AWS D1.1 Interpretation

Subject: Single-V-Groove Butt Joints and Groove Type Qualification
Code Provision: Table 4.5 Variable Nos. 31 & 32 and Subclause 4.9
AWS Log: D1.1-06-I11b

Inquiry:

1. Does a WPS qualified using a Single-V-Groove CJP Butt joint qualify for all other joints in conformance with 3.12 or 3.13 regardless of joint design, except for square groove joints as listed in essential variable 32, even if they require CVN testing?

2. Does the requirement of Section 4.9.1.1 supersede the essential variable 31 and require the WPS be qualified with the same groove configuration to be used in construction as written in the code?

3. Is it acceptable to allow previously qualified Single-V-Groove CJP butt joints to qualify single-bevel CJP T & Corner joints?

Response:

1. Yes.

2. Yes, for nontubular connections qualified by test.

3. Yes, except for CJP groove welds for nontubular connections (see 4.9.1.1).