AWS D1.1 Interpretation

Subject: Visual Inspection of Studs
Code Edition: D1.1:2004
Code Provision: Subclause 7.5.5
AWS Log: D1.1-04-I03

Inquiry: Are studs that are welded using the SMAW, GMAW, or FCAW processes subject to the visual inspection requirements of paragraph 5.26, Figure 5.4, and the visual acceptance criteria listed in Table 6.1?

Response: Studs welded using an approved welding process as listed in Clause 7.5.5 must meet the fillet weld profile requirements of Clause 5.24 and the requirements of Table 6.1 Visual Inspection Acceptance Criteria for the applicable service conditions (static, cyclic, or tubular). Visual inspection of hand-welded studs is specified in Clause 7.5.5.7 (this clause in turn refers to Clause 6.6.1 which refers to Table 6.1 which references to Clause 5.2.4.)