



AWS D17.1 Interpretation

Subject: Qualification Limitations
Code Edition: D17.1:2001
Code Provision: Paragraph 4.3.7.5 and 4.3.7.6
AWS Log: D17.1-01-I03

Inquiry: When a special application qualification is performed per para 4.3.7.5 are the limitations stated by para 4.3.7.6 imposed on the qualification, or is para 4.3.7.5 a standalone requirement with the qualification specific to the special application test?

Proposed Reply

Define if Para 4.3.7.6 is a requirement for special applications.

Response: No. 4.3.7.6 is not a requirement for special applications.

Yes. 4.3.7.5 is a standalone paragraph.

AWS D17.1:2001, *Specification for Fusion Welding for Aerospace Applications*, is prepared by the AWS Welding in the Aircraft and Aerospace Industry Committee. Because AWS D17.1:2001 is written in the form of a specification, it cannot present background material or discuss the committee's intent.

Since the publication of the first edition of AWS D17.1:2001, the nature of inquiries directed to the American Welding Society and the Aircraft and Aerospace Committee has indicated that there are some requirements in AWS D17.1:2001 that are either difficult to understand or not sufficiently specific, and other that appear to be overly conservative.

It should be recognized that the fundamental premise of AWS D17.1:2001 is to provide general stipulations applicable to any situation and to leave sufficient latitude for the exercise of engineering judgment. Another point to be recognized is that AWS D17.1:2001 represents the collective experience of the committee; and, while some provisions may seem overly conservative, they have been based on sound engineering practice.