



AWS D1.5 Interpretation

Subject: Ultrasonic (UT) Procedures – Transducer Angle
Code Edition: D1.5:2002
Code Provision: Table 6.2
AWS Log: D1.5-02-I04

Inquiry: (1) Is it the intent of the code that only the top quarter of the weld is to be tested with a 60 degree transducer angle, with the sound coming from Face B, and that any indications detected in the middle half and the bottom quarter with the 60 degree transducer angle are to be considered irrelevant?
(2) Also, is it the intent of the code that any indications detected with the 70 degree transducer angle in the top quarter of the weld are to be considered irrelevant?

Response: (1) Yes, indications are irrelevant. Acceptance/rejection criteria should be based on procedures outlined in the code.
(2) Yes, indications are irrelevant. Acceptance/rejection criteria should be based on procedures outlined in the code.

AASHTO/AWS D1.5, Bridge Welding Code, 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.