



## AWS D1.1 Interpretation

**Subject:** Qualification of Multiple Welding Processes  
**Code Edition:** D1.1-90  
**Code Provision:** Subsection 5.5  
**AWS Log:** I-9/91-10-03

**Inquiry:**

- (1) Can one or more welding processes be deleted from a qualified welding procedure in accordance with AWS D1.1, subsection 5.5, if each of the essential variables for each of the remaining processes is maintained?
- (2) Based on a qualified welding procedure involving a GMAW root pass, SMAW backweld, and SAW fill and cap passes; [can this WPS] be separated into a component parts to qualify other WPSs, as shown in the Inquiry letter?

**Response:**

- (1) No.
- (2) No, the acceptance or rejection of specific WPSs is beyond the authority of the D1 Committee.

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AWS D1.1, Structural Welding Code—Steel, is prepared by the AWS Structural Welding Committee. Because the Code 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 the Code, the nature of inquiries directed to the American Welding Society and the Structural Welding Committee has indicated that there are some requirements in the Code 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 the Code 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 the Code represents the collective experience of the committee; and, while some provisions may seem overly conservative, they have been based on sound engineering practice.