of the Unit Technical Officer at their new unit.

6 When personnel are qualified in accordance with paragraph 3 the information is to be entered on their Unit Employment Record Card as detailed in CAP 471, Vol. 3. The type of engines to which authorization is restricted are also to be shown. No personnel are to attempt engine starts or run-ups until this action is completed.

7 Maintenance wing orderly rooms shall maintain a current list of tradesmen qualified for engine run-up in accordance with the preceding paragraphs of this order.

8 The foregoing requirements are to apply in addition to those listed for qualifications for crewman as detailed in CAP 471, Vol. 3. Authorization for personnel qualified within the scope of this Order is to be limited to land based aircraft only. No person other than a pilot (see CAP 100, 102.02), experienced on the type, shall start or run-up the engine of a helicopter, or an aircraft afloat. Nor shall any person other than a pilot, taxi or compass swing a fixed wing aircraft.

NOTE

Exempt from above instructions with regard to fixed wing aircraft, are NCO supervisory instructional staff, who in the course of their duties are required to taxi ground training or instructional written down aircraft.

WARNING

Only the assigned pilot is authorized to be in the cockpit of a nuclear weapons loaded aircraft during taxi or towing operations.

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

Prepared by:
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