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Maintenance

A/OA-10 AIRCRAFT ENGINE OPERATION



COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction implements Air Force Policy Directive (AFPD) 21-1, *Managing Aerospace Equipment Maintenance*. It establishes the procedures and safety precautions for the operation of A/OA-10 aircraft engines. These procedures and precautions apply to all maintenance personnel assigned to the 442d Logistics Group and the 442d Operations Group. Supervisors, superintendents, and flight chiefs are responsible for ensuring compliance with this instruction.

SUMMARY OF REVISIONS

This revision converts A/OA-10 Aircraft Engine Operation 442 LG OI 21-29, 22 November 1995 to a fighter wing instruction due to crossing functional lines. The format has been updated and includes the antecedent policy directive and current references. A (I) indicates revisions from the previous edition.

1. Procedures:

- 1.1. The Fighter Squadron Maintenance (FSM) flight line Expeditor will request clearance from the Maintenance Control Function (MCF) prior to all engine runs. MCF will be provided with the start/stop time and estimated duration of the engine run.
- 1.2. Radio contact will be established with ground control prior to engine start and monitored during the engine run operations. Ground control will be notified when the engine run is completed.
- 1.3. A qualified individual will perform the duties of ground controller/fire guard.
- 1.4. Prior to engine starts, a Foreign Object Damage (FOD) Inspection of the engine inlet and ramp will be performed. This inspection is to include a security check of all aircraft access panels forward of the engine inlets.
- 1.5. Engines will not be simultaneously operated above 70 percent on the aircraft parking ramp without prior approval of the 442 OG Commander or his authorized representative. Operation of the

engine above 85 percent will not be performed without the use of the aircraft restraining bridle unless a qualified A/OA-10 pilot is performing the engine run.

2. Training:

2.1. Personnel selected to perform engine runs are required to complete the following training in accordance with AFI 11-218/ACC1, *Aircraft Operation and Movement on the Ground*, to include Phase I, Phase II and Phase III for initial certification, annual recertification, 60 day trim run proficiency and 90 day proficiency. The recertification will include reaccomplishing Phase III that includes a 35 question test, administered by the 442 LSS Training Management Office, and a practical evaluation conducted by a certified Engine Run Instructor. The 60 day trim run and 90 day proficiency run is required for all engine run certified personnel, and will be tracked by the flight line Expeditor and recorded on the engine run log.

2.2. Initial certification and annual recertification training will be documented on an AF Form 2426, **Training Request and Completion**, and in the Core Automated Maintenance System (CAMS).

2.3. Sixty day proficiency will be tracked by the flight line Expeditor and recorded on the engine run log. This log will contain the names of personnel who have performed engine runs and the date the run was accomplished. A copy of this log will be provided to the 442d Logistics Support Training Section (LGLOT) on a weekly basis.

CHARLES E. STENNER, JR., Col, USAFR
Commander

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

AFPD 21-1--*Managing Aerospace Equipment Maintenance*

AFI 11-218/ACC1--*Aircraft Operation and Movement on the Ground*