



Flight Safety Notification

Airworthiness

Flight Safety Notifications (FSNs) are not mandatory in nature, but provide means such as guidance, methods, procedures and practices acceptable to the Authority for complying with regulations and other requirements in a systematic manner. These are not necessarily the only means of compliance. FSNs may also contain explanations of regulations, other guidance material, best practices or information useful to the aviation community. Unless incorporated into a regulation by reference, FSNs are not regulatory and do not create or change a regulatory requirement. A change of a regulatory requirement may come in the form of a Directive. A Flight Safety Notification is not a Directive.

Training, Qualification and Certification of Aircraft and Aircraft Part Welders

Reason for Revision

N/A

Purpose

This Flight Safety Notification (FSN) contains recommendations for the experience, training, qualification, examination and certification of personnel who carry out welding on aircraft, engines, propellers, accessories and other aviation components. Criteria are recommended for the qualification of personnel requiring appropriate knowledge of the technical principles underlying the welding tasks they perform.

References

Civil Aviation Regulations

- (1) Schedule 6.065 (c)
- (2) Schedule 8.545 (d), (3)

Applicability

This document applies to all individuals directly responsible for the technical adequacy of welding tasks and the processes used as well as those persons or organizations providing training, supervision or oversight of personnel who carry out aircraft welding. Organizations should have a written program describing the guidelines used to train, qualify and certify aircraft and aircraft parts welders.

Background

Welding is a class of maintenance not covered by JCAR's personnel licensing requirements of Schedule 8. An Approved Maintenance Organization (AMO) certified in accordance with the Sixth Schedule of the Civil Aviation Regulations may issue an authorization to employees to provide maintenance certification for welding tasks or processes. The AMO can only utilize the services of welders if their Maintenance Procedures Manual (MPM) contains procedures for confirming the qualifications of the welders and sourcing or providing any training required for the welder in accordance with this FSN.

Approved Maintenance Organization Procedures



An approved maintenance organization that engages in welding activities shall have written procedures in its maintenance procedures manual that establishes its own effective system of control. It shall include procedures for the following but is not limited to:

- (1) The minimum personnel qualifications and training requirements, inclusive of; basic vocational or guided training in welding and specifically aircraft welding techniques.
- (2) The minimum personnel experience requirements.
- (3) The retention personnel training and approval records.
- (4) The retention of sample test results.
- (5) The requirements for the revalidation of welding approval.
- (6) The requirements for CRS following any welding procedure in accordance JCAA accepted standards.

Recommended Trade Standards for Qualification

- (1) Individuals who are directly responsible for the technical adequacy of welded tasks shall:
 - (a) Have completed the required On the Job Training with an appropriately certified organization.
 - (b) Meet the criteria set forth in the following or similar standards:
 - (i) UK CAA CAP 553, Chapter A8-10
 - (ii) AWS D17.1 (American Welding Society D17.1)
- (2) Other standards or alternative methods of qualification and certification may be satisfactory if found acceptable by the JCAA.

NOTE: This document is intended as a guideline for organizations to establish their own written practice for the qualification of personnel who accomplish welding tasks. It is not intended to be used as one.

Approved by:  

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