



## AWS Errata Sheet

The following Errata have been identified and will be incorporated into the next reprinting of this document.

AWS Standard: AWS D17.1/D17.1M:2010, Specification for Fusion Welding for Aerospace Applications

Page 7—**5.2.1 Physical Requirements.**—*Correct* “Alternately, the fabricator may establish other reasonable and appropriate physical requirements for welders and welding operators.” to “In addition, the fabricator may establish other reasonable and appropriate physical requirements for welders and welding operators.”

Page 9—**Figure 5.1, S.S. No.**—*Remove* “S.S. No.” from the top of the suggested test record form.

Page 11—**Table 5.2, Samples of Alloys Contained in Material Groups I through VIII<sup>a</sup>**—*Correct* “Ti-6Al-4V 2/” to “Ti-6Al-4V<sup>c</sup>”

Page 18—**Figure 5.7, 8[200]**—*Remove* “ ‘ “ after “8[200]”

Page 18—**Figure 5.7, Note**—*Correct* “Suggested dimension” to “Where member differ in thickness more than 10% of the thicker member, the cap sheet shall be the thicker member”

Page 18—**Figure 5.7, Footnote a**—*Correct* “Where member differ in thickness more than 10% of the thicker member, the cap sheet shall be the thicker member” to “Suggested dimension”

Page 22—**5.4.2 Procedure Qualification, Numbering sequence**—*Correct* “(8) filler metal used” to “(9) filler metal used”, “(9) joint design” to “(10) joint design”, “(10) electrical characteristics” to “(11) electrical characteristics”, “(11) preheat requirements” to “(12) preheat requirements”, “(12) postweld heat requirements” to “(13) postweld heat requirements”, and “(13) other variables required by the Engineering Authority” to “(14) other variables required by the Engineering Authority”

Page 26—**Table 6.1, Gas Requirements<sup>a</sup>**—*Correct* Oxygen Specification “B-O-925” to “BB-O-925”

Page 34—**Table 7.1, Mismatch Between members after Welding**—*Correct* “Refer to Paragraph 6.14.4 & Figure 6.2 Includes A, B & C Class of Welds” to “Refer to Paragraph 7.5.2.1 & Figure 7.2 Includes A, B, & C Class of Welds”



Page 35—**Table 7.1, Acceptance Criteria in [mm], Discoloration<sup>b</sup>—Titanium, Green, Class B**—Correct “Acceptance<sup>a</sup>” to “Acceptance<sup>c</sup>”

Page 35—**Table 7.1, Acceptance Criteria in [mm], Discoloration<sup>b</sup>—Titanium, Green, Class C**—Correct “Acceptance<sup>a</sup>” to “Acceptance<sup>c</sup>”

Page 36—**Figure 7.1, WIDTH OF WELD FACE OR INDIVIDUAL SURFACE BEAD, W**—Correct “W > **5 / 16** in. TO W < 1 in [25mm]” to “W > **5 / 16** in [**8mm**] TO W < 1 in [25mm]”

Page 36—**Figure 7.1, Footnote a**—Correct “<sup>a</sup> Refer to 4.3.8.2” to “<sup>a</sup> Refer to 5.3.8.2”

Page 37—**Figure 7.2, Extra horizontal line within table**—Remove horizontal line between “OFW, SMAW, GTAW, GMAW” and “PAW, VP-PAW, FCAW, SAW”

Page 42—**9.2.4.4 NDE of Nonflight Hardware, (3) Class C Inspection (for structural welds only)**—Correct “All Class C inspections require only the visual inspection described in 9.6.3.” to “All Class C inspections require only the visual inspection described in 9.2.4.3.”

Page 49—**Figure A.1(d), Missing horizontal line within table**—Add horizontal line between “PAW<sup>a</sup>” and “GMAW FCAW SAW”

Page 58—**Table A.1, Comparable Fillet Weld Size for Same Strength (in[mm])**—Correct “1.23 [21.2]” to “1.23 [31.2]”

Page 62—**Table C.1, Base Metal Group**—Correct “Ia” to “IA”, “Ib” to “IB”, “IIa” to “IIA”, “IIb” to “IIB”, “IIIb” to “IIIB”

Page 62—**Table C.1, Unified Number & Common Description**—Remove “S15500 & 15-5PH stainless steel”, “S17400 & 17-4PH stainless steel”, “S35000 & AM350 PH stainless steel”, “S35500 & AM355 PH stainless steel”, “S4500 & Custom 450”, “S45500 & Custom 455”

Page 65—**Table C.3, Missing line within table**—Add vertical line between “T1” and “W”, “Max.” and “Min.”, and “6” and “7”

Page 82—**G4.14 Welding and Weldments**—Correct “Figure 6.2 dictates maximum mismatch at the completed weld joint.” to “Figure 7.2 dictates maximum mismatch at the completed weld joint.”