



AWS D17.1 Interpretation

Subject: Special Application Qualification Range
Code Edition: D17.1:2001
Code Provision: Paragraph 4.3.7.5 and 4.3.3.1
AWS Log: D17.1-01-I05

Inquiry: When the “Special Application” provision of paragraph. 4.3.7.5 is invoked, can the provisions of paragraph 4.3.3.1 “Qualified Thickness Range” (0.67T – 4T) be applied.

Response: No.

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.