

## Standards Manager Web Standards List

### AWS-American Welding Society

| <b>Id</b> | <b>Number</b>        | <b>Title</b>   | <b>Year</b> | <b>Organization</b> | <b>Page</b> |
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| 1         | A5.14/A5.14M         | Specification for Nickel and Nickel-Alloy Bare Welding Electrodes and Rods   | 2024        | AWS                 | 0           |
| 2         | C3.11M/C3.11         | Specification for Torch Soldering  | 2024        | AWS                 |             |
| 3         | D17.1/D17.1M         | Specification for Fusion Welding for Aerospace Applications  | 2024        | AWS                 |             |
| 4         | A5.12M/A5.12         | Specification for Tungsten and Oxide Dispersed Tungsten Electrodes for Arc Welding and Cutting (ISO 6848:2004 MOD)   | 2024        | AWS                 |             |
| 5         | D14.0/D14.0M         | Machinery and Equipment Welding Specification  | 2024        | AWS                 |             |
| 6         | A5.21/A5.21M         | Specification for Bare Electrodes and Rods for Surfacing   | 2024        | AWS                 |             |
| 7         | B2.1/B2.1M<br>ERRATA | Specification for Welding Procedure and Performance Qualification  | 2023        | AWS                 |             |
| 8         | A5.18/A5.18M         | Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding  | 2023        | AWS                 | 0           |
| 9         | B2.4                 | Specification for Welding Procedure and Performance Qualification for Thermoplastics   | 2023        | AWS                 | 0           |
| 10        | C2.19/C2.19M         | Specification for the Application of Thermal Spray Coatings to Machine Elements for OEM and Repair - 1st Edition   | 2023        | AWS                 | 0           |
| 11        | A5.3/A5.3M           | Specification for Aluminum and Aluminum Alloy Electrodes for Shielded Metal Arc Welding  | 2023        | AWS                 | 0           |
| 12        | A5.16/A5.16M         | Specification for Titanium and Titanium Alloy Welding Electrodes and Rods  | 2023        | AWS                 | 0           |
| 13        | A5.24/A5.24M         | Specification for Zirconium and Zirconium-Alloy Welding Electrodes and Rods  | 2023        | AWS                 | 0           |
| 14        | A5.10/A5.10M         | Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods   | 2023        | AWS                 |             |
| 15        | D15.2/D15.2M         | Recommended Practices for the Welding of Rails and Related Rail Components for Use by Rail Vehicles  | 2022        | AWS                 | 0           |
| 16        | B2.1-5A-222          | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER90S-B3, 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 3/4 in. Thick, PWHT  | 2022        | AWS                 |             |
| 17        | B2.1-5A-223          | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER9018-B3, 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 1-1/2 in. Thick,  | 2022        | AWS                 |             |
| 18        | B2.1-5A-224          | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 | 2022        | AWS                 |             |
| 19        | B2.1-5A-225          | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 3/4 i | 2022        | AWS                 |             |
| 20        | B2.1-5A-226          | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick, | 2022        | AWS                 |             |
| 21        | D8.9M                | Test Methods for Evaluating the Resistance Spot Welding Behavior of Automotive Sheet Steel Materials   | 2022        | AWS                 | 0           |
| 22        | G1.6                 | Specification for the Training, Qualification, and Company Certification of Thermoplastic Welding Inspector Specialists and Thermoplastic Welding Inspector Assistants   | 2022        | AWS                 | 0           |
| 23        | A5.5/A5.5M           | Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding  | 2022        | AWS                 | 0           |
| 24        | A5.9/A5.9M           | Specification for Bare Stainless Steel Welding Electrodes and Rods   | 2022        | AWS                 | 0           |
| 25        | A5.28/A5.28M         | Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding   | 2022        | AWS                 | 0           |
| 26        | A5.29/A5.29M         | Specification for Low-Alloy Steel Electrodes for Flux Cored Arc Welding  | 2022        | AWS                 | 0           |
| 27        | A5.30/A5.30M         | Specification for Consumable Inserts   | 2022        | AWS                 | 0           |
| 28        | A5.31M/A5.31         | Specification for Fluxes for Brazing and Braze Welding   | 2022        | AWS                 | 0           |
| 29        | C3.6M/C3.6           | Specification for Furnace Brazing  | 2022        | AWS                 | 0           |
| 30        | C4.4/C4.4M           | Recommended Practices for Heat Shaping and Straightening with Oxyfuel Gas Heating Torches  | 2022        | AWS                 | 0           |
| 31        | D14.9/D14.9M         | Specification for the Welding of Hydraulic Cylinders   | 2022        | AWS                 | 0           |

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| 32 | B2.1/B2.1M-BMG | Base Metal Grouping for Welding Procedure and Performance Qualification   | 2021 | AWS | 0   |
| 33 | A5.10/A5.10M   | Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods  | 2021 | AWS | 54  |
| 34 | A5.29/A5.29M   | Specification for Low-Alloy Steel Electrodes for Flux Cored Arc Welding   | 2021 | AWS | 60  |
| 35 | D17.3/D17.3M   | Specification for Friction Stir Welding of Aluminum Alloys for Aerospace Applications   | 2021 | AWS | 58  |
| 36 | B2.1/B2.1M     | Specification for Welding Procedure and Performance Qualification   | 2021 | AWS |     |
| 37 | D8.8M          | Specification for Automotive Weld Quality - Arc Welding of Steel  | 2021 | AWS | 30  |
| 38 | A5.13/A5.13M   | Specification for Surfacing Electrodes for Shielded Metal Arc Welding   | 2021 | AWS | 44  |
| 39 | A5.23/A5.23M   | Specification for Low Alloy Steel Electrodes and Fluxes for Submerged Arc Welding   | 2021 | AWS | 40  |
| 40 | C6.2/C6.2M     | Specification for Friction Welding of Metals  | 2021 | AWS | 30  |
| 41 | D8.10M         | Specification for Automotive Weld Quality - Laser Beam Welding of Steel   | 2021 | AWS | 40  |
| 42 | D16.2M/D16.2   | Guide for Components of Robotic and Automatic Arc Welding Installations   | 2021 | AWS | 40  |
| 43 | Z49.1          | Safety in Welding, Cutting and Allied Processes   | 2021 | AWS | 72  |
| 44 | A5.18/A5.18M   | Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding   | 2021 | AWS | 48  |
| 45 | D8.1M          | Specification for Automotive Weld Quality-Resistance Spot Welding of Steel  | 2021 | AWS | 42  |
| 46 | D10.10/D10.10M | Recommended Practices for Local Heating of Welds in Piping and Tubing   | 2021 | AWS | 124 |
| 47 | D10.22/D10.22M | Specification for Local Heating of Welds in Creep Strength-Enhanced Ferritic Steels in Piping and Tubing Using Electric Resistance Heating  | 2021 | AWS | 44  |
| 48 | A5.20/A5.20M   | Specification for Carbon Steel Electrodes for Flux Cored Arc Welding  | 2021 | AWS | 56  |
| 49 | A5.32M/A5.32   | Welding Consumables - Gases and Gas Mixtures for Fusion Welding and Allied Processes  | 2021 | AWS | 40  |
| 50 | D16.5M/D16.5   | Training Guide for Robotic Arc Welding Personnel  | 2021 | AWS | 98  |
| 51 | G2.4/G2.4M     | Guide for the Fusion Welding of Titanium and Titanium Alloys  | 2021 | AWS | 68  |
| 52 | B2.1-1-018     | Standard Welding Procedure Specification (WPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E71T-8, As-Welded Condition Site License       | 2021 | AWS | 35  |
| 53 | B2.1-4-217     | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), ER80S-B2, 1/8 Through 1/2 in. Thick As-Welded Condition, 1/8 Through 3/4 in. Th | 2021 | AWS | 29  |
| 54 | B2.1-4-218     | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), E8018-B2, 1/8 Through 1/2 in. Thick As-Welded Condition, 1/8 Through 1-1/2 in | 2021 | AWS | 29  |
| 55 | B2.1-4-219     | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), 1/8 Through 1/2 in. Thick, As-Welded Con | 2021 | AWS | 33  |
| 56 | B2.1-4-220     | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), E8018-B2, 1/8 Through 1/2 in. Thick, As-Welded Condi   | 2021 | AWS | 33  |
| 57 | B2.1-4-221     | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), 1/8 Through 1/2 | 2021 | AWS | 33  |
| 58 | D1.8/D1.8M     | Structural Welding Code - Seismic Supplement  | 2021 | AWS | 148 |
| 59 | B2.5           | Specification for Measurement of Welding Power Source Output for Calculation of Welding Procedure Heat Input  | 2021 | AWS | 0   |
| 60 | F4.2           | Safety Guidelines for Proper Selection of Welding Cables  | 2020 | AWS | 24  |
| 61 | QC20           | Specification for AWS Certification of Resistance Welding Technicians   | 2020 | AWS | 22  |
| 62 | A5.26/A5.26M   | Specification for Carbon and Low-Alloy Steel Electrodes for Electrode Gas Welding   | 2020 | AWS | 40  |
| 63 | A5.28/A5.28M   | Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding  | 2020 | AWS | 66  |
| 64 | A5.39/A5.39M   | SPECIFICATION FOR FLUX AND ELECTRODE COMBINATIONS FOR SUBMERGED ARC AND ELECTROSLAG JOINING AND SURFACING OF STAINLESS STEEL AND NICKEL ALLOYS  | 2020 | AWS | 62  |
| 65 | C3.8M/C3.8     | Specification for the Ultrasonic Pulse-Echo Examination of Brazed Joints  | 2020 | AWS | 32  |

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| 66 | C3.9M/C3.9   | Specification for Resistance Brazing  | 2020 | AWS | 32  |
| 67 | D1.5M/D1.5   | Bridge Welding Code   | 2020 | AWS | 510 |
| 68 | D18.1/D18.1M | Specification for Welding of Austenitic Stainless Steel Tube and Pipe Systems in Sanitary (Hygienic) Applications   | 2020 | AWS | 48  |
| 69 | B2.1-1/8-323 | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding of Carbon Steel (S-1) to Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-309 ER309L, in the As-Welded Condition,  | 2020 | AWS | 40  |
| 70 | B2.1-1/8-324 | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Shielded Metal Arc Welding of Carbon Steel (S-1) to Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-309-XX and MIL-309L-XX, in the As-Wel  | 2020 | AWS | 38  |
| 71 | B2.1-1/8-325 | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (S-1) to Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3 | 2020 | AWS | 44  |
| 72 | B2.1-1-001   | Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 3/16 inch [5 mm] through 3/4 inch [19 mm] Thick, E7016 and E7018, in the As-Welded Condition, Primarily Plate and Structural Applicatio | 2020 | AWS | 32  |
| 73 | B2.1-1-002   | Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 3/16 inch [5 mm] through 7/8 inch [22 mm] Thick, ER70S-2 and ER70S-3, in the As-Welded Condition, Primarily Plate and Structural Applicat | 2020 | AWS | 32  |
| 74 | B2.1-1-232   | Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Gas Metal Arc Welding (Short Circuiting Transfer Mode) followed by 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel             | 2020 | AWS | 32  |
| 75 | B2.1-1-233   | Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Gas Metal Arc Welding (Short Circuiting Transfer Mode) followed by 98% Argon Plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel | 2020 | AWS | 32  |
| 76 | B2.1-1-303   | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70S-2 and MIL-7018-M, in the As-Weld  | 2020 | AWS | 40  |
| 77 | B2.1-1-313   | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70S-2 and MIL-7018-M, in the As-Welde | 2020 | AWS | 44  |
| 78 | B2.1-8-310   | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX and MIL-3XX-XX, in  | 2020 | AWS | 40  |
| 79 | B2.1-8-320   | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX and MIL-3XX-XX, in  | 2020 | AWS | 40  |
| 80 | A3.0M/A3.0   | Standard Welding Terms and Definitions - Including Terms for Adhesive Bonding, Brazing, Soldering, Thermal Cutting, and Thermal Spraying  | 2020 | AWS | 190 |
| 81 | D1.1/D1.1M   | Structural Welding Code   | 2020 | AWS | 664 |
| 82 | A5.34/A5.34M | Specification for Nickel-Alloy Electrodes for Flux Cored ArcWelding   | 2020 | AWS | 44  |
| 83 | J1.3/J1.3M   | Guide to Installation and Maintenance of Resistance Welding Machines  | 2020 | AWS | 46  |
| 84 | A2.4         | Standard Symbols for Welding, Brazing, and Nondestructive Examination   | 2020 | AWS | 166 |
| 85 | A4.2M/A4.2   | Standard Procedures for Calibrating Magnetic Instruments to Measure the Delta Ferrite Content of Austenitic and Duplex Ferritic-Austenitic Stainless Steel Weld Metal   | 2020 | AWS | 54  |
| 86 | A4.5M/A4.5   | Standard Methods for Classification Testing of Positional Capacity and Root Penetration ofWelding Consumables in a FilletWeld   | 2020 | AWS | 26  |
| 87 | C3.14M/C3.14 | Standard Method for Evaluation of Brazed Joints Using Visual and Metallographic Techniques  | 2020 | AWS | 46  |
| 88 | D14.4/D14.4M | Specification for the Design of Welded Joints in Machinery and Equipment  | 2019 | AWS | 124 |

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| 89  | F2.3M             | Specification for Use and Performance of Transparent Welding Curtains and Screens   | 2019 | AWS | 26  |
| 90  | D3.9/D3.9M        | Specification for Classification of Weld-Through Paint Primers  | 2019 | AWS | 28  |
| 91  | D14.3/D14.3M      | Specification for Welding Earthmoving and Construction Equipment  | 2019 | AWS | 126 |
| 92  | D15.1/D15.1M      | Railroad Welding Specification for Cars and Locomotives   | 2019 | AWS | 260 |
| 93  | D20.1/D20.1M      | Specification for Fabrication of Metal Components using Additive Manufacturing  | 2019 | AWS | 106 |
| 94  | G2.3M/G2.3        | Guide for the Joining of Solid Solution Austenitic Stainless Steels   | 2019 | AWS | 112 |
| 95  | C1.1M/C1.1        | Recommended Practices for Resistance Welding  | 2019 | AWS | 132 |
| 96  | C1.5              | Specification for the Qualification of Resistance Welding Technicians   | 2019 | AWS | 22  |
| 97  | C3.2M/C3.2        | Standard Method for Evaluating the Strength of Brazed Joints  | 2019 | AWS | 48  |
| 98  | D1.5M/D1.5        | Bridge Welding Code - 7th Edition; Interim Revision   | 2019 | AWS | 23  |
| 99  | A5.01M/A5.01      | Welding Consumables Procurement of Filler Metals and Fluxes   | 2019 | AWS | 38  |
| 100 | A5.8M/A5.8        | Specification for Filler Metals for Brazing and Braze Welding   | 2019 | AWS | 64  |
| 101 | A5.17/A5.17M      | Specification for Carbon Steel Electrodes and Fluxes for Submerged Arc Welding  | 2019 | AWS | 42  |
| 102 | A5.34/A5.34M      | Specification for Nickel-Alloy Electrodes for Flux Cored Arc Welding  | 2019 | AWS | 46  |
| 103 | B2.1-1-201        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Uphill) Followed by E7018 (Vertical Uphill   | 2019 | AWS | 27  |
| 104 | B2.1-1-202        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Downhill) Followed by E7018 (Vertical Uphi   | 2019 | AWS | 27  |
| 105 | B2.1-1-203        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Uphill), As-Welded Condition (Primarily Pi   | 2019 | AWS | 27  |
| 106 | B2.1-1-204        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Downhill Root with the Balance Vertical Up   | 2019 | AWS | 27  |
| 107 | B2.1-1-205        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Uphill) Followed by E7018 (Vertical Uphi   | 2019 | AWS | 29  |
| 108 | B2.1-1-206        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Downhill) Followed by E7018 (Vertical Up   | 2019 | AWS | 29  |
| 109 | B2.1-1-207        | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, ER70S-2, As- Welded or PWHT Condition (Primarily Pipe Appl   | 2019 | AWS | 27  |
| 110 | B2.1-1-208        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E7018, As-Welded or PWHT Condition (Primarily Pipe Appli   | 2019 | AWS | 25  |
| 111 | B2.1-1-209        | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, ER70S-2 and E7018,  | 2019 | AWS | 29  |
| 112 | D17.2/D17.2M      | Specification for Resistance Welding for Aerospace Applications - 3rd Edition   | 2019 | AWS | 60  |
| 113 | B2.1-1-026        | Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010 (Vertical Downhill) Followed by E7018, in the As-Welded or PWHT Condition, Prima | 2018 | AWS | 33  |
| 114 | F3.2              | Ventilation Guide for Weld Fume - 2nd Edition   | 2018 | AWS | 44  |
| 115 | NAVSEA B2.1-1-301 | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70S-2, in the As-Welded or PWHT Condition, Primarily Plate and Structural Na | 2018 | AWS | 32  |
| 116 | B2.1-8-023        | Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8 Group 1) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, in the As-Welded Condition, Primarily Plate and Structural Applications - 2nd  | 2018 | AWS | 33  |
| 117 | NAVSEA B2.1-1-311 | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70S-2, in the As-Welded or PWHT Condition, Primarily Pipe for Naval Applicat | 2018 | AWS | 34  |

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| 118 | D1.5M/D1.5        | Bridge Welding Code - 7th Edition; Interim Revision   | 2018 | AWS | 29  |
| 119 | D16.6M/D16.6      | Specification for Robot Arc Welding Training and Testing Cell - 1st Edition   | 2018 | AWS | 36  |
| 120 | A5.2/A5.2M        | Specification for Carbon and Low-Alloy Steel Rods for Oxyfuel Gas Welding - 9th Edition   | 2018 | AWS | 32  |
| 121 | B2.1-1-016        | Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E7018, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications | 2018 | AWS | 33  |
| 122 | A5.11/A5.11M      | Specification for Nickel and Nickel-Alloy Welding Electrodes for Shielded Metal Arc Welding   | 2018 | AWS | 58  |
| 123 | A5.14/A5.14M      | Specification for Nickel and Nickel-Alloy Bare Welding Electrodes and Rods  | 2018 | AWS | 46  |
| 124 | B2.1-1-027        | Standard Welding Procedure Specification (WPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1/2 Inch Thick, E71T-11, As-Welded Condition Site License  | 2018 | AWS | 27  |
| 125 | B2.1-1-304        |   | 2018 | AWS | 33  |
| 126 | B2.1-1-304        |   | 2018 | AWS | 33  |
| 127 | B5.2              | Specification for the Qualification of Welding Inspector Specialists and Welding Inspector Assistants   | 2018 | AWS | 30  |
| 128 | C4.3/C4.3M        | Recommended Practices for Safe Oxyfuel Gas Heating Torch Operation - Third Edition  | 2018 | AWS | 42  |
| 129 | D1.3/D1.3M        | NULL  | 2018 | AWS | 106 |
| 130 | D9.1M/D9.1        | Sheet Metal Welding Code  | 2018 | AWS | 76  |
| 131 | D10.18M/D10.18    | Guide for Welding Ferritic/Austenitic Duplex Stainless Steel Piping and Tubing  | 2018 | AWS | 38  |
| 132 | F1.1M             | Method for Sampling Airborne Particulates Generated by Welding and Allied Processes   | 2018 | AWS | 40  |
| 133 | F3.2M/F3.2        | Ventilation Guide for Weld Fume   | 2018 | AWS | 44  |
| 134 | NAVSEA B2.1-1-305 | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70T-1 and MIL-71T-1, in the As-Weld | 2018 | AWS | 33  |
| 135 | C2.23M/C2.23      | Specification for the Application of Thermal Spray Coatings (Metallizing) of Aluminum, Zinc, and Their Alloys and Composites for the Corrosion Protection of Steel - 2nd Edition  | 2018 | AWS | 31  |
| 136 | B2.1-1-021        | Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-2 and E7018, in the As-Welded or PWHT Condi | 2018 | AWS | 33  |
| 137 | B2.1-1-316        | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Argon Plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70S-3, in the As-Welded or  | 2018 | AWS | 33  |
| 138 | B2.1-1-022        | Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010 (Vertical Uphill) Followed by E7018, in the As-Welded or PWHT Condition, Primari | 2018 | AWS | 33  |
| 139 | NAVSEA B2.1-8-309 | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX-XX, in the As-Welded Condition, Primarily Plate and Stru | 2018 | AWS | 31  |
| 140 | B2.1-1-317        | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70T-1 and MIL-71T-1, in the As-Weld | 2018 | AWS | 33  |
| 141 | NAVSEA B2.1-8-319 | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX-XX, in the As-Welded Condition, Primarily Pipe for Naval | 2018 | AWS | 33  |
| 142 | B2.1-1-314        | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-MS-1 and MIL-70S-2                               | 2018 | AWS | 30  |

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| 143 | B2.1-1-315            | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-MS-1 and MIL-70S-2                               | 2018 | AWS | 30  |
| 144 | B2.1-8-321            | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding with Consumable Insert Root of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX, in the As-Welded Condition    | 2018 | AWS | 30  |
| 145 | B2.1-8-322            | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding with Consumable Insert Root of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX, in the As-Welded Condition    | 2018 | AWS | 30  |
| 146 | B2.3/B2.3M            | Specification for Soldering Procedure and Performance Qualification - 3rd Edition   | 2018 | AWS | 78  |
| 147 | B2.1-1-017            | Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications | 2018 | AWS | 33  |
| 148 | D1.4/D1.4M            | Structural Welding Code - Steel Reinforcing Bars - 8th Edition  | 2018 | AWS | 98  |
| 149 | B2.1-1-019            | Standard Welding Procedure Specification (SWPS) for CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E70T-1C and E71 T-1C, in the As-Welded Condition, Primarily Plate and Struct | 2018 | AWS | 33  |
| 150 | NAVSEA B2.1-1-304     | Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70T-1 and MIL-71T-1, in the As-Welded Condition, Prima | 2018 | AWS | 33  |
| 151 | D16.1M/D16.1          | Specification for Robotic Arc Welding Safety - 2nd Edition  | 2018 | AWS | 34  |
| 152 | B2.1-1-020            | Standard Welding Procedure Specification (SWPS) for 75% Ar/25% CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E70T-1M and E71T-1M, in the As-Welded or PWHT Condition, Primaril | 2018 | AWS | 33  |
| 153 | C3.12M/C3.12          |   | 2017 | AWS | 30  |
| 154 | C4.2/C4.2M            | Recommended Practices for Safe Oxyfuel Gas Cutting Torch Operation  | 2017 | AWS | 50  |
| 155 | C7.4/C7.4M            | Process Specification and Operator Qualification for Laser Beam Welding   | 2017 | AWS | 54  |
| 156 | C7.6/C7.6M            |   | 2017 | AWS | 54  |
| 157 | D1.6/D1.6M            | Structural Welding Code - Stainless Steel   | 2017 | AWS | 340 |
| 158 | D3.6M                 | Specification for Underwater Welding  | 2017 | AWS | 148 |
| 159 | D8.2M                 |   | 2017 | AWS | 40  |
| 160 | D8.14M                | Specification for Automotive Weld Quality Arc Welding of Aluminum   | 2017 | AWS | 42  |
| 161 | D14.1/D14.1M<br>AMD 1 | Specification for Welding of Industrial and Mill Cranes and Other Material Handling Equipment   | 2017 | AWS | 158 |
| 162 | D16.3M/D16.3          | Risk Assessment Guide for Robotic Arc Welding   | 2017 | AWS | 38  |
| 163 | EG2.0                 | Guide for The Training and Qualification of Welding Personnel Entry Level Welder  | 2017 | AWS | 299 |
| 164 | EG2.0<br>SUPPLEMENT   | Guide for The Training and Qualification of Welding Personnel Entry Level Welder  | 2017 | AWS | 130 |
| 165 | F1.6                  | Guide for Estimating Welding Emissions for EPA and Ventilation Permit Reporting   | 2017 | AWS | 22  |
| 166 | F4.1                  | Recommended Safe Practices for the Preparation for Welding and Cutting of Containers and Piping   | 2017 | AWS | 22  |
| 167 | A5.9/A5.9M            | Specification for Bare Stainless Steel Welding Electrodes and Rods  | 2017 | AWS | 55  |
| 168 | A5.10/A5.10M          | Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods  | 2017 | AWS | 50  |
| 169 | A5.18/A5.18M          | Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding   | 2017 | AWS | 46  |
| 170 | API-M                 | Code Clinic for Study of API Standard 1104 Nineteenth Edition Welding of Pipelines and Related Facilities - Reference Manual  | 2017 | AWS | 178 |
| 171 | C1.4M/C1.4            | Specification for Resistance Welding of Carbon and Low-Alloy Steels   | 2017 | AWS | 34  |

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| 172 | C2.16/C2.16M        | Guide for Thermal-Spray Operator Qualification   | 2017 | AWS | 46  |
| 173 | QC10                | Specification for Qualification and Certification for Entry Level Welders                        | 2017 | AWS | 34  |
| 174 | C2.20/C2.20M        | Specification for Thermal Spraying Zinc Anodes on Steel Reinforced Concrete                      | 2016 | AWS | 48  |
| 175 | C3.5MC3.5<br>AMD 1  | NULL   | 2016 | AWS | 38  |
| 176 | G1.10M              | Guide for The Evaluation of Hot Gas, Hot Gas Extrusion, and Heated Tool Butt Thermoplastic Welds | 2016 | AWS | 62  |
| 177 | A1.1                | Metric Practice Guide for the Welding Industry   | 2016 | AWS | 60  |
| 178 | B2.1-8-308          |  | 2016 | AWS | 29  |
| 179 | B2.1-8-318          |  | 2016 | AWS | 33  |
| 180 | C3.4                | Specification for Torch Brazing  | 2016 | AWS | 30  |
| 181 | C3.5                | Specification for Induction Brazing  | 2016 | AWS | 31  |
| 182 | C3.6                | Specification for Furnace Brazing  | 2016 | AWS | 31  |
| 183 | C7.3                | Process Specification for Electron Beam Welding  | 2016 | AWS | 36  |
| 184 | D17.3               | Specification for Friction Stir Welding of Aluminum Alloys for Aerospace Applications            | 2016 | AWS | 58  |
| 185 | QC47                |  | 2016 | AWS | 35  |
| 186 | A5.36A5.36M         | NULL   | 2016 | AWS | 74  |
| 187 | B1.10MB1.10         | NULL   | 2016 | AWS | 74  |
| 188 | B2.2-B2.2M          | NULL   | 2016 | AWS | 90  |
| 189 | B4.0                | Standard Methods for Mechanical Testing of Welds   | 2016 | AWS | 184 |
| 190 | C3.4MC3.4           | NULL   | 2016 | AWS | 30  |
| 191 | C3.5MC3.5           | NULL   | 2016 | AWS | 32  |
| 192 | C3.6MC3.6           | NULL   | 2016 | AWS | 32  |
| 193 | D1.1D1.1M<br>ERTA 2 | NULL   | 2016 | AWS | 4   |
| 194 | D1.8D1.8M           | NULL   | 2016 | AWS | 138 |
| 195 | D17.3D17.3M         | NULL   | 2016 | AWS | 58  |
| 196 | J1.2MJ1.2           | NULL   | 2016 | AWS | 44  |
| 197 | QC1                 | Standard for AWS Certification of Welding Inspectors   | 2016 | AWS | 32  |
| 198 | NAVSEA B2.1-1-302   | NULL   | 2015 | AWS | 30  |
| 199 | NAVSEA B2.1-1-312   | NULL   | 2015 | AWS | 31  |
| 200 | D16.4MD16.4         | NULL   | 2015 | AWS | 26  |
| 201 | D18.3D18.3M         | NULL   | 2015 | AWS | 38  |
| 202 | D1.9D1.9M           | NULL   | 2015 | AWS | 172 |
| 203 | D1.5MD1.5           | NULL   | 2015 | AWS | 494 |
| 204 | D1.1 CCRM           | CODE CLINIC For Study of AWS D1.1/D1.1M: 2010 Structural Welding CodeùSteel                      | 2015 | AWS | 197 |
| 205 | BUNDLE A            | NULL   | 2015 | AWS | 172 |
| 206 | BUNDLE B            | NULL   | 2015 | AWS | 1   |
| 207 | BUNDLE C            | NULL   | 2015 | AWS | 34  |
| 208 | C1.5                | NULL   | 2015 | AWS | 24  |
| 209 | C2.21MC2.21         | NULL   | 2015 | AWS | 38  |

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| 210 | A5.35A5.35M         | NULL   | 2015 | AWS | 34  |
| 211 | B2.1-18-231         | NULL   | 2015 | AWS | 27  |
| 212 | B2.1B2.1M<br>AMD1   | NULL   | 2015 | AWS | 1   |
| 213 | B2.1B2.1M<br>ERTA 1 | NULL   | 2015 | AWS | 1   |
| 214 | B1.11M/B1.11        | Guide for the Visual Examination of Welds  | 2015 | AWS | 64  |
| 215 | B2.1-1/8-010        | Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1) to Austenitic Stainless Steel (M-8/ P-8), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing - 3rd Edition            | 2015 | AWS | 25  |
| 216 | D1.1/D1.1M          | Structural Welding Code - Steel - 23rd Edition   | 2015 | AWS | 646 |
| 217 | WHB-5.9             | Welding Handbook Volume 5 - ALUMINUM AND ALUMINUM ALLOYS, Part 2   | 2015 | AWS | 752 |
| 218 | WI                  | Welding Inspection Handbook - Fourth Edition   | 2015 | AWS | 289 |
| 219 | A5.24/A5.24M        | Zirconium and Zirconium Alloy Welding Electrodes and Rods  | 2014 | AWS | 30  |
| 220 | D8.8M               | Specification for Automotive Weld Quality - Arc Welding of Steel   | 2014 | AWS | 30  |
| 221 | B2.1B2.1M-<br>BMG   | NULL   | 2014 | AWS | 216 |
| 222 | A5.5/A5.5M          | Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding - 10th Edition   | 2014 | AWS | 70  |
| 223 | B2.1/B2.1M          | Specification for Welding Procedure and Performance Qualification - Sixth Edition  | 2014 | AWS | 322 |
| 224 | B5.17               | Specification for the Qualification of Welding Fabricators - Fourth Edition  | 2014 | AWS | 22  |
| 225 | D1.2/D1.2M<br>ERTA  | Structural Welding Code-Aluminum - 6th Edition   | 2014 | AWS | 1   |
| 226 | D1.2/D1.2M          | Structural Welding Code-Aluminum - 6th Edition   | 2014 | AWS | 232 |
| 227 | G2.4/G2.4M          | Guide for the Fusion Welding of Titanium and Titanium Alloys   | 2014 | AWS | 58  |
| 228 | J1.1M/J1.1          | Specification for Resistance Welding Controls  | 2013 | AWS | 49  |
| 229 | F1.2                | Laboratory Method for Measuring Fume Generation Rates and Total Fume Emission of Welding and Allied Processes - 6th Edition  | 2013 | AWS | 26  |
| 230 | C7.1M/C7.1          | Recommended Practices for Electron Beam Welding and Allied Processes   | 2013 | AWS | 152 |
| 231 | D14.9/D14.9M        | Specification for the Welding of Hydraulic Cylinders - First Edition   | 2013 | AWS | 64  |
| 232 | D15.2/D15.2M        | Recommended Practices for the Welding of Rails and Related Rail Components for Use by Rail Vehicles - 3rd Edition  | 2013 | AWS | 66  |
| 233 | D17.2/D17.2M        | Specification for Resistance Welding for Aerospace Applications. - 2nd Edition   | 2013 | AWS | 58  |
| 234 | D8.1M               | Specification for Automotive Weld Quality-Resistance Spot Welding of Steel - 2nd Edition   | 2013 | AWS | 40  |
| 235 | C2.19/C2.19M        | Specification for the Application of Thermal Spray Coatings to Machine Elements for OEM and Repair - 1st Edition   | 2013 | AWS | 70  |
| 236 | B2.1-8-005          | Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding (Short Circuiting Transfer Mode) of Austenitic Stainless Steel (M-8, P-8, or S-8), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing Site License | 2013 | AWS | 22  |
| 237 | B5.1                | Specification for the Qualification of Welding Inspectors - 2nd Edition  | 2013 | AWS | 24  |
| 238 | A5.34/A5.34M        | Specification for Nickel-Alloy Electrodes for Flux Cored ArcWelding - 2nd Edition  | 2013 | AWS | 42  |
| 239 | A9.5                | Guide for Verification and Validation in Computation Weld Mechanics - 1st Edition  | 2013 | AWS | 42  |
| 240 | A5.01M/A5.01        | Welding Consumablesâ Procurement of Filler Metals and Fluxes - 5th Edition   | 2013 | AWS | 40  |
| 241 | A5.16/A5.16M        | Specification for Titanium and Titanium-Alloy Welding Electrodes and Rods - 6th Edition  | 2013 | AWS | 38  |
| 242 | D17.2/D17.2M        | Specification for Resistance Welding for Aerospace Applications  | 2013 | AWS | 58  |
| 243 | F1.2                | Laboratory Method for Measuring Fume Generation Rates and Total Fume Emission of Welding and Allied Processes  | 2013 | AWS | 26  |
| 244 | A5.16/A5.16M        | Specification for Titanium and Titanium Alloy Welding Electrodes and Rods  | 2013 | AWS | 38  |
| 245 | A9.5                | Guide for Verification and Validation in Computation Weld Mechanics  | 2013 | AWS | 42  |



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| 246 | D14.9/D14.9M     | Specification for the Welding of Hydraulic Cylinders  | 2013 | AWS | 64  |
| 247 | D15.2/D15.2M     | Recommended Practices for the Welding of Rails and Related Rail Components for Use by Rail Vehicles   | 2013 | AWS | 66  |
| 248 | B2.1-1 8-006     | NULL  | 2013 | AWS | 23  |
| 249 | B2.1-1-003       | Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding of Galvanized Steel, (M-1), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site License                       | 2013 | AWS | 23  |
| 250 | B2.1-1-004       | Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding (Short Circuiting Transfer Mode) of Carbon Steel, (M-1, Group 1), 18 Through 10 Gauge, in the As-Welded Condition, with or without Back | 2013 | AWS | 22  |
| 251 | B2.1-1-007       | (Withdrawn)Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Galvanized Steel, 10 Through 18 Gage, in the As-Welded Condition, with or Without Backing Site License                  | 2013 | AWS | 23  |
| 252 | B2.1-1-008       | Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1, P-1 or S-1), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site License             | 2013 | AWS | 23  |
| 253 | B2.1-1-011       | (Withdrawn)Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Galvanized Steel, 10 Through 18 Gauge, in the As-Welded Condition, with or Without Backing Site License               | 2013 | AWS | 23  |
| 254 | B2.1-1-012       | Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel, (M-1,P-1, or S-1 to M-1, P-1 or S-1), 10 Through 18 Gauge, in the As-Welded Condition, with or without Backing Si | 2013 | AWS | 23  |
| 255 | B2.1-1 8-014     | NULL  | 2013 | AWS | 22  |
| 256 | B2.1-1 8-227     | NULL  | 2013 | AWS | 23  |
| 257 | B2.1-1 8-228     | NULL  | 2013 | AWS | 22  |
| 258 | B2.1-1 8-229     | NULL  | 2013 | AWS | 27  |
| 259 | B2.1-1 8-230     | NULL  | 2013 | AWS | 25  |
| 260 | B2.1-8-009       | Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8,P-8,or S-8), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site Licens | 2013 | AWS | 22  |
| 261 | B2.1-8-013       | Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel, (SWPS) 10 Through 18 Gauge, in the As-Welded Condition, with or without Backing Site License        | 2013 | AWS | 22  |
| 262 | B5.1             | Specification for the Qualification of Welding Inspectors   | 2013 | AWS | 24  |
| 263 | A5.8M/A5.8 AMD 1 | Specification for Filler Metals for Brazing and Braze Welding   | 2013 | AWS | 64  |
| 264 | A5.9/A5.9M       | Specification for Bare Stainless Steel Welding Electrodes and Rods  | 2012 | AWS | 46  |
| 265 | A5.10/A5.10M     | Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods  | 2012 | AWS | 46  |
| 266 | A2.4             | Standard Symbols for Welding, Brazing, and Nondestructive Examination   | 2012 | AWS | 152 |
| 267 | A2.4 Spanish     | Standard Symbols for Welding, Brazing, and Nondestructive Examination   | 2012 | AWS | 158 |
| 268 | A4.5M/A4.5       | Standard Methods for Classification Testing of Positional Capacity and Root Penetration ofWelding Consumables in a FilletWeld   | 2012 | AWS | 26  |
| 269 | A5.1/A5.1M       | Specification for Carbon Steel Electrodes for Shielded Metal Arc Welding  | 2012 | AWS | 62  |
| 270 | Z49.1            | Safety in Welding, Cutting and Allied Processes   | 2012 | AWS | 70  |
| 271 | B2.1/B2.1M-BMG   | Base Metal Grouping for Welding Procedure and Performance Qualification   | 2012 | AWS | 209 |
| 272 | A5.31M A5.31     | NULL  | 2012 | AWS | 38  |
| 273 | A5.4 A5.4M       | NULL  | 2012 | AWS | 54  |
| 274 | A5.8M A5.8-AMD 1 | NULL  | 2012 | AWS | 64  |
| 275 | D3.6M ERTA       | NULL  | 2012 | AWS | 2   |
| 276 | D9.1M D9.1       | NULL  | 2012 | AWS | 76  |
| 277 | D14.4 D14.4M     | NULL  | 2012 | AWS | 124 |
| 278 | D17.1/D17.1M     | Specification for Fusion Welding for Aerospace Applications   | 2012 | AWS | 104 |

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| 279 | D15.1/D15.1M | Railroad Welding Specification for Cars and Locomotives  | 2012 | AWS | 234 |
| 280 | D14.4        | Specification for Welded Joints in Machinery and Equipment   | 2012 | AWS | 124 |
| 281 | D8.9M        | Recommended Practices for Test Methods for Evaluating the Resistance Spot Welding Behavior of Automotive Sheet Steel Materials SAE D8.9M-2002  | 2012 | AWS | 126 |
| 282 | D9.1/D9.1M   | Sheet Metal Welding Code   | 2012 | AWS | 76  |
| 283 | C4.5M        | Uniform Designation System for Oxyfuel Nozzles   | 2012 | AWS | 20  |
| 284 | A5.31        | Specification for Fluxes for Brazing and Braze Welding   | 2012 | AWS | 38  |
| 285 | A5.36/A5.36M | Specification for Carbon and Low- Alloy Steel Flux Cored Electrodes for Flux Cored Arc Welding and Metal Cored Electrodes for Gas Metal Arc Welding  | 2012 | AWS | 66  |
| 286 | A5.22/A5.22M | Specification for Stainless Steel Flux Cored and Metal Cored Welding Electrodes and Rods   | 2012 | AWS | 68  |
| 287 | A5.4         | Specification for Stainless Steel Electrodes for Shielded Metal Arc Welding  | 2012 | AWS | 54  |
| 288 | B2.1/B2.1M   | Specification for Welding Procedure and Performance Qualification  | 2012 | AWS | 306 |
| 289 | B2.3/B2.3M   | Specification for Soldering Procedure and Performance Qualification  | 2012 | AWS | 78  |
| 290 | B2.4         | Specification for Welding Procedure and Performance Qualification for Thermoplastics   | 2012 | AWS | 56  |
| 291 | C2.25/C2.25M | Specification for Thermal Spray Feedstock Solid and Composite Wire and Ceramic Rods  | 2012 | AWS | 28  |
| 292 | C1.1M/C1.1   | Recommended Practices for Resistance Welding   | 2012 | AWS | 134 |
| 293 | EWH-1        | Effects of Welding on Health, IndexùI through XIV  | 2012 | AWS | 62  |
| 294 | G2.3M/G2.3   | Guide for the Joining of Solid Solution Austenitic Stainless Steels  | 2012 | AWS | 108 |
| 295 | G2.5/G2.5M   | Guide for the FusionWelding of Zirconium and Zirconium Alloys  | 2012 | AWS | 48  |
| 296 | B2.4         | Specification for Welding Procedure and Performance Qualification for Thermoplastics - 2nd Edition   | 2012 | AWS | 56  |
| 297 | C4.6M        | Thermal Cutting Classification of Thermal Cuts Geometric Product Specification and Quality Tolerances - 1st Edition  | 2012 | AWS | 52  |
| 298 | D14.6/D14.6M | Specification for Welding of Rotating Elements of Equipment - 4th Edition  | 2012 | AWS | 88  |
| 299 | G2.1M/G2.1   | Guide for the Joining of Wrought Nickel-Based Alloys   | 2012 | AWS | 68  |
| 300 | A5.8M/A5.8   | Specification for Filler Metals for Brazing and Braze Welding - 10th Edition   | 2011 | AWS | 62  |
| 301 | F2.3M        | Specification for Use and Performance of Transparent Welding Curtains and Screens  | 2011 | AWS | 26  |
| 302 | QC20         | Specification for AWS Certification of Resistance Welding Technicians  | 2011 | AWS | 30  |
| 303 | RWPH         | Resistance Welding Pocket Handbook   | 2011 | AWS | 48  |
| 304 | C3.7M/C3.7   | Specification for Aluminum Brazing   | 2011 | AWS | 34  |
| 305 | C3.8M/C3.8   | Specification for the Ultrasonic Pulse-Echo Examination of Brazed Joints   | 2011 | AWS | 30  |
| 306 | B5.5         | Specification for the Qualification of Welding Educators   | 2011 | AWS | 22  |
| 307 | B2.1-1-027   | Standard Welding Procedure Specification (WPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1/2 Inch Thick, E71T-11, As-Welded Condition Site License | 2011 | AWS | 22  |
| 308 | B2.1-22-015  | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Aluminum, (M/P/S-22 TO M/P/S-22), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site License     | 2011 | AWS | 20  |
| 309 | A5.8M/A5.8   | Specification for Filler Metals for Brazing and Braze Welding  | 2011 | AWS | 62  |
| 310 | A5.23/A5.23M | Specification for Low Alloy Steel Electrodes and Fluxes for Submerged Arc Welding  | 2011 | AWS | 60  |
| 311 | A5.21        | Specification for Bare Electrodes and Rods for Surfacing   | 2011 | AWS | 42  |
| 312 | A5.14/A5.14M | Specification for Nickel and Nickel-Alloy Bare Welding Electrodes and Rods   | 2011 | AWS | 42  |
| 313 | A5.32M/A5.32 | Welding Consumablesù Gases and Gas Mixtures for Fusion Welding and Allied Processes  | 2011 | AWS | 44  |
| 314 | C3.11M/C3.11 | Specification for Torch Soldering  | 2011 | AWS | 30  |
| 315 | D1.1/D1.1M   | Structural Welding Code  | 2011 | AWS | 572 |
| 316 | D1.4/D1.4M   | Structural Welding Code - Reinforcing Steel Errata   | 2011 | AWS | 86  |

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|-----|--------------------------|--|------|-----|-----|
| 317 | A5.21 A5.21M             | NULL   | 2011 | AWS | 42  |
| 318 | C5.3                     | Recommended Practices for Air Carbon Arc Gouging and Cutting   | 2011 | AWS | 33  |
| 319 | B4.0M                    | Standard Methods for Mechanical Testing of Welds   | 2010 | AWS | 122 |
| 320 | F2.2                     | Lens Shade Selector  | 2010 | AWS | 1   |
| 321 | G1.2M G1.2               | NULL   | 2010 | AWS | 38  |
| 322 | B2.2 B2.2M               | NULL   | 2010 | AWS | 86  |
| 323 | WHB-4.9                  | Materials and Applications Part 1  | 2010 | AWS | 775 |
| 324 | A3.0M A3.0               | NULL   | 2010 | AWS | 162 |
| 325 | D17.1 D17.1M             | NULL   | 2010 | AWS | 100 |
| 326 | D1.5M/D1.5               | Bridge Welding Code  | 2010 | AWS | 480 |
| 327 | D1.7/D1.7M               | Guide for Strengthening and Repairing Existing Structures  | 2010 | AWS | 54  |
| 328 | D1.1/D1.1M<br>PORTUGUESE | Structural Welding Code  | 2010 | AWS | 558 |
| 329 | D1.1/D1.1M<br>SPANISH    | Structural Welding Code  | 2010 | AWS | 598 |
| 330 | C7.2M                    | Recommended Practices for Laser Beam Welding, Cutting, and Allied Processes  | 2010 | AWS | 144 |
| 331 | D1.1 CCRM                | CODE CLINIC For Study of AWS D1.1/D1.1M: 2010 Structural Welding CodeùSteel  | 2010 | AWS | 166 |
| 332 | D10.14M/D10.14           | Guide for Multipass Orbital Machine Pipe Groove Welding  | 2010 | AWS | 78  |
| 333 | D3.6M                    | Underwater Welding Code  | 2010 | AWS | 144 |
| 334 | D3.9                     | Specification for Classification of Weld-Through Paint Primers   | 2010 | AWS | 30  |
| 335 | D14.3/D14.3M             | Specification for Welding Earthmoving and Construction Equipment   | 2010 | AWS | 96  |
| 336 | B2.1-1-011<br>ERTA       | Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Galvanized Steel(M-1), 10 Through 18 Gauge, in the As-Welded Condition, with or without Backing Site License | 2010 | AWS | 1   |
| 337 | A5.22                    | Specification for Stainless Steel Electrodes for Flux Cored Arc Welding and Stainless Steel Flux Cored Rods for Gas Tungsten Arc Welding   | 2010 | AWS | 68  |
| 338 | A5.29/A5.29M             | Specification for Low-Alloy Steel Electrodes for Flux Cored Arc Welding  | 2010 | AWS | 62  |
| 339 | A5.13/A5.13M             | Specification for Surfacing Electrodes for Shielded Metal Arc Welding  | 2010 | AWS | 44  |
| 340 | B2.2                     | Standard for Brazing Procedure and Performance Qualification   | 2010 | AWS | 86  |
| 341 | UGFM                     | AWS User's Guide to Filler Metals  | 2010 | AWS | 180 |
| 342 | D1.1/D1.1M               | Structural Welding Code  | 2010 | AWS | 569 |
| 343 | D17.3                    | Specification for Friction Stir Welding of Aluminum Alloys for Aerospace Applications  | 2010 | AWS | 56  |
| 344 | A5.11/A5.11M             | Specification for Nickel and Nickel-Alloy Welding Electrodes for Shielded Metal Arc Welding  | 2010 | AWS | 52  |
| 345 | B5.15                    | Specification for the Qualification of Radiographic Interpreters   | 2010 | AWS | 26  |
| 346 | A3.0                     | Standard Welding Terms and Definitions Including Terms for Adhesive Bonding, Brazing, Soldering, Thermal Cutting, and Thermal Spraying   | 2010 | AWS | 162 |
| 347 | B2.1/B2.1M-<br>BMG       | Base Metal Grouping for Welding Procedure and Performance Qualification  | 2009 | AWS | 202 |
| 348 | A5.12/A5.12M             | Specification for Tungsten and Tungsten-Alloy Electrodes for Arc Welding and Cutting   | 2009 | AWS | 38  |
| 349 | A5.01M/A5.01             | Procurement Guidelines for Consumablesù Welding and Allied ProcessesùFlux and Gas Shielded ElectricalWelding Processes   | 2009 | AWS | 40  |
| 350 | QC19                     | Specification for AWS Certification of Robotic Arc Welding Personnel   | 2009 | AWS | 24  |
| 351 | D10.10/D.10M             | Recommended Practices for Local Heating of Welds in Piping and Tubing  | 2009 | AWS | 120 |
| 352 | PRGP                     | The Practical Reference Guide to Positioning   | 2009 | AWS | 74  |

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|-----|----------------|---|------|-----|-----|
| 353 | QC10           | Specification for Qualification and Certification for Entry Level Welders   | 2009 | AWS | 35  |
| 354 | QC14           | Specification for the Certification of Welding Sales Representatives  | 2009 | AWS | 18  |
| 355 | D18.1/D18.1M   | Specification for Welding of Austenitic Stainless Steel Tube and Pipe Systems in Sanitary (Hygienic) Applications   | 2009 | AWS | 36  |
| 356 | D18.2          | Guide to Weld Discoloration Levels on Inside of Austenitic Stainless Steel Tube   | 2009 | AWS | 2   |
| 357 | EG2.0          | Guide for The Training and Qualification of Welding Personnel Entry Level Welder  | 2009 | AWS | 162 |
| 358 | B5.14          | Specification for the Qualification of Welding Sales Representatives  | 2009 | AWS | 18  |
| 359 | C3.9M/C3.9     | Specification for Resistance Brazing  | 2009 | AWS | 26  |
| 360 | C1.4M/C1.4     | Specification for Resistance Welding of Carbon and Low-Alloy Steels   | 2009 | AWS | 32  |
| 361 | C1.5           |   | 2009 | AWS | 24  |
| 362 | C3.2M/C3.2     | Standard Method for Evaluating the Strength of Brazed Joints  | 2009 | AWS | 44  |
| 363 | C3.3           | Recommended Practices for Design, Manufacture, and Examination of Critical Brazed Components  | 2009 | AWS | 44  |
| 364 | A5.6/A5.6M     | Specification for Covered Copper and Copper Alloy Arc Welding Electrodes  | 2009 | AWS | 38  |
| 365 | API-M          | Code Clinic for Study of API Standard 1104 Nineteenth Edition Welding of Pipelines and Related Facilities - Reference Manual  | 2009 | AWS | 104 |
| 366 | B1.10M/B1.10   | Guide for the Nondestructive Examination of Welds   | 2009 | AWS | 66  |
| 367 | D16.3M/D16.3   | Risk Assessment Guide for Robotic Arc Welding   | 2009 | AWS | 30  |
| 368 | D14.5/D14.5M   | Specification for Welding of Presses and Press Components   | 2009 | AWS | 160 |
| 369 | D14.8M         | Standard Methods for the Avoidance of Cold Cracks   | 2009 | AWS | 94  |
| 370 | D8.14M         | Specification for Automotive Weld Quality Arc Welding of Aluminum   | 2009 | AWS | 34  |
| 371 | D10.18M/D10.18 | Guide for Welding Ferritic/Austenitic Duplex Stainless Steel Piping and Tubing  | 2009 | AWS | 36  |
| 372 | D10.7M/D10.7   | Guide for the Gas Shielded Arc Welding of Aluminum and Aluminum Alloy Pipe  | 2009 | AWS | 44  |
| 373 | D1.1-BI        | The Official Book of D1.1 Interpretations - a Collection of Responses to Formal Inquiries About the Requirements of AWS D1.1  | 2009 | AWS | 56  |
| 374 | C7.4/C7.4M     | Process Specification and Operator Qualification for Laser Beam Welding   | 2009 | AWS | 36  |
| 375 | C4.2/C4.2M     | Recommended Practices for Safe Oxyfuel Gas Cutting Torch Operation  | 2009 | AWS | 50  |
| 376 | D1.2/D1.2M     | Structural Welding Code Aluminum Fourth Edition   | 2009 | AWS | 228 |
| 377 | D1.3           | Structural Welding Code - Sheet Steel   | 2009 | AWS | 100 |
| 378 | D1.8/D1.8M     | Structural Welding Code Seismic Supplement  | 2009 | AWS | 126 |
| 379 | B2.1-4-217     | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), ER80S-B2, 1/8 Through 1/2 in. Thick As-Welded Condition, 1/8 Through 3/4 in. Th | 2009 | AWS | 23  |
| 380 | B2.1-4-218     | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), E8018-B2, 1/8 Through 1/2 in. Thick As-Welded Condition, 1/8 Through 1-1/2 in | 2009 | AWS | 21  |
| 381 | B2.1-4-219     | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), 1/8 Through 1/2 in. Thick, As-Welded Con | 2009 | AWS | 24  |
| 382 | B2.1-4-220     | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), E8018-B2, 1/8 Through 1/2 in. Thick, As-Welded Condi   | 2009 | AWS | 26  |
| 383 | B2.1-4-221     | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), 1/8 Through 1/2 | 2009 | AWS | 26  |
| 384 | B2.1-5A-222    | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER90S-B3, 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 3/4 in. Thick, PWHT   | 2009 | AWS | 23  |
| 385 | B2.1-5A-223    | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER9018-B3, 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 1-1/2 in. Thick,   | 2009 | AWS | 21  |

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|-----|------------------------|--|------|-----|-----|
| 386 | B2.1-5A-224            | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 | 2009 | AWS | 25  |
| 387 | B2.1-5A-225            | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 3/4 i | 2009 | AWS | 26  |
| 388 | B2.1-5A-226            | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick, | 2009 | AWS | 26  |
| 389 | A5.25 A5.25M           | NULL   | 2009 | AWS | 44  |
| 390 | A5.26 A5.26M           | NULL   | 2009 | AWS | 44  |
| 391 | B1.10MB1.10<br>SPANISH | NULL   | 2009 | AWS | 67  |
| 392 | A5.12M A5.12           | NULL   | 2009 | AWS | 38  |
| 393 | D10.10_D10.10<br>M     | NULL   | 2009 | AWS | 120 |
| 394 | C6.1                   | Recommended Practices for Friction Welding R(1998)   | 2009 | AWS | 48  |
| 395 | A5.6 A5.6M             | NULL   | 2008 | AWS | 38  |
| 396 | API-M                  | Code Clinic for Study of API Standard 1104 Nineteenth Edition Welding of Pipelines and Related Facilities - Reference Manual   | 2008 | AWS | 104 |
| 397 | D10.18M<br>D10.18      | NULL   | 2008 | AWS | 36  |
| 398 | D10.7M D10.7           | NULL   | 2008 | AWS | 44  |
| 399 | EG2.0                  | Guide for The Training and Qualification of Welding Personnel Entry Level Welder   | 2008 | AWS | 162 |
| 400 | D8.14M                 | Specification for Automotive Weld Qualityù Arc Welding of Aluminum   | 2008 | AWS | 34  |
| 401 | D1.3 D1.3M             | NULL   | 2008 | AWS | 100 |
| 402 | C3.2M C3.2             | NULL   | 2008 | AWS | 44  |
| 403 | C3.3                   | Recommended Practices for Design, Manufacture, and Examination of Critical Brazed Components   | 2008 | AWS | 44  |
| 404 | D1.1-BI                | The Official Book of D1.1 Interpretations - a Collection of Responses to Formal Inquiries About the Requirements of AWS D1.1 (1976-1998)   | 2008 | AWS | 56  |
| 405 | C7.4 C7.4M             | NULL   | 2008 | AWS | 36  |
| 406 | WIT-E                  | NULL   | 2008 | AWS | 44  |
| 407 | WIT-T                  | Welding Inspection Technology Fourth Edition   | 2008 | AWS | 328 |
| 408 | WIT-W                  | NULL   | 2008 | AWS | 82  |
| 409 | QC10                   | Specification for Qualification and Certification for Entry Level Welders  | 2008 | AWS | 35  |
| 410 | PRGP                   | The Practical Reference Guide to Positioning   | 2008 | AWS | 74  |
| 411 | QC17                   | Standard for Accreditation of Welding Fabricators for AWS Certified Welding Fabricator Program   | 2008 | AWS | 18  |
| 412 | VIW-M                  | Visual Inspection Workshop Reference Manual  | 2008 | AWS | 132 |
| 413 | WIT                    | Welding Inspection Technology  | 2008 | AWS | 328 |
| 414 | C3.6                   | Specification for Furnace Brazing  | 2008 | AWS | 28  |
| 415 | D1.5M/D1.5             | Bridge Welding Code AASHTO BWC-4   | 2008 | AWS | 434 |
| 416 | B5.17                  | Specification for the Qualification of Welding Fabricators   | 2008 | AWS | 22  |
| 417 | QC15                   | Specification for the Certification of Radiographic Interpreters   | 2008 | AWS | 20  |
| 418 | B5.17                  | Specification for the Qualification of Welding Fabricators   | 2008 | AWS | 22  |
| 419 | D1.1/D1.1M             | structural welding code steel  | 2008 | AWS | 563 |
| 420 | D1.3                   | Structural Welding Code - Sheet Steel Errata   | 2008 | AWS | 100 |
| 421 | D8.8/D8.8M             | Specification for Automotive and Light Truck Components Weld Quality - Arc Welding SAE HS J1196  | 2007 | AWS | 28  |

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|-----|----------------|--|------|-----|-----|
| 422 | QC1            | Standard for AWS Certification of Welding Inspectors   | 2007 | AWS | 24  |
| 423 | A5.16/A5.16M   | Specification for Titanium and Titanium Alloy Welding Electrodes and Rods  | 2007 | AWS | 38  |
| 424 | D1.6/D1.6M     | Structural Welding Code - Stainless Steel  | 2007 | AWS | 294 |
| 425 | B4.0           | Standard Methods for Mechanical Testing of Welds   | 2007 | AWS | 154 |
| 426 | C3.4           | Specification for Torch Brazing  | 2007 | AWS | 26  |
| 427 | C3.5           | Specification for Induction Brazing  | 2007 | AWS | 26  |
| 428 | B2.1-1-201     | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Uphill) Followed by E7018 (Vertical Uphill) | 2007 | AWS | 23  |
| 429 | B2.1-1-203     | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Uphill), As-Welded Condition (Primarily Pi  | 2007 | AWS | 23  |
| 430 | B2.1-1-204     | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Downhill Root with the Balance Vertical Up  | 2007 | AWS | 23  |
| 431 | B2.1-1-205     | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Uphill) Followed by E7018 (Vertical Uphi  | 2007 | AWS | 24  |
| 432 | B2.1-1-206     | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Downhill) Followed by E7018 (Vertical Up  | 2007 | AWS | 24  |
| 433 | B2.1-1-207     | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, ER70S-2, As- Welded or PWHT Condition (Primarily Pipe Appl  | 2007 | AWS | 23  |
| 434 | B2.1-1-208     | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E7018, As-Welded or PWHT Condition (Primarily Pipe Appli  | 2007 | AWS | 22  |
| 435 | B2.1-1-209     | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, ER70S-2 and E7018,   | 2007 | AWS | 26  |
| 436 | D17.2/D17.2M   | Specification for Resistance Welding for Aerospace Applications  | 2007 | AWS | 44  |
| 437 | B2.1-1-202     | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Downhill) Followed by E7018 (Vertical Uphi  | 2007 | AWS | 23  |
| 438 | A2.4           | Standard Symbols for Welding, Brazing, and Nondestructive Examination  | 2007 | AWS | 140 |
| 439 | F1.1           | Method for Sampling Airborne Particulates Generated by Welding and Allied Processes  | 2007 | AWS | 20  |
| 440 | F4.1           | Recommended Safe Practices for the Preparation for Welding and Cutting of Containers and Piping  | 2007 | AWS | 20  |
| 441 | D10.11M/D10.11 | Guide for Root Pass Welding of Pipe Without Backing  | 2007 | AWS | 36  |
| 442 | A5.2/A5.2M     | Specification for Carbon and Low Alloy Steel Rods for Oxyfuel Gas Welding  | 2007 | AWS | 28  |
| 443 | A5.30/A5.30M   | Specification for Consumable Inserts - 3rd Edition   | 2007 | AWS | 38  |
| 444 | A5.02/A5.02M   | Specification for Filler Metal Standard Sizes, Packaging, and Physical Attributes - First Edition; Second Printing; Incorporates Errata: April 2008  | 2007 | AWS | 30  |
| 445 | A5.7/A5.7M     | Specification for Copper and Copper-Alloy Bare Welding Rods and Electrodes - 7th Edition   | 2007 | AWS | 32  |
| 446 | A10.1M         | Specification for Calibration and Performance Testing of Secondary Current Sensing Coils and Weld Current Monitors used in Single-Phase AC Resistance Welding - 1st Edition  | 2007 | AWS | 56  |
| 447 | D16.2M/D16.2   | Guide for Components of Robotic and Automatic Arc Welding Installations  | 2007 | AWS | 34  |
| 448 | C4.3/C4.3M     | Recommended Practices for Safe Oxyfuel Gas Heating Torch Operation - Third Edition   | 2007 | AWS | 38  |
| 449 | C4.4/C4.4M     | Recommended Practices for Heat Shaping and Straightening with Oxyfuel Gas Heating Torches - Second Edition   | 2007 | AWS | 58  |
| 450 | BRH            | Brazing Handbook - Fifth Edition   | 2007 | AWS | 740 |
| 451 | D1.9/D1.9M     | Structural Welding Codeâ Titanium - 1st Edition; Incorporating Addendum: August 26, 2011   | 2007 | AWS | 164 |
| 452 | EWH-13         | NULL   | 2007 | AWS | 88  |
| 453 | A5.3 A5.3M     | NULL   | 2007 | AWS | 34  |
| 454 | A5.17 A5.17M   | NULL   | 2007 | AWS | 48  |

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|-----|--------------|---|------|-----|-----|
| 455 | WHB-3.9      | Welding Handbook, Vol. 3, Welding Processes, Part 2 - Ninth Edition   | 2007 | AWS | 615 |
| 456 | A4.2M        | NULL  | 2006 | AWS | 58  |
| 457 | A5.19        | Specification for Magnesium Alloy Welding Electrodes and Rods R(1997)   | 2006 | AWS | 34  |
| 458 | A5.15        | Specification for Welding Electrodes and Rods for Cast Iron   | 2006 | AWS | 38  |
| 459 | A4.3         | Standard Methods for Determination of the Diffusible Hydrogen Content of Martensitic, Bainitic, and Ferritic Steel Weld Metal Produced by Arc Welding   | 2006 | AWS | 34  |
| 460 | A4.4M        | Standard Procedures for Determination of Moisture Content of Welding Fluxes and Welding Electrode Flux Coverings  | 2006 | AWS | 38  |
| 461 | F1.3M        | A Sampling Strategy Guide for Evaluating Contaminants in the Welding Environment  | 2006 | AWS | 32  |
| 462 | G1.1M/G1.1   | Guide to Ultrasonic Assembly of Thermoplastics  | 2006 | AWS | 95  |
| 463 | G1.6         | Specification for the Qualification of Plastics Welding Inspectors for Hot Gas, Hot Gas Extrusion, and Heated Tool Butt Thermoplastic Welds   | 2006 | AWS | 24  |
| 464 | C6.2/C6.2M   | Specification for Friction Welding of Metals  | 2006 | AWS | 34  |
| 465 | F1.1M        | Method for Sampling Airborne Particulates Generated by Welding and Allied Processes   | 2006 | AWS | 24  |
| 466 | B2.1-1-232   | Standard Welding Procedure Specification (SWPS) for Argon Plus 25% Carbon Dioxide Shielded Gas Metal Arc Welding (Short Circuiting Transfer Mode) followed by Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group | 2006 | AWS | 21  |
| 467 | B2.1-1-233   | Standard Welding Procedure Specification (SWPS) for Argon Plus 25% Carbon Dioxide Shielded Gas Metal Arc Welding (Short Circuiting Transfer Mode) followed by Argon Plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel (M-1/P- | 2006 | AWS | 21  |
| 468 | B2.1-1-234   | Standard Welding Procedure Specification (SWPS) for Argon plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Groups 1 and 2), 1/8 through 1-1/2 inch Thick, E7XT-X, As-Welded or PWHT Condition, Primarily Pipe Applications | 2006 | AWS | 21  |
| 469 | B2.1-1-235   | Standard Welding Procedure Specification (SWPS) for Argon plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel (M-1/P-1/S-1, Groups 1 and 2), 1/8 through 1-1/2 inch Thick, ER70S-3, Flat Position Only, As-Welded or PWHT Condi | 2006 | AWS | 21  |
| 470 | A4.2M/A4.2   | Standard Procedures for Calibrating Magnetic Instruments to Measure the Delta Ferrite Content of Austenitic and Duplex Ferritic-Austenitic Stainless Steel Weld Metal   | 2006 | AWS | 58  |
| 471 | B2.1-1-001   | NULL  | 2006 | AWS | 13  |
| 472 | C5.7         | Recommended Practices for Electrode Gas Welding   | 2006 | AWS | 76  |
| 473 | D11.2        | Guide for Welding Iron Castings   | 2006 | AWS | 210 |
| 474 | A5.4         | Specification for Stainless Steel Electrodes for Shielded Metal Arc Welding   | 2006 | AWS | 54  |
| 475 | A5.5         | Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding   | 2006 | AWS | 68  |
| 476 | A5.9         | Specification for Bare Stainless Steel Welding Electrodes and Rods  | 2006 | AWS | 42  |
| 477 | D1.1/D1.1M   | Structural Welding Code   | 2006 | AWS | 532 |
| 478 | B2.1-1-002   | Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 3/16 through 7/8 inch, in the As-Welded Condition, With or Without Backing  | 2006 | AWS | 15  |
| 479 | B5.9         | Specification for the Qualification of Welding Supervisors  | 2006 | AWS | 20  |
| 480 | B5.16        | Specification for the Qualification of Welding Engineers  | 2006 | AWS | 22  |
| 481 | QC13         | Specification for the Certification of Welding Supervisors  | 2006 | AWS | 16  |
| 482 | D9.1/D9.1M   | Sheet Metal Welding Code  | 2006 | AWS | 72  |
| 483 | D16.4-D16.4M | Specification for the Qualification of Robotic Arc Welding Personnel  | 2005 | AWS | 24  |
| 484 | B2.1         | Specification for Welding Procedure and Performance Qualification   | 2005 | AWS | 274 |
| 485 | D1.4/D1.4M   | Structural Welding Code - Reinforcing Steel Errata  | 2005 | AWS | 84  |
| 486 | A5.18/A5.18M | Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding   | 2005 | AWS | 44  |
| 487 | A5.20/A5.20M | Specification for Carbon Steel Electrodes for Flux Cored Arc Welding  | 2005 | AWS | 50  |

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| 488 | A5.28/A5.28M | Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding  | 2005 | AWS | 48  |
| 489 | A5.29        | Specification for Low-Alloy Steel Electrodes for Flux Cored Arc Welding   | 2005 | AWS | 54  |
| 490 | B5.4         | Specification for the Qualification of Welder Test Facilities   | 2005 | AWS | 24  |
| 491 | B2.1-BMG     | Specification for Welding Procedure and Performance Qualification   | 2005 | AWS | 188 |
| 492 | A5.22        | Specification for Stainless Steel Electrodes for Flux Cored Arc Welding and Stainless Steel Flux Cored Rods for Gas Tungsten Arc Welding  | 2005 | AWS | 56  |
| 493 | Z49.1        | Safety in Welding, Cutting and Allied Processes   | 2005 | AWS | 68  |
| 494 | D14.1/D14.1  | Specification for Welding of Industrial and Mill Cranes and Other Material Handling Equipment   | 2005 | AWS | 152 |
| 495 | A5.11/A5.11M | Specification for Nickel and Nickel-Alloy Welding Electrodes for Shielded Metal Arc Welding   | 2005 | AWS | 50  |
| 496 | B2.1-8-023   | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 Through 1-1/2 Inch Thick, As-Welded Condition Site License                | 2005 | AWS | 25  |
| 497 | C3.7M/C3.7   | Specification for Aluminum Brazing  | 2005 | AWS | 28  |
| 498 | A5.24/A5.24M | Specification for Zirconium and Zirconium-Alloy Welding Electrodes and Rods   | 2005 | AWS | 26  |
| 499 | D14.7/D14.7M | Recommended Practices for Surfacing and Reconditioning of Industrial Mill Rolls - 1st Edition   | 2005 | AWS | 68  |
| 500 | D8.6         | Specification for Automotive Resistance Spot Welding Electrodes - Supplement to RWMA Bulletin 16  | 2005 | AWS | 100 |
| 501 | D8.7M        | Recommended Practices for Automotive Weld Quality Resistance Spot Welding   | 2005 | AWS | 30  |
| 502 | D14.1/D14.1M | Specification for Welding of Industrial and Mill Cranes and Other Material Handling Equipment   | 2005 | AWS | 152 |
| 503 | TWM          | NULL  | 2005 | AWS | 206 |
| 504 | B2.1-1-016   | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E7018, As-Welded or PWHT Condition Site License          | 2005 | AWS | 25  |
| 505 | B2.1-1-017   | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010, As-Welded or PWHT Condition Site License          | 2005 | AWS | 25  |
| 506 | B2.1-1-018   | Standard Welding Procedure Specification (WPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E71T-8, As-Welded Condition Site License       | 2005 | AWS | 25  |
| 507 | B2.1-1-019   | Standard Welding Procedure Specification (WPS) for CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E70T-1 and E71T-1, As-Welded Condition Site Lic | 2005 | AWS | 25  |
| 508 | B2.1-1-020   | Standard Welding Procedure Specification (WPS) for 75% Ar/25% CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E70T-1 and E71T-1, As-Welded or PWHT | 2005 | AWS | 25  |
| 509 | B2.1-1-021   | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, ER70S-2 and E7018,  | 2005 | AWS | 25  |
| 510 | B2.1-1-022   | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Uphill) Followed by E7018, As-Welded or  | 2005 | AWS | 25  |
| 511 | B2.1-1-026   | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Downhill) Followed by E7018, As-Welded o | 2005 | AWS | 25  |
| 512 | GTW          | NULL  | 2005 | AWS | 64  |
| 513 | PAPQV        | NULL  | 2005 | AWS | 136 |
| 514 | CMWS         | NULL  | 2005 | AWS | 448 |
| 515 | WHB-2.9      | Welding Handbook - Welding Processes, Part 1 - Volume 2; Ninth Edition  | 2004 | AWS | 615 |
| 516 | PHB-3        | NULL  | 2004 | AWS | 32  |
| 517 | PHB-6        | NULL  | 2004 | AWS | 40  |
| 518 | D3.7         | Guide for Aluminum Hull Welding   | 2004 | AWS | 87  |
| 519 | D16.1M/D16.1 | Specification for Robotic Arc Welding Safety  | 2004 | AWS | 27  |
| 520 | C7.1         | Recommended Practices for Electron Beam Welding   | 2004 | AWS | 129 |
| 521 | C5.6         | Recommended Practices for Gas Metal Arc Welding R(1994)   | 2004 | AWS | 78  |



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| 522 | A5.8         | Specification for Filler Metals for Brazing and Braze Welding   | 2004 | AWS | 47  |
| 523 | A5.1/A5.1M   | Specification for Carbon Steel Electrodes for Shielded Metal Arc Welding  | 2004 | AWS | 55  |
| 524 | D1.1/D1.1M   | structural welding code steel   | 2004 | AWS | 541 |
| 525 | F1.5M        | Methods for Sampling and Analyzing Gases from Welding and Allied Processes  | 2003 | AWS | 55  |
| 526 | F1.6         | Guide for Estimating Welding Emissions for EPA and Ventilation Permit Reporting   | 2003 | AWS | 17  |
| 527 | IBSC         | International Brazing and Soldering Conference, February 17-19, 2003; Four Points Sheraton Hotel, San Diego, California   | 2003 | AWS | 0   |
| 528 | SGSH         | The Independent Shop s Guide to Welding Safety and Health   | 2003 | AWS | 43  |
| 529 | SHF          | Safety and Health Fact Sheets Third Edition   | 2003 | AWS | 61  |
| 530 | B5.15        | Specification for the Qualification of Radiographic Interpreters  | 2003 | AWS | 18  |
| 531 | B5.1         | Specification for the Qualification of Welding Inspectors Data Pending per AWS  | 2003 | AWS | 22  |
| 532 | C2.23M/C2.23 | Specification for the Application of Thermal Spray Coatings (Metallizing) of Aluminum, Zinc, and Their Alloys and Composites for the Corrosion Protection of Steel NACE 12, SSPC-CS 23.00                         | 2003 | AWS | 98  |
| 533 | D1.2/D1.2M   | Structural Welding Code Aluminum Fourth Edition   | 2003 | AWS | 217 |
| 534 | C7.3         | Process Specification for Electron Beam Welding   | 2003 | AWS | 19  |
| 535 | C2.23M C2.23 | NULL  | 2003 | AWS | 49  |
| 536 | C2.21M/C2.21 | Specification for Thermal Spray Equipment Acceptance Inspection   | 2003 | AWS | 29  |
| 537 | C5.5/C5.5M   | Recommended Practices for Gas Tungsten Arc Welding  | 2003 | AWS | 131 |
| 538 | C5.10/C5.10M | Recommended Practices for Shielding Gases for Welding and Cutting   | 2003 | AWS | 65  |
| 539 | RWM          | NULL  | 2003 | AWS | 0   |
| 540 | EWH-12       | NULL  | 2003 | AWS | 105 |
| 541 | B2.1-1 8-010 | NULL  | 2002 | AWS | 17  |
| 542 | C2.20 C2.20M | NULL  | 2002 | AWS | 41  |
| 543 | C2.16 C2.16M | NULL  | 2002 | AWS | 87  |
| 544 | B2.1-1 8-231 | NULL  | 2002 | AWS | 20  |
| 545 | D1.5M/D1.5   | Bridge Welding Code AASHTO BWC-4  | 2002 | AWS | 385 |
| 546 | D8.9M        | Recommended Practices for Test Methods for Evaluating the Resistance Spot Welding Behavior of Automotive Sheet Steel Materials SAE D8.9M-2002   | 2002 | AWS | 79  |
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| 549 | C4.2         | Operator's Manual for Oxyfuel Gas Cutting   | 2002 | AWS | 37  |
| 550 | C2.16/C2.16M | Guide for Thermal-Spray Operator Qualification  | 2002 | AWS | 87  |
| 551 | C2.20/C2.20M | Specificatiopn for Thermal Spraying Zinc Anodes on Steel Reinforced Concrete  | 2002 | AWS | 41  |
| 552 | CC-RM        | Code Clinic for Study of AWS D1.1 Structural Welding Code-Steel - Reference Manual  | 2002 | AWS | 71  |
| 553 | B2.1-22-015  | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Aluminum, (M/P/S-22 TO M/P/S-22), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site License            | 2002 | AWS | 18  |
| 554 | B5.14        | Specification for the Qualification of Welding Sales Representatives  | 2002 | AWS | 14  |
| 555 | C3.3         | Recommended Practices for Design, Manufacture, and Examination of Critical Brazed Components  | 2002 | AWS | 33  |
| 556 | B2.1-1-011   | Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Galvanized Steel(M-1), 10 Through 18 Gauge, in the As-Welded Condition, with or without Backing Site License                    | 2002 | AWS | 18  |
| 557 | B2.1-1-012   | Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel, (M-1,P-1, or S-1 to M-1, P-1 or S-1), 10 Through 18 Gauge, in the As-Welded Condition, with or without Backing Si | 2002 | AWS | 18  |
| 558 | B2.1-8-005   | Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding of Austenitic Stainless Steel (M-8 or P-8, or S-8), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site Licen | 2002 | AWS | 18  |

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| 559 | B2.1-8-009    | Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8,P-8,or S-8), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site License | 2002 | AWS | 18  |
| 560 | B2.1-8-013    | Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel, (SWPS) 10 Through 18 Gauge, in the As-Welded Condition, with or without Backing Site License         | 2002 | AWS | 18  |
| 561 | B2.1-1-003    | Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding of Galvanized Steel, (M-1), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site License                        | 2002 | AWS | 18  |
| 562 | B2.1-1-004    | Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding (Short Circuiting Transfer Mode) of Carbon Steel, (M-1, Group 1), 18 Through 10 Gauge, in the As-Welded Condition, with or without Back  | 2002 | AWS | 18  |
| 563 | B2.1-1-007    | Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Galvanized Steel,(M-1) 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site License                       | 2002 | AWS | 18  |
| 564 | B2.1-1-008    | Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1, P-1 or S-1), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site License              | 2002 | AWS | 18  |
| 565 | B2.1-1/8-006  | Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding of Carbon Steel to Austenitic Stainless Steel (M-1 to M-8, P-8 or S-8), 18 Through 10 Gauge, in the As-Welded Condition, with or with    | 2002 | AWS | 18  |
| 566 | B2.1-1/8-010  | Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel to Austenitic Stainless Steel (M-1, P-1, S-1 to M-8, P-8, or S-8), 18 Through 10 Gauge, in the As-Welded Condition    | 2002 | AWS | 18  |
| 567 | B2.1-1/8-014  | Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel to Austenitic Stainless Steel, (M-1 to M-8/P-8/S-8, Group 1), 10 Through 18 Gauge, in the As-Welded Condition, w    | 2002 | AWS | 18  |
| 568 | B2.1-1/8-227  | Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1/S-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/16 through 1-1/2 inch Thick,     | 2002 | AWS | 18  |
| 569 | B2.1-1/8-228  | Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 through 1-1/2 inch Thick,    | 2002 | AWS | 18  |
| 570 | B2.1-1/8-229  | Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/ S-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/ P-8/S-8,     | 2002 | AWS | 22  |
| 571 | B2.1-1/8-230  | Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (M-1/P-1/S-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/1    | 2002 | AWS | 20  |
| 572 | B2.1-1/8-231  | Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1,Groups 1 or 2) to Austenitic Stain    | 2002 | AWS | 20  |
| 573 | PRGWA         | The Practical Reference Guide for Welding Aluminum Commercial Applications   | 2002 | AWS | 41  |
| 574 | IFS-02        | International Index of Welding Filler Metal Classifications  | 2002 | AWS | 55  |
| 575 | PRGHF         | The Practical Reference Guide for Hardfacing   | 2002 | AWS | 21  |
| 576 | G2.1M/G2.1    | Guide for the Joining of Wrought Nickel-Based Alloys Reprinted, Incorporates Errata: October 2003  | 2002 | AWS | 57  |
| 577 | QC17          | Standard for Accreditation of Welding Fabricators for AWS Certified Welding Fabricator Program   | 2002 | AWS | 14  |
| 578 | QC19          | Specification for AWS Certification of Robotic Arc Welding Personnel   | 2002 | AWS | 24  |
| 579 | G1.10M        | Guide for The Evaluation of Hot Gas, Hot Gas Extrusion, and Heated Tool Butt Thermoplastic Welds   | 2001 | AWS | 45  |
| 580 | PRGQA         | The Practical Reference Guide for Welding Aluminum High-Quality Fusion Welding   | 2001 | AWS | 21  |
| 581 | PCWC          | Preparing Containers for Welding or Cutting  | 2001 | AWS | 0   |
| 582 | F2.2          | Lens Shade Selector  | 2001 | AWS | 1   |
| 583 | F2.3M         | Specification for Use and Performance of Transparent Welding Curtains and Screens  | 2001 | AWS | 15  |
| 584 | F3.2M/F3.2    | Ventilation Guide for Weld Fume  | 2001 | AWS | 36  |
| 585 | WHB-1.9       | Welding Science and Technology Ninth Edition; Volume I(Welding Handbook, Volume 1)   | 2001 | AWS | 758 |
| 586 | WHB-1.9 APP A | Terms and Definitions(Welding Handbook, Volume 1)  | 2001 | AWS | 89  |
| 587 | WHB-1.9 APP B | Metric Practice Guide for the Welding Industry(Welding Handbook, Volume 1)   | 2001 | AWS | 24  |
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| 591 | WHB-1.9 CH4   | Welding Metallurgy(Welding Handbook, Volume 1)  | 2001 | AWS | 42  |
| 592 | WHB-1.9 CH5   | Design for Welding(Welding Handbook, Volume 1)  | 2001 | AWS | 82  |
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| 595 | WHB-1.9 CH8   | Symbols for Joining and Inspection(Welding Handbook, Volume 1)  | 2001 | AWS | 35  |
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| 597 | WHB-1.9 CH10  | Monitoring and Control of Welding and Joining Process(Welding Handbook, Volume 1)   | 2001 | AWS | 29  |
| 598 | WHB-1.9 CH11  | Mechanized, Automated, and Robotic Welding(Welding Handbook, Volume 1)  | 2001 | AWS | 32  |
| 599 | WHB-1.9 CH12  | Economics of Welding and Cutting(Welding Handbook, Volume 1)  | 2001 | AWS | 49  |
| 600 | WHB-1.9 CH13  | Weld Quality(Welding Handbook, Volume 1)  | 2001 | AWS | 45  |
| 601 | WHB-1.9 CH14  | Welding Inspection and Nondestructive Examination(Welding Handbook, Volume 1)   | 2001 | AWS | 58  |
| 602 | WHB-1.9 CH15  | Qualification and Certification(Welding Handbook, Volume 1)   | 2001 | AWS | 45  |
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| 604 | WHB-1.9 CH17  | Safe Practices  | 2001 | AWS | 47  |
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| 606 | WHB-1.9 IMS   | Index of Major Subjects   | 2001 | AWS | 18  |
| 607 | WHB-1.9 INDEX | Index   | 2001 | AWS | 28  |
| 608 | API-M         | Code Clinic for Study of API Standard 1104 Nineteenth Edition Welding of Pipelines and Related Facilities - Reference Manual  | 2001 | AWS | 60  |
| 609 | ARE-5         | Design for Welding  | 2001 | AWS | 169 |
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| 612 | ARE-12        | Economics of Welding and Cutting  | 2001 | AWS | 105 |
| 613 | A1.1          | Metric Practice Guide for the Welding Industry  | 2001 | AWS | 41  |
| 614 | A3.0          | Standard Welding Terms and Definitions Including Terms for Adhesive Bonding, Brazing, Soldering, Thermal Cutting, and Thermal Spraying  | 2001 | AWS | 147 |
| 615 | A4.4M         | Standard Procedures for Determination of Moisture Content of Welding Fluxes and Welding Electrode Flux Coverings  | 2001 | AWS | 30  |
| 616 | A5.18/A5.18M  | Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding   | 2001 | AWS | 40  |
| 617 | A5.21         | Specification for Bare Electrodes and Rods for Surfacing R(1989)  | 2001 | AWS | 38  |
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| 619 | B2.1-8-216    | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Insert Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 Through 1-1/2 | 2001 | AWS | 25  |
| 620 | B5.2          | Specification for the Qualification of Welding Inspector Specialists and Welding Inspector Assistants   | 2001 | AWS | 21  |
| 621 | B2.1-8-024    | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/16 Through 1-1/2 Inch Thick, ER3XX, As-Welded Condition Primarily Plate and S | 2001 | AWS | 26  |
| 622 | B2.1-8-025    | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 Through 1-1/2 Inch Thick, E3XX-XX, A | 2001 | AWS | 26  |
| 623 | B2.1-8-212    | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/16 Through 1-1/2 Inch Thick, ER3XX, As-Welded Condition, Primarily Pipe Appli | 2001 | AWS | 22  |

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| 624 | B2.1-1-210      | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Inserts of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, INMs-1 and ER70S-2, As-Welded or P | 2001 | AWS | 22  |
| 625 | B2.1-1-211      | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Insert Root Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S- 1, Group 1 or 2), 1/8 Through 1-1/2 In | 2001 | AWS | 22  |
| 626 | B2.1-8-214      | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 Through 1-1/2 Inch Thick, ER3XX, E3X | 2001 | AWS | 23  |
| 627 | C5.2            | Recommended Practices for Plasma Arc Cutting and Gouging  | 2001 | AWS | 53  |
| 628 | C3.2M/C3.2      | Standard Method for Evaluating the Strength of Brazed Joints Errata 2001  | 2001 | AWS | 38  |
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| 630 | D15.1           | Railroad Welding Specification - Cars and Locomotives   | 2001 | AWS | 388 |
| 631 | D16.2/D16.2M    | Guide for Components of Robotic and Automatic Arc Welding Installations   | 2001 | AWS | 25  |
| 632 | D16.3M/D16.3    | Risk Assessment Guide for Robotic Arc Welding   | 2001 | AWS | 22  |
| 633 | D17.1           | Specification for Fusion Welding for Aerospace Applications Incorporating Errata  | 2001 | AWS | 95  |
| 634 | EWH-11          | Effects of Welding on Health, XI  | 2001 | AWS | 81  |
| 635 | EWH-ACD         | Effects of Welding on Health, All Volumes 1 through 11 and CD-Rom Index   | 2001 | AWS | 0   |
| 636 | EWH-ALL         | Effects of Welding on Health Set of 11 Books - Includes Hardcopy Index  | 2001 | AWS | 0   |
| 637 | EWH-ICD         | Effects of Welding on Health, Volume 1 through 11 CD-Rom Index  | 2001 | AWS | 0   |
| 638 | C2.18           | Guide for the Protection of Steel with Thermal Sprayed Coatings of Aluminum and Zinc and Their Alloys and Composites  | 2001 | AWS | 43  |
| 639 | D10.13_D10.13 M | NULL  | 2001 | AWS | 21  |
| 640 | F3.2M F3.2      | NULL  | 2001 | AWS | 43  |
| 641 | WHC1.04         | NULL  | 2001 | AWS | 48  |
| 642 | WHC1.05         | NULL  | 2001 | AWS | 82  |
| 643 | WHC1.06         | NULL  | 2001 | AWS | 58  |
| 644 | WHC1.07         | NULL  | 2001 | AWS | 62  |
| 645 | WHC1.08         | NULL  | 2001 | AWS | 42  |
| 646 | WHC1.10         | NULL  | 2001 | AWS | 36  |
| 647 | WHC1.11         | NULL  | 2001 | AWS | 38  |
| 648 | WHC1.12         | NULL  | 2001 | AWS | 50  |
| 649 | B2.1-8-215      | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Insert of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 Through 1-1/2 Inch Thick, IN3XX and ER3XX, As-Welded | 2001 | AWS | 25  |
| 650 | WIH             | Welding Inspection Handbook   | 2001 | AWS | 243 |
| 651 | PHB-4           | NULL  | 2000 | AWS | 50  |
| 652 | PHB-5           | NULL  | 2000 | AWS | 24  |
| 653 | SHB             | Soldering Handbook(Soldering Manual)  | 2000 | AWS | 577 |
| 654 | D10.12M_D10.12  | NULL  | 2000 | AWS | 49  |
| 655 | D3.5            | Guide for Steel Hull Welding R(2000)  | 2000 | AWS | 122 |
| 656 | D10.4           | Recommended Practices for Welding Austenitic Chromium-Nickel Stainless Steel Piping and Tubing R(2000)  | 2000 | AWS | 44  |
| 657 | D10.6 D10.6M    | NULL  | 2000 | AWS | 29  |
| 658 | D14.3/D14.3M    | Specification for Welding Earthmoving and Construction Equipment  | 2000 | AWS | 106 |
| 659 | D10.12M/D10.12  | Guide for Welding Mild Steel Pipe   | 2000 | AWS | 45  |

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| 664 | C5.7         | Recommended Practices for Electrogas Welding   | 2000 | AWS | 65  |
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| 666 | C5.3         | Recommended Practices for Air Carbon Arc Gouging and Cutting   | 2000 | AWS | 29  |
| 667 | C4.5M        | Uniform Designation System for Oxyfuel Nozzles Errata:2000   | 2000 | AWS | 14  |
| 668 | CM           | Certification Manual for Welding Inspectors Fourth Edition   | 2000 | AWS | 317 |
| 669 | CM ANNEX A   | Additional Resources   | 2000 | AWS | 6   |
| 670 | CM ANNEX B   | Sample Forms   | 2000 | AWS | 14  |
| 671 | CM ANNEX C   | Answer Key Review Questions Chapters 1 - 13  | 2000 | AWS | 5   |
| 672 | CM CH 1      | Welding Inspector  | 2000 | AWS | 10  |
| 673 | CM CH 2      | Welding Inspector Responsibilities   | 2000 | AWS | 16  |
| 674 | CM CH 3      | Safety   | 2000 | AWS | 9   |
| 675 | CM CH 4      | Standards, Including Codes and Specifications  | 2000 | AWS | 9   |
| 676 | CM CH 5      | Weld Geometry and Welding Terminology  | 2000 | AWS | 24  |
| 677 | CM CH 6      | Welding and Nondestructive Examination Symbols   | 2000 | AWS | 32  |
| 678 | CM CH 7      | Weldability, Welding Metallurgy, and Welding Chemistry   | 2000 | AWS | 22  |
| 679 | CM CH 8      | Destructive Testing  | 2000 | AWS | 32  |
| 680 | CM CH 9      | Welding, Procedure and Welder Qualification  | 2000 | AWS | 22  |
| 681 | CM CH 10     | Welding, Brazing, and Cutting Processes  | 2000 | AWS | 40  |
| 682 | CM CH 11     | Weld and Base Metal Discontinuities  | 2000 | AWS | 25  |
| 683 | CM CH 12     | Nondestructive Examination (NDE) Processes   | 2000 | AWS | 20  |
| 684 | CM CH 13     | Inspection Reports   | 2000 | AWS | 5   |
| 685 | CM INDEX     | (Withdrawn)Index   | 2000 | AWS | 0   |
| 686 | CM INTRO     | Contents; 2000   | 2000 | AWS | 16  |
| 687 | B5.5         | Specification for the Qualification of Welding Educators   | 2000 | AWS | 27  |
| 688 | B5.9         | Specification for the Qualification of Welding Supervisors   | 2000 | AWS | 15  |
| 689 | B4.0M        | Standard Methods for Mechanical Testing of Welds   | 2000 | AWS | 113 |
| 690 | C1.1M/C1.1   | Recommended Practices for Resistance Welding   | 2000 | AWS | 114 |
| 691 | B5.17        | Specification for the Qualification of Welding Fabricators   | 2000 | AWS | 13  |
| 692 | A5.13        | Specification for Surfacing Electrodes for Shielded Metal Arc Welding  | 2000 | AWS | 33  |
| 693 | B1.11        | Guide for the Visual Examination of Welds  | 2000 | AWS | 45  |
| 694 | B2.1         | Specification for Welding Procedure and Performance Qualification  | 2000 | AWS | 249 |
| 695 | PWE          | The Practical Welding Engineer   | 2000 | AWS | 154 |
| 696 | PHB-2        | Everyday Pocket Handbook for Visual Inspection and Weld Discontinuities  | 2000 | AWS | 0   |
| 697 | FMC          | Filler Metal Comparison Charts   | 2000 | AWS | 472 |
| 698 | FMPK         | Filler Metal Comparison Charts and CD Package  | 2000 | AWS | 0   |
| 699 | WI           | Welding Inspection Handbook Third Edition(Welding Inspection)  | 2000 | AWS | 255 |
| 700 | WI CH 1      | Application and Scope(Welding Inspection)  | 2000 | AWS | 0   |

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| 702 | WI CH 3              | Requirements for the Welding Inspector(Welding Inspection)  | 2000 | AWS | 0   |
| 703 | WI CH 4              | Welding Inspection Operations(Welding Inspection)   | 2000 | AWS | 0   |
| 704 | WI CH 5              | Inspection Safety Considerations(Welding Inspection)  | 2000 | AWS | 3   |
| 705 | WI CH 6              | Quality Assurance(Welding Inspection)   | 2000 | AWS | 0   |
| 706 | WI CH 7              | Ferrous Welding Metallurgy(Welding Inspection)  | 2000 | AWS | 0   |
| 707 | WI CH 8              | Preheating and Postweld Heat Treating(Welding Inspection)   | 2000 | AWS | 0   |
| 708 | WI CH 9              | Weld and Weld Related Discontinuities(Welding Inspection)   | 2000 | AWS | 0   |
| 709 | WI CH 10             | Qualification of Welding Procedure Specifications(Welding Inspection)   | 2000 | AWS | 0   |
| 710 | WI CH 11             | Qualification of Welders and Welding Operators(Welding Inspection)  | 2000 | AWS | 11  |
| 711 | WI CH 12             | Computerization of Welding Inspection and Quality(Welding Inspection)   | 2000 | AWS | 6   |
| 712 | WI CH 13             | Destructive Testing of Welds(Welding Inspection)  | 2000 | AWS | 0   |
| 713 | WI CH 14             | Proof Tests(Welding Inspection)   | 2000 | AWS | 0   |
| 714 | WI CH 15             | Nondestructive Examination Methods(Welding Inspection)  | 2000 | AWS | 89  |
| 715 | WI CH 16             | Qualification of Nondestructive Examination Personnel(Welding Inspection)   | 2000 | AWS | 1   |
| 716 | WI CH 17             | Codes and Other Standards(Welding Inspection)   | 2000 | AWS | 0   |
| 717 | WI CH 18             | Metric Practice(Welding Inspection)   | 2000 | AWS | 0   |
| 718 | WI INDEX             | Index to Welding Inspection(Welding Inspection)   | 2000 | AWS | 0   |
| 719 | WI TABLE OF CONTENTS | Welding Inspection Handbook Third Edition(Welding Inspection)   | 2000 | AWS | 10  |
| 720 | WIT-T                | Welding Inspection Technology Fourth Edition  | 2000 | AWS | 0   |
| 721 | WIT-W-99             | Welding Inspection Technology Wookbook Third Edition  | 1999 | AWS | 0   |
| 722 | Z49.1                | Safety in Welding, Cutting and Allied Processes   | 1999 | AWS | 58  |
| 723 | G1.2M/G1.2           | Specification for Standardized Ultrasonic Welding Test Specimen for Thermoplastics  | 1999 | AWS | 28  |
| 724 | PRGT                 | The Practical Reference Guide for Welding Titanium  | 1999 | AWS | 16  |
| 725 | PRGVT                | The Practical Reference Guide for Welding Inspection Management - Visual Inspection of Pressure Vessels and Pressure Piping | 1999 | AWS | 32  |
| 726 | PASS                 | Professional's Advisor on Welding Stainless Steels  | 1999 | AWS | 0   |
| 727 | F4.1                 | Recommended Safe Practices for the Preparation for Welding and Cutting of Containers and Piping                             | 1999 | AWS | 13  |
| 728 | PRGWM                | The Practical Reference Guide to Welding Metallurgy - Key Concepts for Weldability  | 1999 | AWS | 34  |
| 729 | PRGC                 | The Practical Reference Guide for Corrosion of Welds - Causes and Cures   | 1999 | AWS | 29  |
| 730 | SHB                  | Soldering Handbook(Soldering Manual)  | 1999 | AWS | 575 |
| 731 | SHB ANNEX A          | Annex A(Soldering Manual)   | 1999 | AWS | 3   |
| 732 | SHB ANNEX B          | Annex B(Soldering Manual)   | 1999 | AWS | 1   |
| 733 | SHB ANNEX C          | Annex C(Soldering Manual)   | 1999 | AWS | 9   |
| 734 | SHB ANNEX D          | Annex D(Soldering Manual)   | 1999 | AWS | 4   |
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| 736 | SHB CH 1             | Fundamentals of Soldering Technology(Soldering Manual)  | 1999 | AWS | 178 |
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| 739 | SHB CH 4     | Fluxes(Soldering Manual)  | 1999 | AWS | 20  |
| 740 | SHB CH 5     | Solder Pastes(Soldering Manual)   | 1999 | AWS | 2   |
| 741 | SHB CH 6     | Assembly Processes(Soldering Manual)  | 1999 | AWS | 134 |
| 742 | SHB CH 7     | Inspection Techniques for Product Acceptance and Process Optimization(Soldering Manual)   | 1999 | AWS | 53  |
| 743 | SHB CH 8     | Environmental, Safety, and Health(Soldering Manual)   | 1999 | AWS | 12  |
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| 745 | SHB INTRO    | Soldering Handbook(Soldering Manual)  | 1999 | AWS | 27  |
| 746 | API-IM       | Code Clinic for Study of API Standard 1104 Eighteenth Edition Welding of Pipelines and Related Facilities - Instruction Manual  | 1999 | AWS | 135 |
| 747 | AWS          | Arc Welding Safety  | 1999 | AWS | 0   |
| 748 | B1.10        | Guide for the Nondestructive Examination of Welds   | 1999 | AWS | 45  |
| 749 | A5.3/A5.3M   | Specification for Aluminum and Aluminum-Alloy Electrodes for Shielded Metal Arc Welding   | 1999 | AWS | 26  |
| 750 | A5.10/A5.10M | Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods  | 1999 | AWS | 38  |
| 751 | B2.1-4-217   | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), ER80S-B2, 1/8 Through 1/2 in. Thick As-Welded Condition, 1/8 Through 3/4 in. Th | 1999 | AWS | 20  |
| 752 | B2.1-4-218   | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), E8018-B2, 1/8 Through 1/2 in. Thick As-Welded Condition, 1/8 Through 1-1/2 in | 1999 | AWS | 18  |
| 753 | B2.1-4-219   | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), 1/8 Through 1/2 in. Thick, As-Welded Con | 1999 | AWS | 21  |
| 754 | B2.1-4-220   | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), E8018-B2, 1/8 Through 1/2 in. Thick, As-Welded Condi   | 1999 | AWS | 23  |
| 755 | B2.1-4-221   | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), 1/8 Through 1/2 | 1999 | AWS | 23  |
| 756 | B2.1-5A-222  | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER90S-B3, 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 3/4 in. Thick, PWHT   | 1999 | AWS | 20  |
| 757 | B2.1-5A-223  | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER9018-B3, 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 1-1/2 in. Thick,   | 1999 | AWS | 19  |
| 758 | B2.1-5A-224  | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8  | 1999 | AWS | 21  |
| 759 | B2.1-5A-225  | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 3/4 i  | 1999 | AWS | 23  |
| 760 | B2.1-5A-226  | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick,  | 1999 | AWS | 23  |
| 761 | C1.4M/C1.4   | Specification for Resistance Welding of Carbon and Low-Alloy Steels   | 1999 | AWS | 28  |
| 762 | C3.4         | Specification for Torch Brazing   | 1999 | AWS | 16  |
| 763 | C3.5         | Specification for Induction Brazing   | 1999 | AWS | 16  |
| 764 | C3.6         | Specification for Furnace Brazing   | 1999 | AWS | 17  |
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| 766 | C7.3         | Process Specification for Electron Beam Welding   | 1999 | AWS | 20  |
| 767 | C7.1         | Recommended Practices for Electron Beam Welding   | 1999 | AWS | 64  |
| 768 | D1.6         | Structural Welding Code - Stainless Steel   | 1999 | AWS | 215 |
| 769 | D3.6M        | Specification for Underwater Welding  | 1999 | AWS | 132 |
| 770 | D10.10/D.10M | Recommended Practices for Local Heating of Welds in Piping and Tubing   | 1999 | AWS | 107 |

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| 771 | D16.4             | Specification for the Qualification of Robotic Arc Welding Personnel  | 1999 | AWS | 15  |
| 772 | F1.1              | Method for Sampling Airborne Particulates Generated by Welding and Allied Processes   | 1999 | AWS | 17  |
| 773 | F1.2              | Laboratory Method for Measuring Fume Generation Rates and Total Fume Emission of Welding and Allied Processes   | 1999 | AWS | 18  |
| 774 | F1.3              | Sampling Strategy Guide for Evaluating Contaminants in the Welding Environment  | 1999 | AWS | 23  |
| 775 | D18.1             | Specification for Welding of Austenitic Stainless Steel Tube and Pipe Systems in Sanitary (Hygienic) Applications   | 1999 | AWS | 19  |
| 776 | D18.2             | Guide to Weld Discoloration Levels on Inside of Austenitic Stainless Steel Tube   | 1999 | AWS | 2   |
| 777 | DPW               | Design and Planning Manual for Cost-Effective Welding   | 1999 | AWS | 132 |
| 778 | D1.3              | Structural Welding Code - Sheet Steel Errata  | 1998 | AWS | 74  |
| 779 | D1.4              | Structural Welding Code - Reinforcing Steel Errata  | 1998 | AWS | 55  |
| 780 | C7.2              | Recommended Practices for Laser Beam Welding, Cutting, and Drilling   | 1998 | AWS | 116 |
| 781 | CC-IM             | Code Clinic for Study of AWS D1.1 Structural Welding code - Steel   | 1998 | AWS | 96  |
| 782 | B4.0              | Standard Methods for Mechanical Testing of Welds  | 1998 | AWS | 113 |
| 783 | B2.1-8-215        | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Insert of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 Through 1-1/2 Inch Thick, IN3XX and ER3XX, As-Welded | 1998 | AWS | 20  |
| 784 | B2.1-1-027        | Standard Welding Procedure Specification (WPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1/2 Inch Thick, E71T-11, As-Welded Condition Site License        | 1998 | AWS | 18  |
| 785 | A2.1-DC           | Welding Symbols Chart - Desk Size (Laminated)   | 1998 | AWS | 0   |
| 786 | A2.1-WC           | Welding Symbols Chart - Wall Size of A2.1 (Laminated)   | 1998 | AWS | 0   |
| 787 | A2.1 WC & DC      | Welding Symbols Wall and Desk Charts (Laminated)  | 1998 | AWS | 0   |
| 788 | A2.4              | Standard Symbols for Welding, Brazing, and Nondestructive Examination   | 1998 | AWS | 118 |
| 789 | A2.4/A2.1 SET     | Standard Symbols for Welding, Brazing, and Nondestructive Examination Book and Charts Set   | 1998 | AWS | 0   |
| 790 | A5.12/A5.12M      | Specification for Tungsten and Tungsten-Alloy Electrodes for Arc Welding and Cutting  | 1998 | AWS | 22  |
| 791 | A5.29             | Specification for Low-Alloy Steel Electrodes for Flux Cored Arc Welding   | 1998 | AWS | 47  |
| 792 | EWH-10            | Effects of Welding on Health X  | 1998 | AWS | 101 |
| 793 | FACT SHEET NO. 19 | Laser Welding and Cutting Safety  | 1998 | AWS | 2   |
| 794 | IFS-P             | Package of Book and CD to IFS:1998  | 1998 | AWS | 0   |
| 795 | IQCC              | Welding Inspection & Quality Control Course 36; Lesson Number and Title; 1-14   | 1998 | AWS | 483 |
| 796 | GWF               | Guide for the Design of a Welder Training Facility  | 1998 | AWS | 45  |
| 797 | URS               | AWS Ultrasonic Rulers and Guide Set   | 1998 | AWS | 0   |
| 798 | VIW-IM            | Visual Inspection Workshop Instructors Manual   | 1998 | AWS | 63  |
| 799 | WHB-4 PART 2      | Materials and Applications - Part 2 Eighth Edition(Welding Handbook, Vol. 4)  | 1998 | AWS | 12  |
| 800 | WHB-4 PART 2 CH 1 | Carbon and Low-Alloy Steels(Welding Handbook, Vol. 4)   | 1998 | AWS | 73  |
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| 802 | WHB-4 PART 2 CH 3 | Coated Steels(Welding Handbook, Vol. 4)   | 1998 | AWS | 86  |
| 803 | WHB-4 PART 2 CH 4 | Tool and Die Steels(Welding Handbook, Vol. 4)   | 1998 | AWS | 35  |
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| 807 | WHB-4 PART<br>2 CH 8  | Cast Irons(Welding Handbook, Vol. 4)  | 1998 | AWS | 50  |
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| 812 | PHB-7                 | NULL  | 1998 | AWS | 35  |
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| 815 | WIT                   | Welding Inspection Technology WORKBOOK  | 1998 | AWS | 82  |
| 816 | RWMA<br>BULLETIN 34   | NULL  | 1997 | AWS | 15  |
| 817 | VIW-M                 | Visual Inspection Workshop Reference Manual   | 1997 | AWS | 148 |
| 818 | WQAG                  | Welding Quality Assurance Guideline for Fabricators   | 1997 | AWS | 0   |
| 819 | FACT SHEET<br>NO. 18  | Lockout/Tagout  | 1997 | AWS | 1   |
| 820 | FWSH                  | Design Handbook for Calculating Fillet Weld Sizes   | 1997 | AWS | 27  |
| 821 | JWE                   | Jefferson's Welding Encyclopedia Eighteenth Edition   | 1997 | AWS | 768 |
| 822 | FACT SHEET<br>NO. 20  | Thermal Spraying Safety   | 1997 | AWS | 3   |
| 823 | FGW                   | Contents(Fumes and Gases in the Welding Environment)  | 1997 | AWS | 14  |
| 824 | FACT SHEET<br>NO. 2   | Radiation   | 1997 | AWS | 3   |
| 825 | FACT SHEET<br>NO. 16  | Pacemakers and Welding  | 1997 | AWS | 1   |
| 826 | FACT SHEET<br>NO. 5   | Electrical Hazards  | 1997 | AWS | 2   |
| 827 | A5.30                 | Specification for Consumable Inserts  | 1997 | AWS | 29  |
| 828 | A5.32                 | Specification for Welding Shielding Gases   | 1997 | AWS | 26  |
| 829 | A5-ALL                | Filler Metal Procurement Guidelines   | 1997 | AWS | 0   |
| 830 | A5.14/A5.14M          | Specification for Nickel and Nickel-Alloy Bare Welding Electrodes and Rods  | 1997 | AWS | 30  |
| 831 | A5.17/A5.17M          | Specification for Carbon Steel Electrodes and Fluxes for Submerged Arc Welding  | 1997 | AWS | 37  |
| 832 | A5.23/A5.23M          | Specification for Low Alloy Steel Electrodes and Fluxes for Submerged Arc Welding   | 1997 | AWS | 44  |
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| 835 | A4.2M/A4.2            | Standard Procedures for Calibrating Magnetic Instruments to Measure the Delta Ferrite Content of Austenitic and Duplex Ferritic-Austenitic Stainless Steel Weld Metal | 1997 | AWS | 31  |

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| 836 | A5.11/A5.11M      | Specification for Nickel and Nickel-Alloy Welding Electrodes for Shielded Metal Arc Welding   | 1997 | AWS | 41  |
| 837 | B2.1-8-213        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 Through 1-1/2 Inch Thick, ER3XX-XX, As-Welded Condition (Primarily Pipe A | 1997 | AWS | 20  |
| 838 | D14.1             | Specification for Welding of Industrial and Mill Cranes and Other Material Handling Equipment   | 1997 | AWS | 141 |
| 839 | D8.8              | Specification for Automotive and Light Truck Components Weld Quality - Arc Welding SAE HS J1196   | 1997 | AWS | 21  |
| 840 | F1.4              | Methods for Analysis of Airborne Particulates Generated by Welding and Allied Processes   | 1997 | AWS | 25  |
| 841 | D14.4             | Specification for Welded Joints in Machinery and Equipment  | 1997 | AWS | 138 |
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| 843 | D14.6             | Specification for Welding of Rotating Elements of Equipment   | 1996 | AWS | 110 |
| 844 | EG3.0             | Guide for the Training and Qualification of Welding Personnel Level II - Advanced Welder  | 1996 | AWS | 164 |
| 845 | EG4.0             | Guide for the Training and Qualification of Welding Personnel Level III - Expert Welder   | 1996 | AWS | 150 |
| 846 | ELW-SET           | EG2.0-95 And QC10-95  | 1996 | AWS | 0   |
| 847 | ELW-SET-B         | EG3.0-96 and QC11-96  | 1996 | AWS | 0   |
| 848 | ELW-SET-C         | EG4.0-96 and QC12-96  | 1996 | AWS | 0   |
| 849 | ELW-SET-D         | Econo Package: EG2.0-95, EG3.0-96, EG4.0-96, QC10-95, QC11-96, QC12-96  | 1996 | AWS | 0   |
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| 851 | D1.5-M            | Bridge Welding Code AASHTO BWC-3  | 1996 | AWS | 236 |
| 852 | A5.5              | Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding   | 1996 | AWS | 55  |
| 853 | A5.28             | Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding  | 1996 | AWS | 43  |
| 854 | B2.1-1-201        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Uphill) Followed by E7018 (Vertical Uphill | 1996 | AWS | 13  |
| 855 | B2.1-1-202        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Downhill) Followed by E7018 (Vertical Uphi | 1996 | AWS | 13  |
| 856 | B2.1-1-203        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Uphill), As-Welded Condition (Primarily Pi | 1996 | AWS | 13  |
| 857 | B2.1-1-204        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Downhill Root with the Balance Vertical Up | 1996 | AWS | 13  |
| 858 | B2.1-1-205        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Uphill) Followed by E7018 (Vertical Uphi | 1996 | AWS | 15  |
| 859 | B2.1-1-206        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Downhill) Followed by E7018 (Vertical Up | 1996 | AWS | 14  |
| 860 | B2.1-1-207        | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, ER70S-2, As- Welded or PWHT Condition (Primarily Pipe Appl | 1996 | AWS | 13  |
| 861 | B2.1-1-208        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E7018, As-Welded or PWHT Condition (Primarily Pipe Appli | 1996 | AWS | 12  |
| 862 | B2.1-1-209        | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, ER70S-2 and E7018,  | 1996 | AWS | 16  |
| 863 | FACT SHEET NO. 17 | Electric and Magnetic Fields (EMF)  | 1996 | AWS | 1   |
| 864 | PHSP WC & DC      | Suggester Filler Materials and Minimum Preheat Temperatures for Welding Steel Pipe with Wall Thickness Less than 3/4", Wall and Desk Charts   | 1996 | AWS | 0   |
| 865 | PHSS WC & DC      | Suggested Pretemperatures for Welding Structural Steel Materails Wall and Desk Charts   | 1996 | AWS | 0   |
| 866 | FMS D             | Suggested Filler Materials for Welding Structural Steel Desk Chart  | 1996 | AWS | 0   |
| 867 | FMS W             | Suggested Filler Materials for Welding Structural Steel Wall Chart  | 1996 | AWS | 0   |

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| 868 | FMS WC & DC      | Suggested Filler Materials for Welding Structural Steel, Wall Chart and Desk Chart                                       | 1996 | AWS | 0   |
| 869 | FORM E-1         | Welding Procedure Specification (WPS)  | 1996 | AWS | 0   |
| 870 | FORM E-3         | WPS Qualification Test Record for Electroslag and Electrode Gas Welding  | 1996 | AWS | 0   |
| 871 | FORM E-4         | Welder, Welding Operator, or Tack Welder Qualification Test Record   | 1996 | AWS | 0   |
| 872 | FORM E-7         | Report of Radiographic Examination of Welds  | 1996 | AWS | 0   |
| 873 | FORM E-8         | Report of Magnetic-Particle Examination of Welds   | 1996 | AWS | 0   |
| 874 | FORM E-9         | Stud Welding Procedure Specification (WPS) or Procedure Qualification Record (PQR) or Welding Qualification Record (WQR) | 1996 | AWS | 0   |
| 875 | QC1              | Standard for AWS Certification of Welding Inspectors   | 1996 | AWS | 18  |
| 876 | TSM              | Thermal Spray Manual - A Practical Reference Guide   | 1996 | AWS | 184 |
| 877 | QC11             | Specification for Qualification and Certification for Level II - Advanced Welders  | 1996 | AWS | 40  |
| 878 | QCM12            | Specification for Qualification and Certification for Level III - Expert Welders   | 1996 | AWS | 32  |
| 879 | WHB-3            | Materials and Applications - Part 1(Welding Handbook, Vol. 3)  | 1996 | AWS | 11  |
| 880 | WHB-3 CH 1       | Aluminum and Aluminum Alloys(Welding Handbook, Vol. 3)   | 1996 | AWS | 119 |
| 881 | WHB-3 CH 2       | Magnesium and Magnesium Alloys(Welding Handbook, Vol. 3)   | 1996 | AWS | 42  |
| 882 | WHB-3 CH 3       | Copper and Copper Alloys(Welding Handbook, Vol. 3)   | 1996 | AWS | 54  |
| 883 | WHB-3 CH 4       | Nickel and Cobalt Alloys(Welding Handbook, Vol. 3)   | 1996 | AWS | 72  |
| 884 | WHB-3 CH 5       | Lead and Zinc(Welding Handbook, Vol. 3)  | 1996 | AWS | 29  |
| 885 | WHB-3 CH 6       | Plastics(Welding Handbook, Vol. 3)   | 1996 | AWS | 33  |
| 886 | WHB-3 CH 7       | Composites(Welding Handbook, Vol. 3)   | 1996 | AWS | 36  |
| 887 | WHB-3 CH 8       | Ceramics(Welding Handbook, Vol. 3)   | 1996 | AWS | 28  |
| 888 | WHB-3 CH 9       | Maintenance and Repair Welding(Welding Handbook, Vol. 3)   | 1996 | AWS | 28  |
| 889 | WHB-3 CH 10      | Underwater Welding and Cutting(Welding Handbook, Vol. 3)   | 1996 | AWS | 56  |
| 890 | WHB-3 HDBK       | Materials and Applications - Part 1(Welding Handbook, Vol. 3)  | 1996 | AWS | 533 |
| 891 | WHB-3 INDEX      | Index(Welding Handbook, Vol. 3)  | 1996 | AWS | 25  |
| 892 | RWMA BULLETIN 14 | NULL   | 1996 | AWS | 30  |
| 893 | RWMA BULLETIN 16 | NULL   | 1996 | AWS | 157 |
| 894 | QC12             | NULL   | 1996 | AWS | 34  |
| 895 | WHB-3.8          | NULL   | 1996 | AWS | 533 |
| 896 | QC10             | Specification for Qualification and Certification for Entry Level Welders  | 1995 | AWS | 26  |
| 897 | UGFM             | AWS User's Guide to Filler Metals  | 1995 | AWS | 127 |
| 898 | WJT-G            | Joint - Weld Terminology and Standard Welding Symbols Interpretation   | 1995 | AWS | 0   |
| 899 | PRG              | The Practical Reference Guide for Radiographic Inspection - Acceptance Criteria  | 1995 | AWS | 35  |
| 900 | FACT SHEET NO. 3 | Noise  | 1995 | AWS | 2   |
| 901 | FACT SHEET NO. 4 | Chromium and Nickel in Welding Fume  | 1995 | AWS | 2   |
| 902 | FACT SHEET NO. 1 | Fumes and Gases  | 1995 | AWS | 2   |
| 903 | FACT SHEET NO. 6 | Fire and Explosion Prevention  | 1995 | AWS | 2   |

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| 904 | FACT SHEET NO. 7  | Burn Protection   | 1995 | AWS | 2   |
| 905 | FACT SHEET NO. 8  | Mechanical Hazards  | 1995 | AWS | 2   |
| 906 | FACT SHEET NO. 9  | Tripping and Falling  | 1995 | AWS | 2   |
| 907 | FACT SHEET NO. 10 | Falling Objects   | 1995 | AWS | 1   |
| 908 | FACT SHEET NO. 11 | Confined Spaces   | 1995 | AWS | 2   |
| 909 | FACT SHEET NO. 12 | Contact Lens Wear   | 1995 | AWS | 2   |
| 910 | FACT SHEET NO. 13 | Ergonomics in the Welding Environment   | 1995 | AWS | 2   |
| 911 | FACT SHEET NO. 14 | Graphic Symbols for Precautionary Labels  | 1995 | AWS | 3   |
| 912 | FACT SHEET NO. 15 | Style Guidelines for Safety and Health Documents  | 1995 | AWS | 3   |
| 913 | EWH-9             | Effects of Welding on Health IX   | 1995 | AWS | 72  |
| 914 | A5.20             | Specification for Carbon Steel Electrodes for Flux Cored Arc Welding  | 1995 | AWS | 41  |
| 915 | A5.22             | Specification for Stainless Steel Electrodes for Flux Cored Arc Welding and Stainless Steel Flux Cored Rods for Gas Tungsten Arc Welding  | 1995 | AWS | 45  |
| 916 | AWR               | Arc Welding with Robots: Do's and Don'ts  | 1995 | AWS | 0   |
| 917 | D10.13            | Recommended Practices for the Brazing of Copper Pipe and Tubing for Medical Gas Systems   | 1995 | AWS | 15  |
| 918 | EG2.0             | Guide for The Training and Qualification of Welding Personnel Entry Level Welder  | 1995 | AWS | 131 |
| 919 | D15.2             | Recommended Practices for the Welding of Rails and Related Rail Components for Use by Rail Vehicles   | 1994 | AWS | 38  |
| 920 | D16.2             | Standard for Components of Robotic and Automatic Welding Installations  | 1994 | AWS | 16  |
| 921 | C5.10             | Recommended Practices for Shielding Gases for Welding and Plasma Arc Cutting  | 1994 | AWS | 54  |
| 922 | B2.1-1-016        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E7018, As-Welded or PWHT Condition Site License          | 1994 | AWS | 18  |
| 923 | B2.1-1-017        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010, As-Welded or PWHT Condition Site License          | 1994 | AWS | 18  |
| 924 | B2.1-1-018        | Standard Welding Procedure Specification (WPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E71T-8, As-Welded Condition Site License       | 1994 | AWS | 18  |
| 925 | B2.1-1-019        | Standard Welding Procedure Specification (WPS) for CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E70T-1 and E71T-1, As-Welded Condition Site Lic | 1994 | AWS | 18  |
| 926 | B2.1-1-020        | Standard Welding Procedure Specification (WPS) for 75% Ar/25% CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E70T-1 and E71T-1, As-Welded or PWHT | 1994 | AWS | 18  |
| 927 | B2.1-1-021        | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, ER70S-2 and E7018,  | 1994 | AWS | 18  |
| 928 | B2.1-1-022        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Uphill) Followed by E7018, As-Welded or  | 1994 | AWS | 18  |
| 929 | B2.1-1-026        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Downhill) Followed by E7018, As-Welded o | 1994 | AWS | 18  |
| 930 | B2.1-8-023        | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 Through 1-1/2 Inch Thick, As-Welded Condition Site License                | 1994 | AWS | 18  |
| 931 | EWH-8             | Effects of Welding on Health VIII   | 1994 | AWS | 57  |

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| 932 | PHB-1               | Everyday Pocket Handbook for Arc Welding Steel  | 1994 | AWS | 0   |
| 933 | WM 1.4              | Welding Metallurgy Volume I, Fundamentals Fourth Edition; Volume 1  | 1994 | AWS | 966 |
| 934 | RWMA<br>BULLETIN 5  | NULL  | 1994 | AWS | 67  |
| 935 | QC7 SUPP C          | NULL  | 1993 | AWS | 40  |
| 936 | QC7 SUPP F          | NULL  | 1993 | AWS | 24  |
| 937 | QC7 SUPP G          | NULL  | 1993 | AWS | 12  |
| 938 | QC7<br>Supplement F | Supplement Fù Chemical Plant and Petroleum Refinery Piping  | 1993 | AWS | 24  |
| 939 | QC7<br>Supplement G | Supplement Gù AWS Performance Qualification Test  | 1993 | AWS | 12  |
| 940 | QC7                 | Standard for AWS Certified Welders  | 1993 | AWS | 12  |
| 941 | QC2                 | Recommended Practice for the Training, Qualification and Certification of Welding Inspector Specialist and Welding Inspector Assistant                | 1993 | AWS | 15  |
| 942 | A5.9                | Specification for Bare Stainless Steel Welding Electrodes and Rods  | 1993 | AWS | 33  |
| 943 | A4.3                | Standard Methods for Determination of the Diffusible Hydrogen Content of Martensitic, Bainitic, and Ferritic Steel Weld Metal Produced by Arc Welding | 1993 | AWS | 27  |
| 944 | A5.01               | Filler Metal Procurement Guidelines R(1999)   | 1993 | AWS | 19  |
| 945 | A2.4-SP             | Standard Symbols for Welding, Brazing and Nondestructive Examination Spanish  | 1993 | AWS | 120 |
| 946 | D3.5                | Guide for Steel Hull Welding R(2000)  | 1993 | AWS | 117 |
| 947 | D14.2               | Specification for Metal Cutting Machine Tool Weldments  | 1993 | AWS | 40  |
| 948 | C5.4                | Recommended Practices for Stud Welding  | 1993 | AWS | 52  |
| 949 | C2.18               | Guide for the Protection of Steel with Thermal Sprayed Coatings of Aluminum and Zinc and Their Alloys and Composites                                  | 1993 | AWS | 40  |
| 950 | BRS                 | Braze Safety  | 1992 | AWS | 0   |
| 951 | A5.4                | Specification for Stainless Steel Electrodes for Shielded Metal Arc Welding Supersedes SAE AMS 5777 R(2000)   | 1992 | AWS | 39  |
| 952 | A5.2                | Specification for Carbon and Low Alloy Steel Rods for Oxyfuel Gas Welding   | 1992 | AWS | 21  |
| 953 | A5.8                | Specification for Filler Metals for Brazing and Braze Welding   | 1992 | AWS | 33  |
| 954 | A5.19               | Specification for Magnesium Alloy Welding Electrodes and Rods R(1997)   | 1992 | AWS | 26  |
| 955 | A5.31               | Specification for Fluxes for Brazing and Braze Welding R(2003)  | 1992 | AWS | 23  |
| 956 | A9.1                | Standard Guide for Describing Arc Welds in Computerized Material Property and Nondestructive Examination Databases                                    | 1992 | AWS | 15  |
| 957 | A9.2                | Standard Guide for Recording Arc Weld Material Property and Nondestructive Examination Data in Computerized Databases                                 | 1992 | AWS | 13  |
| 958 | QC5G                | Guide to AWS Welding Educator Qualification and Certification   | 1992 | AWS | 30  |
| 959 | FSW                 | Fire Safety in Welding and Cutting  | 1992 | AWS | 0   |
| 960 | QC5                 | Standard for Certification of Welding Educators   | 1991 | AWS | 10  |
| 961 | WHB-2               | Welding Handbook Volume 2 Eighth Edition(Welding Handbook, Vol. 2)  | 1991 | AWS | 17  |
| 962 | WHB-2 CH 1          | Arc Welding Power Sources(Welding Handbook, Vol. 2)   | 1991 | AWS | 42  |
| 963 | WHB-2 CH 2          | Shielded Metal Arc Welding(Welding Handbook, Vol. 2)  | 1991 | AWS | 29  |
| 964 | WHB-2 CH 3          | Gas Tungsten Arc Welding(Welding Handbook, Vol. 2)  | 1991 | AWS | 35  |
| 965 | WHB-2 CH 4          | Gas Metal Arc Welding(Welding Handbook, Vol. 2)   | 1991 | AWS | 47  |
| 966 | WHB-2 CH 5          | Flux Cored Arc Welding(Welding Handbook, Vol. 2)  | 1991 | AWS | 34  |
| 967 | WHB-2 CH 6          | Submerged Arc Welding(Welding Handbook, Vol. 2)   | 1991 | AWS | 42  |
| 968 | WHB-2 CH 7          | Electrogas Welding(Welding Handbook, Vol. 2)  | 1991 | AWS | 37  |

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| 969  | WHB-2 CH 8  | Electroslag Welding(Welding Handbook, Vol. 2)   | 1991 | AWS | 28  |
| 970  | WHB-2 CH 9  | Stud Welding(Welding Handbook, Vol. 2)  | 1991 | AWS | 29  |
| 971  | WHB-2 CH 10 | Plasma Arc Welding(Welding Handbook, Vol. 2)  | 1991 | AWS | 22  |
| 972  | WHB-2 CH 11 | Oxyfuel Gas Welding(Welding Handbook, Vol. 2)   | 1991 | AWS | 27  |
| 973  | WHB-2 CH 12 | Brazing(Welding Handbook, Vol. 2)   | 1991 | AWS | 44  |
| 974  | WHB-2 CH 13 | Soldering(Welding Handbook, Vol. 2)   | 1991 | AWS | 25  |
| 975  | WHB-2 CH 14 | Oxygen Cutting(Welding Handbook, Vol. 2)  | 1991 | AWS | 32  |
| 976  | WHB-2 CH 15 | Arc Cutting and Gouging   | 1991 | AWS | 20  |
| 977  | WHB-2 CH 16 | Laser Beam and Water Jet Cutting  | 1991 | AWS | 29  |
| 978  | WHB-2 CH 17 | Spot, Seam, and Projection Welding  | 1991 | AWS | 49  |
| 979  | WHB-2 CH 18 | Flash, Upset, and Percussion Welding  | 1991 | AWS | 29  |
| 980  | WHB-2 CH 19 | Resistance Welding Equipment  | 1991 | AWS | 40  |
| 981  | WHB-2 CH 20 | High-Frequency Welding  | 1991 | AWS | 19  |
| 982  | WHB-2 CH 21 | Electron Beam Welding   | 1991 | AWS | 41  |
| 983  | WHB-2 CH 22 | Laser Beam Welding  | 1991 | AWS | 26  |
| 984  | WHB-2 CH 23 | Friction Welding  | 1991 | AWS | 25  |
| 985  | WHB-2 CH 24 | Explosion Welding   | 1991 | AWS | 17  |
| 986  | WHB-2 CH 25 | Ultrasonic Welding  | 1991 | AWS | 30  |
| 987  | WHB-2 CH 26 | Diffusion Welding and Brazing   | 1991 | AWS | 25  |
| 988  | WHB-2 CH 27 | Adhesive Bonding of Metals  | 1991 | AWS | 24  |
| 989  | WHB-2 CH 28 | Thermal Spraying  | 1991 | AWS | 27  |
| 990  | WHB-2 CH 29 | Other Welding Processes   | 1991 | AWS | 32  |
| 991  | A5.1        | Specification for Carbon Steel Electrodes for Shielded Metal Arc Welding  | 1991 | AWS | 57  |
| 992  | B2.1-1-012  | (Withdrawn)Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel, (M-1, Group 1), 10 Through 18 Gauge, in the As-Welded Condition, with or Without Backing Site License   | 1991 | AWS | 0   |
| 993  | B2.1-1-013  | (Withdrawn)Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Austenitic Steel, (M-8/P-8), 10 Through 18 Gauge, in the As-Welded Condition, with or Without Backing Site License    | 1991 | AWS | 0   |
| 994  | B2.1-1-014  | (Withdrawn)Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel to Austenitic Stainless Steel, (M-1 to M-8), 10 Through 18 Gauge, in the As-Welded Condition, with or Wi | 1991 | AWS | 0   |
| 995  | B2.1-1-015  | (Withdrawn)Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Aluminum, (M-22 to P-22), 10 Through 18 Gauge, in the As-Welded Condition, with or Without Backing Site License         | 1991 | AWS | 0   |
| 996  | BRH         | Brazing Handbook 1991 Fourth Edition  | 1991 | AWS | 495 |
| 997  | BRH APP A   | Definitions of Terms Fourth Editioin(Brazing Handbook)  | 1991 | AWS | 7   |
| 998  | BRH APP B   | Properties of Brazeable Metals and Alloys Fourth Edition  | 1991 | AWS | 17  |
| 999  | BRH APP C   | Thermal Expansion Data Fourth Edition   | 1991 | AWS | 13  |
| 1000 | BRH CH 1    | Fundamentals Fourth Edition(Brazing Handbook)   | 1991 | AWS | 8   |
| 1001 | BRH CH 2    | Brazement Design and Drafting Room Practice Fourth Edition(Brazing Handbook)  | 1991 | AWS | 34  |
| 1002 | BRH CH 3    | Brazing Filler Metals Fourth Edition(Brazing Handbook)  | 1991 | AWS | 24  |
| 1003 | BRH CH 4    | Fluxes and Atmospheres Fourth Edition(Brazing Handbook)   | 1991 | AWS | 18  |
| 1004 | BRH CH 5    | Corrosion Resistance of Brazed Joints Fourth Edition(Brazing Handbook)  | 1991 | AWS | 13  |
| 1005 | BRH CH 6    | Safety and Health Fourth Edition(Brazing Handbook)  | 1991 | AWS | 24  |
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| 1007 | BRH CH 8   | Assembly and Fixturing Fourth Edition(Brazing Handbook)   | 1991 | AWS | 6  |
| 1008 | BRH CH 9   | Torch Brazing Fourth Edition(Brazing Handbook)  | 1991 | AWS | 23 |
| 1009 | BRH CH 10  | Furnace Brazing Fourth Edition(Brazing Handbook)  | 1991 | AWS | 43 |
| 1010 | BRH CH 11  | Induction Brazing Fourth Edition(Brazing Handbook)  | 1991 | AWS | 22 |
| 1011 | BRH CH 12  | Dip Brazing Fourth Edition(Brazing Handbook)  | 1991 | AWS | 11 |
| 1012 | BRH CH 13  | Resistance Brazing Fourth Edition(Brazing Handbook)   | 1991 | AWS | 7  |
| 1013 | BRH CH 14  | Braze Welding Fourth Edition(Brazing Handbook)  | 1991 | AWS | 9  |
| 1014 | BRH CH 15  | Other Processes Fourth Edition(Brazing Handbook)  | 1991 | AWS | 5  |
| 1015 | BRH CH 16  | Inspection of Brazed Joints Fourth Edition(Brazing Handbook)  | 1991 | AWS | 8  |
| 1016 | BRH CH 17  | Codes and Other Standards Fourth Edition(Brazing Handbook)  | 1991 | AWS | 12 |
| 1017 | BRH CH 18  | Copper and Copper Alloys Fourth Edition(Brazing Handbook)   | 1991 | AWS | 18 |
| 1018 | BRH CH 19  | Precious Metals(Brazing Handbook)   | 1991 | AWS | 6  |
| 1019 | BRH CH 20  | Low Carbon, Low Alloy, and Tool Steels Fourth Edition(Brazing Handbook)   | 1991 | AWS | 7  |
| 1020 | BRH CH 21  | Brazing of Cast Iron Fourth Edition(Brazing Handbook)   | 1991 | AWS | 7  |
| 1021 | BRH CH 22  | Pipe and Tube Fourth Edition(Brazing Handbook)  | 1991 | AWS | 10 |
| 1022 | BRH CH 23  | Nickel Base and Cobalt-Containing Alloys Fourth Edition(Brazing Handbook)   | 1991 | AWS | 5  |
| 1023 | BRH CH 24  | Stainless Steels Fourth Edition(Brazing Handbook)   | 1991 | AWS | 7  |
| 1024 | BRH CH 25  | Aluminum and Aluminum Alloys Fourth Edition(Brazing Handbook)   | 1991 | AWS | 8  |
| 1025 | BRH CH 26  | Magnesium and Magnesium Alloys Fourth Edition(Brazing Handbook)   | 1991 | AWS | 8  |
| 1026 | BRH CH 27  | Titanium, Zirconium, and Beryllium Fourth Edition(Brazing Handbook)   | 1991 | AWS | 21 |
| 1027 | BRH CH 28  | Refractory Metals - Niobium, Molybdenum, Tantalum, and Tungsten Fourth Edition(Brazing Handbook)  | 1991 | AWS | 16 |
| 1028 | BRH CH 29  | Electron Tube and Vacuum Equipment Brazing Fourth Edition(Brazing Handbook)   | 1991 | AWS | 8  |
| 1029 | BRH CH 30  | Carbide Tools Fourth Edition  | 1991 | AWS | 6  |
| 1030 | BRH CH 31  | Ceramic Brazing Fourth Edition  | 1991 | AWS | 12 |
| 1031 | BRH CH 32  | Carbon and Graphite Fourth Edition  | 1991 | AWS | 6  |
| 1032 | BRH CH 33  | Honeycomb Structure Brazing Fourth Edition  | 1991 | AWS | 11 |
| 1033 | BRH INDEX  | Index Fourth Edition(Brazing Handbook)  | 1991 | AWS | 13 |
| 1034 | BRH INTRO  | Brazing Handbook 1991 Fourth Edition  | 1991 | AWS | 18 |
| 1035 | B2.1-1-011 | (Withdrawn)Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Galvanized Steel, 10 Through 18 Gauge, in the As-Welded Condition, with or Without Backing Site License           | 1991 | AWS | 0  |
| 1036 | B2.2       | Standard for Brazing Procedure and Performance Qualification  | 1991 | AWS | 54 |
| 1037 | B2.1.002   | Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Carbon Steel, (M-1/P-1, Group 1 or 2), 3/16 Through 7/8 Inch, in the As-Welded Condition, with or without Backing Site License | 1990 | AWS | 12 |
| 1038 | C3.8       | Recommended Practices for Ultrasonic Inspection of Brazed Joints R(1998)  | 1990 | AWS | 10 |
| 1039 | D3.7       | Guide for Aluminum Hull Welding   | 1990 | AWS | 75 |
| 1040 | A5.15      | Specification for Welding Electrodes and Rods for Cast Iron   | 1990 | AWS | 30 |
| 1041 | A5.16      | Specification for Titanium and Titanium Alloy Welding Electrodes and Rods R(1997)   | 1990 | AWS | 21 |
| 1042 | A5.24      | Specification for Zirconium and Zirconium Alloy Welding Electrodes and Rods R(1997)   | 1990 | AWS | 18 |
| 1043 | B2.1.001   | Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel, (M-1/P-1, Group 1 or 2), 3/16 Through 3/4 Inch, in the As-Welded Condition, with Backing Site License          | 1990 | AWS | 10 |
| 1044 | B2.1-1-008 | (Withdrawn)Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1, Group 1), 10 Through 18 Gage, in the As-Welded Condition, with or Without Backing Site License   | 1990 | AWS | 0  |

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| 1045 | B2.1-1-005  | (Withdrawn)Standard Welding Procedure Specification (WPS) for Gas Metal Arc Welding of Austenitic Stainless Steel (M-8 or P-8), 10 Through 18 Gage, in the As-Welded Condition, with or without Backing Site Lice | 1990 | AWS | 0   |
| 1046 | B2.1-1-006  | (Withdrawn)Standard Welding Procedure Specification (WPS) for Gas Metal Arc Welding of Carbon Steel to Austenitic Stainless Steel (M-1 to M-8 or P-8), 10 Through 18 Gage, in the As-Welded Condition, with or wi | 1990 | AWS | 0   |
| 1047 | B2.1-1-007  | (Withdrawn)Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Galvanized Steel, 10 Through 18 Gage, in the As-Welded Condition, with or Without Backing Site License                  | 1990 | AWS | 0   |
| 1048 | B2.1-1-009  | (Withdrawn)Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8 or P-8), 10 Through 18 Gage, in the As-Welded Condition, with or Without Backing Site L | 1990 | AWS | 0   |
| 1049 | B2.1-1-010  | (Withdrawn)Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Carbon Steel to Austenitic Stainless Steel (M-1 to M-8 or P-8), 10 Through 18 Gauge, in the As-Welded Condition, with o | 1990 | AWS | 0   |
| 1050 | WHB-2 HDBK  | Welding Handbook Volume 2 Eighth Edition(Welding Handbook, Vol. 2)  | 1990 | AWS | 955 |
| 1051 | WHB-2 INDEX | Index(Welding Handbook, Vol. 2)   | 1990 | AWS | 32  |
| 1052 | OVS         | Oxyfuel Gas Welding, Cutting and Heating Safety   | 1990 | AWS | 0   |
| 1053 | EWH-7       | Effects of Welding on Health VII  | 1990 | AWS | 65  |
| 1054 | B2.1-1-001  | NULL  | 1990 | AWS | 13  |
| 1055 | B2.1-1-002  | Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 3/16 through 7/8 inch, in the As-Welded Condition, With or Without Backing  | 1990 | AWS | 15  |
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