

[AWS D17.1 Specification for Fusion Welding for Aerospace Applications](#)

Quick Review Guide:

AWS D17.1, 5.2 Welding Procedure Qualification:

Guideline for contents and method of welding procedure for typical welding processes covered by this section.

(See [AWS D17.1, Table 5.1, Table 5.2 and Table 5.3](#))

Note: The final decision on specific format and content shall be at the discretion of the Engineering Authority.

AWS D17.1, 1.4 Classifications:

All welds produced in accordance with this specification shall be classified on the engineering drawings as **Class A, B or C**. These classifications refer to level of inspection required and to the acceptance criteria.

AWS D17.1, 5.2.2 Procedures for Class A and B welds shall be qualified. WPS for Class C welds and Tack welds do not require procedure qualification. With the approval of the Engineering Authority, [AWS B2.1](#) may be used for welding procedure qualification.

(See [AWS D17.1, 5.2.2.3 for Alternate Methods of Procedure Qualification](#))

AWS D17.1, 5.2.2.2 Test Methods for WPS Qualification (PQR) are provided in **Table 5.3**. Test results shall be recorded in PQR.

Suggested WPS and PQR forms are provided in AWS D17.1, **Annex G**. Clause 5.3.6 stated that these forms can be modified as required to meet the requirements of the welding procedure and manufacturing facility.

[WeldCanada.com](#) online forms (WPS, PQR) are similar to suggested forms by the AWS D17.1

Use essential variables guidelines of [AWS D17.1](#) code (provided here in both forms), and complete your procedure.