

Pipeline Industry Standards
Incorporated by Reference in 49 CFR Parts 192, 193, and 195

| SDO Acronym | Standard # | Title | Current Edition IBR | Latest Edition | Federal Reference |
|------------------------------------|-----------------------------|--|------------------------|-----------------------------------|---|
| American Gas Association (AGA) | AGA XK0101 | Purging Principles and Practices | 3rd Edition, 2001 | 3rd Edition, 2001 | §§ 193.2513; 193.2517; 193.2615 |
| American Petroleum Institute (API) | ANSI/API Spec 5L / ISO 3183 | Specification for Line Pipe | 43rd Edition, 2004 | 44th Edition, 2007 | §§ 192.55(e); 192.113; Item I of Appendix B |
| American Petroleum Institute (API) | RP5L1 | Recommended Practice for Railroad Transportation of Line Pipe | 6th Edition, 2002 | 6th Edition, 2002 | § 192.65(a) |
| American Petroleum Institute (API) | RP5LW | Recommended Practice for Transportation of Line Pipe on Barges and Marine Vessel ... | Not Currently IBR | 2nd Edition 1996 | § 192.65(b) |
| American Petroleum Institute (API) | Spec. 6D/ISO 14313 | Pipeline Valves | 22nd Edition, 2002 | 23rd Edition and Errata June 2008 | § 192.145(a) |
| American Petroleum Institute (API) | RP 80 | Guidelines for the Definition of Onshore Gas Gathering Lines | 1st Edition, 2000 | 1st Edition, 2000 | §§192.8(a); 192.8(a)(1); 192.8(a)(2); 192.8(a)(3); 192.8(a)(4).192.8(a); 192.8(a) ... |
| American Petroleum Institute (API) | Std. 1104 | Welding of Pipelines and Related Facilities | 19th Edition, 2003 | 20th Edition and Errata2, 2008 | §§ 192.227(a); 192.229(c)(1);192.241(c); Item II, Appendix B |
| American Petroleum Institute (API) | RP1162 | Public Awareness Programs for Pipeline Operators | 1st Edition, 2003 | 1st Edition, 2003 | §§ 192.616(a); 192.616(b); 192.616(c) |
| American Petroleum Institute (API) | ANSI/API Spec. 12F | Specification for Shop Welded Tanks for Storage of Production Liquids | 11th Edition, 1994 | 11th Edition and Errata, 2007 | §§195.132(b)(1); 195.205(b)(2); 195.264(b)(1); 195.264(e)(1); 195.307(a); 195.56 ... |
| American Petroleum Institute (API) | Stan. 510 | Pressure Vessel Inspection Code: Maintenance Inspection, Rating, Repair, and Alt ... | 8th Edition, 1997 | 9th Edition, 2006 | §§195.205(b)(3); 195.432(c). |
| American Petroleum Institute (API) | Stan. 620 | Design and Construction of Large, Welded, Low-Pressure | 10th Edition, 2002 | 11th Edition, 2008 | §§195.132(b)(2); 195.205(b)(2); 195.264(b)(1); 195.264(e)(3); 195.307(b). |

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| | | Storage Tanks | | | |
| American Petroleum Institute (API) | Stan. 650 | Welded Steel Tanks for Oil Storage | 10th Edition, 1998 | 11th Edition, 2007 | §§195.132(b)(3); 195.205(b)(1); 195.264(b)(1); 195.264(e)(2); 195.307; 195.307(... |
| American Petroleum Institute (API) | RP651 | Cathodic Protection of Aboveground Petroleum Storage Tanks | 2nd Edition, 1997 | 3rd Edition, Jan. 2007 | §§195.565; 195.579(d). |
| American Petroleum Institute (API) | RP652 | Lining of Aboveground Petroleum Storage Tank Bottoms | 2nd Edition, 1997 | 3rd edition, Oct. 2005 | §195.579(d). |
| American Petroleum Institute (API) | Stan. 653 | Tank Inspection, Repair, Alteration, and Reconstruction | 3rd Edition, 2001 | 3rd Edition, Addendum 1-3 and Errata, 2008 | §§195.205(b)(1); 195.432(b). |
| American Petroleum Institute (API) | Stan. 1130 | Computational Pipeline Monitoring for Liquid Pipelines | 2nd Edition, 2002 | 1st edition, September, 2007 | §§195.134; 195.444. |
| American Petroleum Institute (API) | Stan. 2000 | Venting Atmospheric and Low-Pressure Storage Tanks | 5th Edition, 1998 | 5th Edition and Errata, 1999 | §§195.264(e)(2); 195.264(e)(3). |
| American Petroleum Institute (API) | RP2003 | Protection Against Ignitions Arising Out of Static, Lightning, and Stray Current ... | 6th Edition, 1998 | 7th Edition, 2008 | §195.405(a). |
| American Petroleum Institute (API) | Stan. 2026 | Safe Access/Egress Involving Floating Roofs of Storage Tanks in Petroleum Servic ... | 2nd Edition, 1998 | 2nd Edition, Reaffirmation, 2006 | §195.405(b). |
| American Petroleum Institute (API) | RP2350 | Overfill Protection for Storage Tanks In Petroleum Facilities | 2nd Edition, 1996 | 3rd Edition, Jan. 2005 | §195.428I. |
| American Petroleum Institute (API) | Stan. 2510 | Design and Construction of LPG Installations | 8th Edition, 2001 | 8th Edition, 2001 | §§195.132(b)(3); 195.205(b)(3); 195.264(b)(2); 195.264(e)(4); 195.307(e); 195.428 ... |
| American | ASCE/SEI 7- | Minimum | 2002 | 2006 Edition | § 193.2067 |

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|---|----------------------------|--|---|--------------|--|
| Society of Civil Engineers (ASCE) | 05 | Design Loads for Buildings and Other Structures | Edition | | |
| American Society of Mechanical Engineers (ASME) | B16.1–2005 | ANSI/ASME B16.1-2005 Gray Iron Pipe Flanges and Flanged Fittings: Classes 25, 12 ... | 1998 Edition | 2006 Edition | §192.147(c). |
| American Society of Mechanical Engineers (ASME) | B16.5–2003 | Pipe Flanges and Flanged Fittings | 2003 Edition | 2003 Edition | §§192.147(a); 192.279. |
| American Society of Mechanical Engineers (ASME) | B16.9–2007 | Factory-Made Wrought Steel Butt Welding Fittings | 2003 Edition | 2007 Edition | §195.118(a). |
| American Society of Mechanical Engineers (ASME) | B31.4–2006 | Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids | 2002 Edition | 2006 Edition | §195.452(h)(4)(i). |
| American Society of Mechanical Engineers (ASME) | B31G–1991 | Manual for Determining the Remaining Strength of Corroded Pipelines | 1991 Edition | 1991 Edition | §§192.485(c); 192.933(a).; §§195.452(h)(4)(i)(B); 195.452(h)(4)(iii)(D). |
| American Society of Mechanical Engineers (ASME) | B31.8–2007 | Gas Transmission and Distribution Piping Systems | 2003 Edition | 2007 Edition | §192.619(a)(1)(i).; §195.5(a)(1)(i); 195.406(a)(1)(i). |
| American Society of Mechanical Engineers (ASME) | B31.8S–2004 | Supplement to B31.8 on Managing System Integrity of Gas Pipelines | 2004 Edition | 2004 Edition | §§192.903(c); 192.907(b); 192.911, Introductory text; 192.911(i); 192.911(k); 19 ... |
| American Society of Mechanical Engineers (ASME) | ASME Section I | ASME Boiler and Pressure Vessel Code, Section I, "Rules for Construction of Powe ... | 2004 Edition | 2007 Edition | §192.153(a). |
| American Society of Mechanical Engineers (ASME) | ASME Section VIII - DIV. 1 | ASME Boiler and Pressure Vessel Code, Section VIII, Division 1, Rules for | 2004 edition, including addenda through July 1, | 2007 Edition | §§192.153(a); 192.153(b); 192.153(d); 192.165(b)(3).; §193.2321; §§195.124; 195. ... |

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| | | Constr ... | 2005 | | |
| American Society of Mechanical Engineers (ASME) | ASME Section VIII - Div. 2 | ASME Boiler and Pressure Vessel Code, Section VIII, Division 2, Rules for Constr ... | 2004 edition, including addenda through July 1, 2005 | 2007 Edition | §§192.153(b); 192.165(b)(3); §193.2321; §195.307(e). |
| American Society of Mechanical Engineers (ASME) | AMSE Section IX | ASME Boiler and Pressure Vessel Code, Section IX, Welding and Brazing Qualificat ... | 2004 edition, including addenda through July 1, 2005 | 2007 Edition | §§192.227(a); Item II, Appendix B.; §195.222. |
| American Society for Testing and Materials (ASTM) | A53/A53M-07 | Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welde ... | 2004 Edition | 2007 Edition | §§192.113; Item I, Appendix B.; §195.106(e). |
| American Society for Testing and Materials (ASTM) | A106/A106M-08 | Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Servi ... | 2004 Edition | 2008 Edition | §§192.113; Item I, Appendix B.; §195.106(e). |
| American Society for Testing and Materials (ASTM) | A333/A333M-05 | Standard Specification for Seamless and Welded Steel Pipe for Low-Temperature Se ... | 2005 Edition | 2005 Edition | §§192.113; Item I, Appendix B.; §195.106(e). |
| American Society for Testing and Materials (ASTM) | A372/A372M-08 | Standard Specification for Carbon and Alloy Steel Forgings for Thin-Walled Press ... | 2003 Edition | 2008 Edition | §192.177(b)(1). |
| American Society for Testing and Materials (ASTM) | A381-96 | Standard Specification for Metal-Arc Welded Steel Pipe for Use With High-Pressur ... | 1996 Edition | 2005 Edition | §§192.113; Item I, Appendix B.; §195.106(e). |
| American Society for Testing and Materials (ASTM) | A671-06 | Standard Specification for Electric-Fusion-Welded Steel Pipe for Atmospheric and ... | 2004 Edition | 2006 Edition | §§192.113; Item I, Appendix B.; §195.106(e). |
| American Society for | A672-08 | Standard Specification | 1996 Edition | 2008 Edition | §§192.113; Item I, Appendix B.; |

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| Testing and Materials (ASTM) | | for Electric-Fusion-Welded Steel Pipe for High-Pressure S ... | | | §195.106(e). |
| American Society for Testing and Materials (ASTM) | A691-98 | Standard Specification for Carbon and Alloy Steel Pipe, Electric-Fusion-Welded f ... | 1998 Edition | 2007 Edition | §§192.113; Item I, Appendix B.; §195.106(e). |
| American Society for Testing and Materials (ASTM) | D638-03 | Standard Test Method for Tensile Properties of Plastics | 2003 Edition | 2003 Edition | §§192.283(a)(3); 192.283(b)(1). |
| American Society for Testing and Materials (ASTM) | D2513-87 | Standard Specification for Thermoplastic Gas Pressure Pipe, Tubing, and Fittings | 1987 Edition | 1987 Edition | §192.63(a)(1). |
| American Society for Testing and Materials (ASTM) | D2513-99 | Standard Specification for Thermoplastic Gas Pressure Pipe, Tubing, and Fittings | 1999 Edition | 1999 Edition | §§192.191(b); 192.281(b)(2); 192.283(a)(1)(i); Item 1, Appendix B. |
| American Society for Testing and Materials (ASTM) | D2517-00 | Standard Specification for Reinforced Epoxy Resin Gas Pressure Pipe and Fittings | 2000 Edition | 2000 Edition | §§192.191(a); 192.281(d)(1); 192.283(a)(1)(ii); Item I, Appendix B. |
| American Society for Testing and Materials (ASTM) | F1055-98 | Standard Specification for Electrofusion Type Polyethylene Fittings for Outside ... | 1998 Edition | 1998 Edition | §192.283(a)(1)(iii). |
| Gas Technology Institute (GTI) | GRI 02/0057 | Internal Corrosion Direct Assessment of Gas Transmission Pipelines Methodology | 2002 Edition | 2002 Edition | §192.927(c)(2). |
| Gas Technology Institute (GTI) | GTI-04/0032 | LNGFIRE: A Thermal Radiation Model for LNG Fires | 1989 Edition | 2004 Edition | §193.2057. |
| Gas | GTI-04/0049 | LNG Vapor | 2004 | 2004 Edition | §193.2059. |

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| Technology Institute (GTI) | | Dispersion Prediction with the DEGADIS 2.1: Dense Gas Dispersion Model ... | Edition | | |
| Gas Technology Institute (GTI) | GRI-96/0396.5 | Evaluation of Mitigation Methods for Accidental LNG Releases, Volume 5: Using FE ... | 1996 Edition | 1996 Edition | §193.2059. |
| Manufacturers Standardization Society of the Valve and Fittings Industry, Inc. (... | SP-44-2006 | Steel Pipe Line Flanges | 1996 Edition | 2006 Edition | §192.147(a). |
| Manufacturers Standardization Society of the Valve and Fittings Industry, Inc. (... | SP-75-2004 | Specification for High Test Wrought Butt Welding Fittings | 2004 Edition | 2004 Edition | §195.118(a). |
| National Association of Corrosion Engineers (NACE) | SP0169-2007 | Control of External Corrosion on Underground or Submerged Metallic Piping System ... | 2002 Edition | 2007 Edition | §§195.3; 195.571; 195.573(a)(2) |
| National Association of Corrosion Engineers (NACE) | SP0502-2008 | Pipeline External Corrosion Direct Assessment Methodology | 2002 Edition | 2008 Edition | §§ 192.923; 192.925; 192.931; 192.935; 192.939 |
| National Fire Protection Association (NFPA) | NFPA 30 | Flammable and Combustible Liquids Code | 2003 Edition | 2008 Edition | §192.735(b); §195.264(b)(1). |
| National Fire Protection Association (NFPA) | NFPA 58 | Liquefied Petroleum Gas Code (LP-Gas Code) | 2004 Edition | 2004 Edition | §192.11(a); 192.11(b); 192.11(c). |
| National Fire Protection Association (NFPA) | NFPA 59 | Utility LP-Gas Plant Code | 2004 Edition | 2004 Edition | §§192.11(a); 192.11(b); 192.11(c). |
| National Fire Protection Association (NFPA) | NFPA 70 | National Electrical Code | 2005 Edition | 2008 Edition | §§192.163(e); 192.189(c). |
| National Fire Protection | NFPA 59A | Standard for the Production, | 2001 Edition | 2001 Edition | §§193.2019; 193.2051; 193.2057; 193.2059; |

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| Association (NFPA) | | Storage, and Handling of Liquefied Natural Gas (LNG ... | | | 193.2101; 193.2301; 193.2303; 193.2401 ... |
| Plastics Pipe Institute, Inc. (PPI) | TR-3/2008 | Policies and Procedures for Developing Hydrostatic Design Basis (HDB), Pressure ... | 2004 Edition | 2008 Edition | §192.121. |
| American Gas Association (AGA) | RSTRENG 3.0 User's Manual and Software (Includes: L51688B, Modified Criterion fo ... | A Modified Criterion for Evaluating the Remaining Strength of Corroded Pipe | PR-218-9205 | 1993 Edition | §§192.933(a)(1); 192.485(c). |
| American Petroleum Institute (API) | ANSI/API RP 2RD | Design of Risers for Floating Production Systems (FPSs) and Tension-Leg Platform ... | Not IBR | 1st | N/A |
| American Petroleum Institute (API) | ANSI/API RP 1110 | Pressure Testing of Steel Pipelines for the Transportation of Gas, Petroleum Gas ... | Not IBR | 5th | N/A |
| American Petroleum Institute (API) | Pub 1161 | Guidance Document for the Qualification of Liquid Pipeline Personnel | Not IBR | 1st | N/A |
| American Petroleum Institute (API) | Std 1163 | In-Line Inspection Systems Qualification Standard | Not IBR | 1st | N/A |
| American Petroleum Institute (API) | RP 1165 | Recommended Practices for Pipeline SCADA Displays | Not IBR | 1st | N/A |
| American Petroleum Institute (API) | RP 1167 | Alarm Management | Not IBR | Under Development | N/A |
| American Petroleum Institute (API) | RP 1168 | Pipeline Control Room Management | Not IBR | 1st | N/A |
| American | ANSI/ASME | Pipeline | Not IBR | 2006 | N/A |

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| Society of Mechanical Engineers (ASME) | B31Q | Personnel Qualification | | | |
| American Society for Nondestructive Testing (ASNT) | ANSI/ASNT ILI-PQ | In-line Inspection Personnel Qualification and Certification | Not IBR | 2005 | N/A |
| National Association of Corrosion Engineers (NACE) | RP 0102 | In-line Inspection of Pipelines | Not IBR | 2002 | N/A |
| National Association of Corrosion Engineers (NACE) | TG 256 | "Electrodes, Field-Grade Test Methods | No IBR | Under Development | N/A |
| National Association of Corrosion Engineers (NACE) | NACE SP0206 | "Internal Corrosion Direct Assessment Methodology for Pipelines Carrying Normal ... | Not IBR | 2006 | N/A |
| National Association of Corrosion Engineers (NACE) | NACE SP0208 | Internal Corrosion Direct Assessment Methodology for Liquid Petroleum Pipelines | Not IBR | 2008 | N/A |
| Gas Piping Technology Committee (GPTC) | ANSI/GPTC Z380.1 | Guide for Gas Transmission and Distribution Piping Systems | Not IBR | 2003 Addenda 1 through 12 | N/A |
| Gas Piping Technology Committee (GPTC) | ANSI/GPTC Z380.1 | DIMP Guidance | Not IBR | | N/A |
| Standards Development Organizations Coordinating Council (SDOCC) | N/A | | | Provides information about standards recently released or in development. | N/A |
| National Association of Corrosion Engineers (NACE) | SP0106-2006 | Internal Corrosion Control in Pipelines | | | 192 |
| National | TM0106-2006 | Detection, | | | 192 and 195 |

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| Association of Corrosion Engineers (NACE) | | Testing and Evaluation of Microbially Influenced Corrosion (MIC) on E ... | | | |
| National Association of Corrosion Engineers (NACE) | SP0207 | Performing Close-Interval Potential Surveys and DC Surface Potential Gradient Su ... | | | 192 and 195 |
| National Association of Corrosion Engineers (NACE) | SP0200-2008 (formerly RP0200) | Steel-Cased Pipelines Practices | | | 195 |