

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3.1 Standards Adopted by DOE



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
A 112.18.1M	Plumbing Fixture Fittings
A 112.19.6	Hydraulic Requirements for Water Closets and Urinals
AA	Specifications for Aluminum Structures
AA SAA-46-516124	Standards for Anodized Architectural Aluminum
AA STFA-601711	The Surface Treatment and Finishing of Aluminum and Its Alloys
AABC	National Standard for Total System Balance Air Distribution-Hydronic Systems-Sound-Vibration-Field Surveys for Energy Audits
AAHC	Standards of the Accreditation Association for Ambulatory Health Care (AAAHC), Core and Adjunct Standards
AAMA 1002.10	Aluminum Insulating Storm Products for Windows and Sliding Glass Doors
AAMA 1002.9	Voluntary Specifications for Aluminum Combination Storm Windows for External Applications
AAMA 101	Voluntary Specifications for Aluminum Prime Windows and Sliding Glass Doors
AAMA 101/I.S.2	Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors
AAMA 1102.7	Voluntary Specifications for Aluminum Storm Doors
AAMA 611	Voluntary Standards for Anodized Architectural Aluminum
AAMA 800	Sealant Specifications for Use with Architectural Aluminum
AASHTO BM-2	Manual for Bridge Maintenance
AASHTO GDHS-2	A Policy on Geometric Design of Highways and Streets
AASHTO GSDB	Guide Specification for Seismic Isolation Design
AASHTO GSH	Guide Specifications for Highway Construction



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
AASHTO HB-13 (HB-15)	Standard Specifications for Highway Bridges
AASHTO HDG	Highway Drainage Guidelines
AASHTO LTS-1 (LTS-2)	Standard Specifications for Structural Supports for Highway Signs, Luminaries, and Traffic Signals
AASHTO SR	Highway Safety Design and Operations Guide
AASHTO T 104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate
AASHTO T 11	Amount of Material Finer Than 0.075 mm Sieve in Aggregate
AASHTO T 164	Quantitative Extraction of Bitumin from Bituminous Paving Mixtures
AASHTO T 165	Effect of Water on Cohesion of Compacted Bituminous Mixtures
AASHTO T 166	Bulk Specific Gravity of Compacted Bituminous Mixtures
AASHTO T 167	Compressive Strength of Bituminous Mixtures
AASHTO T 245	Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus
AASHTO T 258	Standard Method of Test for Determining Expansive Soils
AASHTO T 27	Sieve Analysis of Fine and Coarse Aggregates
AASHTO T 30	Mechanical Analysis of Extracted Aggregate
AASHTO T 90	Determining the Plastic Limit and Plasticity Index of Soils
AASHTO T 96	Resistance to Abrasion of Small Size Coarse Aggregate by Use of the Los Angeles Machine
AASHTO T89	Determining the Liquid Limit of Soils
AASHTO VLVLR	Guidelines for Geometric Design of Very Low-Volume Local Roads (ADT Less Than or Equal to 400)



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ACGIH	Industrial Ventilation: A Manual of Recommended Practice
ACGIH TLVs	Threshold Limit Values for Chemical Substances and Physical Agents
ACI 207.1R	Mass Concrete
ACI 207.4R	Cooling and Insulating Systems for Mass Concrete
ACI 211.1	Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass Concrete
ACI 211.2	Standard Practice for Selecting Proportions for Structural Lightweight Concrete
ACI 214	Evaluation of Strength Test Results of Concrete
ACI 216.1	Standard Method for Determining Fire Resistance of Concrete and Masonry Construction Assemblies
ACI 301	Structural Concrete for Buildings
ACI 304 (304R)	Guide for Measuring, Mixing, Transporting, and Placing Concrete
ACI 305R	Hot Weather Concreting
ACI 306R	Cold Weather Concreting
ACI 307	Design and Construction of Reinforced Concrete Chimneys
ACI 308	Curing Concrete
ACI 309	Recommended Practice for Consolidation of Concrete
ACI 309R	Consolidation of Concrete
ACI 315R	Details and Detailing of Concrete Reinforcement
ACI 318	Building Code Requirements for Reinforced Concrete



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ACI 336.2R	Suggested Analysis and Design Procedures for Combined Footing and Mats
ACI 336.3R	Suggested Design and Construction Procedures for Pier Foundations
ACI 347	Formwork for Concrete, Fifth Edition
ACI 349	Code Requirements for Nuclear Safety Related Concrete Structures
ACI 350-01	Code Requirements for Environmental Engineering Concrete Structures
ACI 350M-01	Code Requirements for Environmental Engineering Concrete Structures (Metric Version)
ACI 350R	Environmental Engineering Concrete Structures
ACI 352R	Recommendations for Design of Beam-Column Joints in Monolithic Reinforced Concrete Structures
ACI 503.4	Standard Specifications for Repairing Concrete with Epoxy Mortars
ACI 515.1R	Guide to the Use of Waterproofing, Damp Proofing, Protective, and Decorative Barrier Systems for Concrete
ACI 530	Building Code Requirements for Masonry Structures Specification for Masonry Structures and Commentary
ACI 531	Building Code Requirements for Concrete Masonry Structures
ACI 531.1	Specifications for Concrete Masonry
ACI 543R	Recommendation for Design, Manufacture, and Installation of Concrete Piles
ACI 546.1R	Guide for Repair of Concrete Bridge Superstructures
ACI MCP 2005	Manual of Concrete Practice (as applicable to the specific project)
ACI SP-4 (347-89)	Formwork for Concrete
ACI SP-66	ACI Detailing Manual



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ACS PH1.28	Archival Records, Silver-Gelatin Type or Cellulose Ester Base
ACS PH1.41	Archival Records, Silver-Gelatin Type on Polyester Base
ACS PH1.53	Processed Films, Plates, and Papers—Filing Enclosures and Containers for Storage
AFMAN 91-201, Chapt. 2, Sect. A -E, G	Explosives Safety Standards (Explosives Safety Requirements)
AGA 1	Requirements for Heat Reclaimer Devices for Use with Gas-Fired Appliances
AGS G001	Guideline for Gloveboxes, Second Edition
AGS G002	The Standard of Practice for the Design and Fabrication of Glovebags
AGS G003	The Standard of Practice for the Application of Linings to Gloveboxes
AGS G005	Standard of Practice for the Specification of Gloves for Gloveboxes
AGS G006	Standard of Practice for the Design and Fabrication of Nuclear-Application Gloveboxes
AIHA	Hygiene Guide Series
AIHA	Industrial Noise Manual (see Noise and Hearing Conservation Manual)
AIHA	Noise and Hearing Conservation Manual
AIHA	The AIHA 2004 Emergency Response Planning Guidelines and Workplace Environmental Exposure Level Guides Handbook
AIHA	Workplace Environmental Exposure Level Guides
AIIM MS 5	Microfiche
AIIM MS 9	Aperture, Camera, Copy and Image Cards
AIIM MS14	Specifications for 16 and 35 mm Roll Microfilm



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
AIIM MS23	Practice for Operational Procedures/Inspection and Quality Control of First Generation Silver—Gelatin Microfilm of Documents
AIIM MS43	Recommended Practice for Operational Procedures/Inspection and Quality Control of Duplicate Microforms of Documents and From COM
AISC	Code of Standard Practice for Steel Buildings and Bridges
AISC	Detailing for Steel Construction
AISC M 011 (M016-89)	Manual of Steel Construction Allowable Stress Design Ninth Edition
AISC N 690 (S327-84)	Nuclear Facilities—Steel Safety-Related Structures for Design, Fabrication and Erection
AISC S 326 (S328-86)	Specification for Structural Steel Building Load and Resistance Factor Design
AISI	Manual for Structural Application of Steel Cables for Buildings
AISI SG-673	Specifications for the Design of Cold-Formed Steel Structural Members
AMA OOSH-213	Scope, Objectives, and Functions of Occupational Health Programs
AMA OOSH-290	Epidemiology in Occupational Disease and Injury
AMCA 201	Fans and Systems
AMCA 210	Laboratory Methods for Testing Fans for Ratings
AMCA 261	Directory of Products Licensed to Bear the AMCA Certified Rating Seal
AMCA 99	Standards Handbook
ANS 10.3	Guidelines for the Documentation of Digital Computer Programs
ANS 10.4	Verification and Validation of Scientific and Engineering Computer Programs for the Nuclear Industry
ANS 11.13	Concrete Radiation Shields (replaced by ANS 11-1987) (Inactive)



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANS 11.16	Design Guides for Radioactive Material Handling Facilities and Equipment
ANS 14.1	Operation of Fast Pulse Reactors
ANS 15-21	Standard Format and Content for Safety Analyses Reports for Small Research Reactors
ANS 15.1	Development of Technical Specifications for Research Reactors
ANS 15.11	Radiation Protection at Research Reactor Facilities
ANS 15.12	Design Objectives for and Monitoring of Systems Controlling Research Reactor Effluents (incorporated into ANS 15.11) (Inactive)
ANS 15.15	Criteria for the Reactor Safety System of Research Reactors
ANS 15.16	Emergency Planning for Research Reactors
ANS 15.18	Administrative Controls for Research Reactors
ANS 15.2	Quality Control for Plate-Type Uranium-Aluminum Fuel Elements
ANS 15.3	Records and Reports for Research Reactors (incorporated into ANS 15.1) (Inactive)
ANS 15.4	Selection and Training of Personnel for Research Reactors
ANS 15.8	Quality Assurance Program Requirements for Research Reactors
ANS 2.17	Evaluation of Radionuclide Transport in Ground Water for Nuclear Power Sites
ANS 2.2	Earthquake Instrumentation Criteria for Nuclear Power Plants
ANS 2.3	Immediate Evacuation Signal for Use in Industrial Installations Where Radiation Exposure May Occur
ANS 3.1	Selection, Qualification, and Training of Personnel for Nuclear Power Plants
ANS 3.2	Quality Assurance Requirements for Operating Nuclear Power Plants



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANS 3.4	Medical Certification and Monitoring of Personnel Requiring Operator Licenses for Nuclear Power Plants
ANS 3.5	Nuclear Power Plant Simulators for Use in Operator Training
ANS 3.7.2	Emergency Control Centers for Nuclear Power Plants (replaced by ANS 3.8.2)
ANS 4.5	Criteria for Accident Monitoring Functions in Light-Water-Cooled Reactors
ANS 54.1	General Safety Design Criteria for a Liquid Metal Reactor Nuclear Power Plant
ANS 54.2	Design Basis for Facilities for LMFBR Spent Fuel Storage in Liquid Metal Outside the Primary Coolant Boundary
ANS 57.2	Design Requirements for Light Water Reactor Spent Fuel Storage Facilities at Light Water Reactor Plants
ANS 57.3	Design Requirements for New Fuel Storage Facilities at Light Water Reactor Plants
ANS 59.1	Nuclear Safety-Related Cooling Water Systems in Nuclear Power Plants
ANS 59.3	Safety-Related Control Air Systems
ANS 59.51	Fuel Oil Systems for Standby Diesel Generators
ANS 6.4	Guidelines on Nuclear Analysis and Design of Concrete Radiation Shielding for Nuclear Power Plants
ANS 6.4.2	Specification for Radiation Shielding Materials
ANS 6.4.3	Gamma-Ray Attenuation Coefficients and Buildup Factors for Engineering Materials
ANS 8.1	Nuclear Criticality Safety in Operations with Fissionable Materials Outside Reactors
ANS 8.10	Criteria for Nuclear Criticality Safety Controls in Operations with Shielding and Confinement
ANS 8.12	Nuclear Criticality Control and Safety of Plutonium-Uranium Fuel Mixtures Outside Reactors
ANS 8.14	Use of Soluble Neutron Absorbers in Nuclear Facilities Outside Reactors



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANS 8.15	Nuclear Criticality Control of Special Actinide Elements
ANS 8.17	Criticality Safety Criteria for the Handling, Storage and Transportation of LWR Fuel Outside Reactors
ANS 8.19	Administrative Practices for Nuclear Criticality Safety
ANS 8.20	Nuclear Criticality Safety Training
ANS 8.21	Use of Fixed Neutron Absorbers in Nuclear Facilities Outside Reactors
ANS 8.22	Nuclear Criticality Safety Based on Limiting and Controlling Moderators
ANS 8.23	Nuclear Criticality Accident Emergency Planning and Response
ANS 8.3	Criticality Accident Alarm System
ANS 8.5	Use of Borosilicate-Glass Raschig Rings as a Neutron Absorber in Solutions of Fissile Material
ANS 8.6	Safety in Conducting Subcritical Neutron-Multiplication Measurements In Situ
ANS 8.7	Guide for Nuclear Criticality Safety in the Storage of Fissile Materials
ANS 8.9	Nuclear Criticality Safety Criteria for Steel-Pipe Intersections Containing Aqueous Solutions of Fissile Material
ANSI 156.12-2005	Grade 1, Mortise Locksets
ANSI 156.2-2003	Grade 1, Bored and Preassembled Locks and Latches
ANSI A 1.5	Safety Requirements for Material Hoists
ANSI A 10.31	Construction and Demolition
ANSI A 10.33-1992	Safety and Health Program Requirements for Multi-Employer Projects
ANSI A 108.1	Installation of Ceramic Tile with Portland Cement Mortar



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI A 115	Door and Frame Preparation
ANSI A 115.1	Door and Frame Preparation for Mortise Door Locks for 1-3/4-inch Doors
ANSI A 13.1	Scheme for the Identification of Piping Systems
ANSI A 14.1-1994	Ladders—Portable Wood—Safety Requirements
ANSI A 14.2-1990	Safety Requirements for Portable Metal Ladders
ANSI A 14.3-1992	Ladders—Fixed—Safety Requirements
ANSI A 14.5-1992	Ladders—Portable Reinforced Plastic—Safety Requirements
ANSI A 156	Hardware
ANSI A 156.1	Butts and Hinges
ANSI A 156.2	American National Standard for Bored and Preassembled Locks and Latches
ANSI A 156.3	Exit Devices
ANSI A 156.4	Door Controls (Closers)
ANSI A 156.6	Architectural Door Trim
ANSI A 156.8	Door Controls - Overhead Stops and Holder
ANSI A 216.1	Sectional Overhead Type Doors (ANSI/NAGDM 102)
ANSI A 39.1	Safety Requirements for Window Cleaning
ANSI A 58.1	Building Code Requirements for Minimum Design Loads in Buildings and Other Structures
ANSI A 92.2	Vehicle-Mounted Elevating and Rotating Aerial Device



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI B 1.1	Unified Inch Screw Threads (UN and UNR Thread Form)
ANSI B 18.22.1	Plain Washers
ANSI B 30 Series	Cranes
ANSI B 31.2	Petroleum Refining Piping
ANSI B 31.4	Liquid Petroleum Transportation Piping System
ANSI B 46.1	Surface Texture, Surface Roughness, Waviness and Lay
ANSI B149.1	Dehumidifiers
ANSI B30.21 (1994)	Manually Operated Hoists (design specifications only)
ANSI B30.5 (1995)	Mobile and Locomotive Cranes (design specifications only)
ANSI B30.9 (1992)	Slings (equipment design specifications only)
ANSI B38.1	Method of Testing for Household Refrigerators, Combination Refrigerator Freezers and Household Freezers
ANSI B56.1	Safety Standard for Low Fit and High Fit Trucks
ANSI B56.6	Rough Terrain Forklift Trucks
ANSI B93.114M	Pneumatic Fluid Power - Systems Standard for Industrial Machinery
ANSI C 136	Roadway Lighting
ANSI C 2	National Electric Safety Code
ANSI C 57	Distribution, Power and Regulating Transformers
ANSI C 82	For Reference Ballasts for Fluorescent Lamps



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI C 82.2	Fluorescent Lamp Ballasts--Methods of Measurement
ANSI C 84.1	Electric Power Systems And Equipment-Voltage Ratings (60 Hertz)
ANSI C 95.1	Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 300 KHZ to 100 GHZ
ANSI C16.13	Monochrome Television Broadcast Receivers
ANSI C2	American National Standards Institute on Safety (NESI)
ANSI C78.1	For Fluorescent Lamps--Rapid Start Types--Dimensional and Electrical Characteristics
ANSI C78.2	For Fluorescent Lamps--Preheat Start Types--Dimensional and Electrical Characteristics
ANSI C78.21	Incandescent Lamps--PAR and R Shapes
ANSI C78.3	For Fluorescent Lamps--Instant Start and Cold-Cathode Types--Dimensional and Electrical Characteristics
ANSI C78.375	For Fluorescent Lamps--Guide for Electrical Measurements
ANSI C79.1	Nomenclature for Glass Bulbs Intended for Use with Electric Lamps
ANSI CGA G-7.1	Commodity Specifications for Air
ANSI D 12.1	Roadway Lighting (see IES RP8)
ANSI D 6.1e	Manual on Uniform Traffic Control Devices for Streets and Highways
ANSI G 7.1	Commodity Specification for Air, Third Edition
ANSI N 101.6	Standards for Concrete Radiation Shields
ANSI N 12.1	Warning Symbols-Fissile Material Symbol
ANSI N 13.1	Guide for Sampling Airborne Radioactive Materials in Nuclear Facilities



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI N 13.11	Dosimetry-Personnel Dosimetry Performance-Criteria For Testing
ANSI N 13.14	Internal Dosimetry Programs for Tritium Exposure—Minimum Requirements
ANSI N 13.15	Radiation Detectors—Personnel Thermoluminescence Dosimetry Systems—Performance
ANSI N 13.2	Guide to Administrative Practices in Radiation Monitoring
ANSI N 13.27	Performance Requirements for Pocket-Sized Alarm Dosimeters and Alarm Rate Meters
ANSI N 13.3	Dosimetry for Criticality Accidents
ANSI N 13.30-1996	Performance Criteria for Radiobioassay
ANSI N 13.41-1997	Criteria for Performing Multiple Dosimetry
ANSI N 13.5	Performance Specifications for Direct Reading and Indirect Reading Pocket Dosimeters for X and Gamma Radiation
ANSI N 13.6	Practice for Occupational Radiation Exposure Record Systems
ANSI N 13.7	Radiation Protection—Photographic Film Dosimeters—Criteria for Performance
ANSI N 14.1	Nuclear Materials—Uranium Hexafluoride—Packaging for Transport
ANSI N 14.2	Commercial Vehicle Standards
ANSI N 14.27-1993	Carrier and Shipper Responsibilities and Emergency Response Procedures for Highway Transportation Accidents
ANSI N 14.29-1988	Guide for Writing Operating Manuals for Packaging
ANSI N 14.30-1992	Design, Fabrication, and Maintenance of Semi-Trailers Employed in the Transport of Weight-Concentrated Radioactive Loads
ANSI N 14.5	Radioactive Materials—Leakage Tests on Packages for Shipment
ANSI N 14.6-1993	Special Lifting Devices for Shipping Containers Weighing 10,000 (4500kg) or More Pounds



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI N 15.1	Classification of Unirradiated Uranium Scrap
ANSI N 15.10	Nuclear Materials—Unirradiated Plutonium Scrap—Classification
ANSI N 15.18	Nuclear Materials - Mass Calibration Techniques for Control
ANSI N 15.19	Nuclear Material Control—Volume Calibration Techniques
ANSI N 15.36	Nuclear Materials—Nondestructive Assay Measurement Control and Assurance
ANSI N 15.41	Nuclear Facilities—Derivation of Measurement Control Programs—General Principles
ANSI N 15.51	Nuclear Materials Management—Measurement Control Program—Nuclear Materials Analytical Chemistry Laboratory
ANSI N 15.54	Instrumentation—Radiometric Calorimeters Measurement Control Program
ANSI N 2.1	Radiation Symbol
ANSI N 317	Performance Criteria for Instrumentation Used for Inplant Plutonium Monitoring
ANSI N 319	Personnel Neutron Dosimeters (Neutron Energies less than 20 MeV)
ANSI N 322	Inspection and Test Specifications for Direct and Indirect Reading Quartz Fiber Pocket Dosimeters
ANSI N 323A-1997	Radiation Protection Instrumentation Test and Calibrations
ANSI N 343	Internal Dosimetry for Mixed Fission and Activation Products
ANSI N 42.17A	Performance Specifications for Health Physics Instrumentation - Portable Instrumentation for Use in Normal Environmental Conditions
ANSI N 42.17B	Radiation Instrumentation Performance Specifications for Health Physics Instrumentation-Occupational Airborne Radioactivity Monitoring Instrumentation
ANSI N 42.17C	Radiation Instrumentation Performance Specifications for Health Physics Instrumentation—Portable Instrumentation for Use in Extreme Environmental Conditions
ANSI N 42.18	Specification and Performance of On-Site Instrumentation for Continuously Monitoring Radioactivity in Effluents



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI N 42.23	American National Standard Measurement and Associated Instrumentation Quality Assurance for Radioassay Laboratories
ANSI N 43.10	Safe Design and Use of Panoramic Wet Source Storage Gamma Irradiators (Category IV)
ANSI N 43.2	Radiation Safety for X-Ray Diffraction and Fluorescence Analysis Equipment
ANSI N 43.3	General Radiation Safety—Installations Using Non-Medical X-Ray and Sealed Gamma-Ray Sources, Energies up to 10 MeV
ANSI N 43.5	Radiological Safety Standard for the Design of Radiographic and Fluoroscopic Industrial X-Ray Equipment
ANSI N 43.6	Sealed Radioactive Sources
ANSI N 43.8	Classification of Industrial Ionizing Radiation Gaging Devices
ANSI N 43.9	American National Standard for Gamma Radiography—Specifications for Design and Testing of Apparatus
ANSI N 545	Thermoluminescence Dosimetry: Environmental Applications, Performance, Testing, and Specifications
ANSI N13.4-1983	Specifications of Portable X- or Gamma Radiation Survey Instruments
ANSI N1342	Dosimetry
ANSI N14.6-1993	Radioactive Materials, Special Lifting Devices for Shipping Containers Weighing 10,000 pounds (4500 kg) or More
ANSI N15.18	Mass Calibration Techniques for Control
ANSI N15.28-91	Nuclear Materials Control - Guide for Qualification and Certification of Safeguards and Security Personnel
ANSI N2.3-1979	Immediate Evacuation Signal for Use In Industrial Installations Where Radiation Exposures May Occur
ANSI N278.1-1975 (R 1992)	Self-Operated and Power-Operated Safety-Related Valves Functional Specification Standard
ANSI N320-1979 (R1993)	Performance Specifications for Reactor Emergency Radiological Monitoring Instrumentation
ANSI N43.1	Radiological Safety in the Design and Operation of Particle Accelerators



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI N510	Testing of Nuclear Air-Cleaning Systems
ANSI N512	Protective Coatings (Paint) for the Nuclear Industry
ANSI N542	Sealed Radioactive Sources
ANSI N8.3-1979	Criticality Accident Alarm
ANSI S 3.34	American National Standard Guide for the Measurement and Evaluation of Human Exposure to Vibration Transmitted to the Hand
ANSI S 3.6	Specification for Audiometers
ANSI S3.19-1974	Laboratory Safety Supply
ANSI S82.01	Standard for Instrumentation
ANSI X 3.135	Database Language SQL
ANSI X 3.136	Serial Recorded Magnetic Tape Cartridge for Information Interchange
ANSI X 3.205	Helical-Scan Digital Computer Tape Cartridge 3.81 mm DATA/DAT, for Information Interchange
ANSI X 3.40	Information Systems—Unrecorded Magnetic Tape for Information Exchange
ANSI X 3.54	Recorded Magnetic Tape for Information Interchange 6250 bpi, Group Coded Recording
ANSI X 3.55	Recorded Magnetic Tape for Information Interchange 1600 bpi, Phase Encoded
ANSI X 3.85	One Half Inch Magnetic Tape Interchange Using a Self-Loading Cartridge
ANSI X 4.16	Size and Placement of Security Badges (Inactive)
ANSI X 9.17	Financial Institution Key Management
ANSI Y 1.1	Abbreviations for Use on Drawings and in Text



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI Y 14.1	Drawing Sheet Size and Format
ANSI Y 14.15	General Electronic Diagrams
ANSI Y 14.2	Surface Texture Symbols
ANSI Y 14.5M	Dimensioning and Tolerancing
ANSI Y 32.14	Graphic Symbols for Logic Functions
ANSI Y 32.16	Reference Designators (schematics and PCB)
ANSI Y 32.2	Graphic Symbols for Electrical and Electronics Diagrams
ANSI Z 1030	Power Tools
ANSI Z 11.182	Standard Method of Test for Smoke Density in the Flue Gases from Distillate Fuels reapproved 1971 (ASTM D2156-65(1975))
ANSI Z 117.1	Safety Requirements for Working in Tanks and Other Confined Spaces
ANSI Z 124.2-1995	Plastic Shower Receptors and Shower Stalls
ANSI Z 133.1-2000	American National Standard for Arboricultural Operations - Pruning, Repairing, Maintaining, and Removing Trees, and Cutting Brush
ANSI Z 136.1	Safe Use of Lasers
ANSI Z 136.2-1997	Safe Use of Optical Fiber Communication Systems Utilizing Laser Diode and LED Sources 10/01/97
ANSI Z 21.10.1	Gas Automatic Storage Type Water Heaters
ANSI Z 21.10.3	Gas Water Heaters, Volume III, Storage with Input Ratings Above 75,000 Btu's per Hour, Circulating and Instantaneous Water Heaters
ANSI Z 21.11.1	Gas-Fired Room Heaters, Volume I, Vented Room Heaters
ANSI Z 21.13	Gas-Fired Low Pressure Steam and Hot Water Heating Boilers including addenda Z21.13a-69 and Z21.13b-94



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI Z 21.17	Domestic Gas Conversion Burners Including Z21.17a-90
ANSI Z 21.20	Automatic Gas Ignition Systems and Components
ANSI Z 21.21	Automatic Valves for Gas Appliances (Including Z21.21a-89)
ANSI Z 21.44	Gas-Fired Gravity and Fan Type Direct Vent Wall Furnaces
ANSI Z 21.47	Gas-Fired Central Furnaces (including Z21.47a-88 and Z21.47b-89)
ANSI Z 21.48	Gas-Fired Gravity and Fan Type Floor Furnaces
ANSI Z 21.49	Gas-Fired Gravity and Fan Type Vented Wall Furnaces
ANSI Z 21.56	Gas-Fired Pool Heaters (including addenda Z21.56a-96)
ANSI Z 21.59	Gas-Fired high Pressure Steam and Hot Water Heating Boilers
ANSI Z 21.66	Automatic Vent Damper Devices for Use with Gas-Fired Appliances
ANSI Z 21.67	Mechanically-Actuated Automatic Vent Damper Devices for Use with Gas-Fired Appliances
ANSI Z 21.68	Thermally-Actuated Automatic Vent Damper Devices for Use with Gas-Fired Appliances
ANSI Z 21.71	Automatic Intermittent Pilot Ignition systems for Field Installation (including Z21.71a-85 and Z21.71b-89)
ANSI Z 21.8	Installation of Domestic Gas Conversion Burners
ANSI Z 223.1	National Fuel Code Including Appendices H, I, J, and K
ANSI Z 224.1	Performance Evaluation Procedures for Household Washers
ANSI Z 234.1	Room Air Conditioners
ANSI Z 235.1	Appliance Humidifier Standard



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI Z 358.1	Emergency Eyewash and Shower Equipment
ANSI Z 359.1-1992	Safety Requirements for Personal Fall Arrest Systems, Subsystems and Components
ANSI Z 39.14	Writing Abstracts
ANSI Z 39.18	Information Sciences—Scientific and Technical Reports—Organization, Preparation, and Production
ANSI Z 39.29	Bibliographic References
ANSI Z 39.32	Microfiche Headings
ANSI Z 39.59	Electronic Manuscript Preparation and Markup
ANSI Z 39.67	Computer Software Description
ANSI Z 39.72	CD-ROM Standard Format for Submission of Data for Multimedia CD-ROM Mastering
ANSI Z 41-1991	Personal Protection—Protective Footwear
ANSI Z 49.1	Safety in Welding, Cutting and Allied Processes
ANSI Z 535.1-1991	Environmental and Facility Safety Signs
ANSI Z 535.2	Environmental and Facility Signs
ANSI Z 535.3-1991	Criteria for Safety Symbols, 10/01/97
ANSI Z 535.5	Safety Tags and Barricade Tapes
ANSI Z 540-1-1994	Calibration - Calibration Laboratories and Measuring and Test Equipment - General Requirements
ANSI Z 540.1	Calibration Laboratories and Measuring and Test Equipment General Requirements
ANSI Z 83.8	Gas Unit Heater and Gas-Fired Duct Furnaces



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI Z 83.9	Gas-Fired Duct Furnaces (including addenda Z83.9a-92)
ANSI Z 87.1	Practice for Occupational/Educational Eye and Face Protection Devices
ANSI Z 87.1-1989	Practice for Occupational and Educational Eye and Face Protection
ANSI Z 88.2	Respiratory Protection
ANSI Z 88.6	Physical Qualifications for Respirator Use
ANSI Z 89.1-1997	Industrial Head Protection
ANSI Z 9.2-1979	Fundamentals Governing the Design and Operation of Local Exhaust Systems
ANSI Z 9.5-1992	American National Standard for Laboratory Ventilation
ANSI Z 91.1	Performance Requirements for Oil-Powered Central Furnaces
ANSI Z 91.2	Performance Requirements for Automatic Pressure Oil Burners of the Mechanical Draft Type
ANSI Z 96.1	Oil-Fired Central Furnaces
ANSI Z 96.2	Oil Burners
ANSI Z 96.3	Oil-Fired Boiler Assemblies
ANSI Z136.1-2000	Laser Eye Exam
ANSI Z33.1	Installation of Blower and Exhaust Systems for Dust, Stock, and Vapor Removal or Conveying
ANSI Z9.1	Practices for Ventilation and Operation of Open-Surface Tanks
ANSI/ACI 349-85	Code Requirements for Nuclear Safety Related Concrete Structures (ACI 349-85) and Commentary (ACI 349R-85)
ANSI/AIHA Z 9.10	Fundamentals Governing Design and Operation of Dilution Ventilation Systems in Industrial Occupancies



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI/AIHA Z 9.11	Laboratory Decommissioning
ANSI/AIHA Z 9.3	Spray Finishing Operations: Safety Code for Design, Construction and Ventilation
ANSI/AIHA Z 9.4	Abrasive-Blasting Operations - Ventilation and Safe Practices for Fixed Location Enclosures
ANSI/AIHA Z 9.6	Exhaust Systems for Grinding, Polishing, and Buffing
ANSI/AIHA Z 9.7	Recirculation of Air from Industrial Process Exhaust Systems
ANSI/AIHA Z9.5-2003	American National Standard for Laboratory Ventilation
ANSI/AIIM MS-32-1996	Standard Recommended Practice - Microrecording of Engineering Source Document on 35mm Microfilm
ANSI/AIIM MS-41-1996	Dimensions of Unitized Microfilm Carriers and Apertures (Aperture, Camera, Copy and Image Cards)
ANSI/AIIM MS-45-90	Recommended Practice for Inspection of Stored Silver Gelatin Microforms for Evidence of Deterioration
ANSI/AIM-BC1-1995	Uniform Symbology Specification
ANSI/AISC N690-1994	Specifications for the Design, Fabrication, and Erection of Steel Safety-Related Structures for Nuclear Facilities
ANSI/AMS-2.5	Standards for Onsite Meteorological Monitoring Program
ANSI/ANS 8.22	Limiting and Control of Moderators
ANSI/ANS 8.23	Emergency Planning and Response
ANSI/ANS-19.4	Guidelines for the Verification and Validation of Scientific and Engineering Computer Programs for the Nuclear Industry
ANSI/ANS-19.61	Startup Physics Tests for Pressurized Water Reactors
ANSI/ANS-3.1-1987	Selection, Qualification and Training of Personnel for Nuclear Power Plants
ANSI/ANS-3.2-1994	Administrative and Quality Assurance Requirements for Operating Nuclear Power Plants.



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI/ANS-5.1	Decay Heat Power in Light Water Reactors
ANSI/ANS-59.2-1985	Safety Criteria for Nuclear Power Plants HVAC Systems Located Outside Primary Containment, American National Standards Institute
ANSI/ANS-8.1-1998, R2007	Nuclear Criticality Safety in Operations with Fissionable Materials Outside Reactors
ANSI/ANS-8.24-2007	Validation of Neutron Transport Methods for Nuclear Criticality safety Calculations
ANSI/ANS-8.26-2007	Criticality Safety Engineer Training and Qualification Program
ANSI/API-620-1998	Rules for Design and Construction of Large, Welded, Low-Pressure Storage Tanks
ANSI/ASME A 17.2.1	Inspectors Manual for Electric Elevators
ANSI/ASME A 17.2.2	Inspectors Manual for Hydraulic Elevators
ANSI/ASME A 17.3	Existing Elevators and Escalators
ANSI/ASME A 17.5	Elevator and Escalator Electrical Equipment
ANSI/ASME B 31	National Boiler Inspection (Piping) Code
ANSI/ASME B16.5-1998	Pipe Flanges and Flanged Fittings (Includes Revision Service)
ANSI/ASME B18.18.1-1987 (R1994)	Inspection and Quality Assurance for General Purpose Fasteners
ANSI/ASME B18.18.2M-1987 (R1993)	Inspection and Quality Assurance for High-Volume Machine Assembly Fasteners
ANSI/ASME B18.18.3M-1987 (R1993)	Inspection and Quality Assurance for Special Purpose Fasteners
ANSI/ASME B18.18.4M-1987 (R1993)	Inspection and Quality Assurance for Fasteners for Highly Specialized Engineering Applications
ANSI/ASME B30.11-1993	Monorails and Underhung Cranes



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI/ASME B30.16-1993	Overhead Hoists (Underhung)
ANSI/ASME B30.17-1992	Overhead and gantry cranes (top running bridge, single girder, underhung hoists)
ANSI/ASME B30.18-1993	Stacker Cranes (Top or Under Running Bridge, Multiple Girder with Top or Under Running Trolley Hoist)
ANSI/ASME B30.2-1996	Overhead and gantry cranes, top running bridge single or multiple girder top running trolley hoist
ANSI/ASME B30.2-1996 (R 1998)	Overhead and Gantry Cranes
ANSI/ASME B56.1-1993	Low-Lift and High-Lift Trucks
ANSI/ASME B73.1M-1991 (R 1992)	Horizontal End Suction Centrifugal Pumps for Chemical Process
ANSI/ASME B73.2M-1991	Specifications for Vertical In-Line Centrifugal Pumps for Chemical Process
ANSI/ASME B96.1-1993	Welded Aluminum-Alloy Storage Tanks
ANSI/ASME NOG-1-1998	Rules for Construction of Overhead and Gantry Cranes (Top Running Bridge, Multiple Girder)
ANSI/ASME Y 32.4	Graphic Symbols for Plumbing Fixtures for Diagrams Used in Architecture and Building Construction
ANSI/ASQC Q10011-1-1994	Guidelines for Auditing Quality Systems—Auditing
ANSI/ASQC Q10011-2-1994	Guidelines for Auditing Quality Systems—Qualification Criteria for Quality Systems Auditors
ANSI/ASQC Q10011-3-1994	Guidelines for Auditing Quality Systems—Management of Audit Programs
ANSI/ASQC Q9001-1994	Quality Systems-Model for Quality Assessment in Design/Development, Production, Installation and Servicing
ANSI/ASQC Z1.4-1993	Sampling Procedures and Tables for Inspection by Attributes
ANSI/ASQZ 1.13-1999	Quality Guidelines for Research
ANSI/ASTM C852-93 (R 1997)	Standard Guide for Design Criteria for Plutonium Gloveboxes



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI/AWWA C653	Disinfection of Water Treatment Plants
ANSI/AWWA C654	Disinfection of Wells
ANSI/CABO A 117.1	Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People
ANSI/CGA G-7.1-1989	Commodity Specification
ANSI/HFS 100-1988	Human Factors Engineering of Visual Display Terminal Workstations
ANSI/HPS N13.1-1999	Sampling and Monitoring Releases of Airborne Radioactive Substances from the Stacks and Ducts of Nuclear Facilities
ANSI/HPS N13.12-1999	Surface and Volume Radioactivity Standards for Clearance
ANSI/HPS N13.39-2001	Design of Internal Dosimetry Programs
ANSI/HPS N13.49-2001	Performance and Documentation of Radiological Surveys
ANSI/IEEE 1008	Standard for Software Testing
ANSI/IEEE 1012-1986	IEEE Standard for Software Verification and Validation Plans
ANSI/IEEE 1028	Standard for Software Reviews
ANSI/IEEE 1042	Guide to Software Configuration Management
ANSI/IEEE 1050-1989 (R 1996)	IEEE Guide for Instrumentation and Control Equipment Grounding in Generating Stations
ANSI/IEEE 1228	Standard for Software Safety Plans
ANSI/IEEE 323-1990 (R 1996)	IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations
ANSI/IEEE 334-1994	IEEE Standard for Qualifying Continuous Duty Class 1E Motors for Nuclear Power Generating Stations
ANSI/IEEE 338-1987 (R 1993)	IEEE Standard for Criteria for the Periodic Surveillance Testing of Nuclear Power Generating Station Safety



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI/IEEE 383-1974 (R 1992)	IEEE Standard for Type Test of Class 1E Electric Cables, Field Splices, and Connections for Nuclear Power Generating Station
ANSI/IEEE 535-1986 (R 1994)	IEEE Standard for Qualification of Class 1E Lead Storage Batteries for Nuclear Power Generating Stations
ANSI/IEEE 577-1976 (R 1993)	IEEE Standard Requirements for Reliability Analysis in the Design and Operation of Safety Systems for Nuclear Power Generating Stations
ANSI/IEEE 628-1987 (R 1993)	IEEE Standard Criteria for the Design, Installation, and Qualification of Raceway Systems for Class 1E Circuits for Nuclear Power Generating Stations
ANSI/IEEE 649-1991	IEEE Standard for Qualifying Class 1E Motor Control Centers for Nuclear Power Generating Stations
ANSI/IEEE 650-1991	IEEE Standard for Qualification of Class 1E Static Battery Chargers and Inverters for Nuclear Power Generating Stations
ANSI/IEEE 7-4.3.2	Standard Criteria for Digital Computers in Safety Systems for Nuclear Power Generating Stations
ANSI/IEEE 830-1984	Recommended Practice for Software Requirements Specifications
ANSI/IEEE 833-1988 (R 1994)	IEEE Recommended Practice for the Protection of Electric Equipment in Nuclear Power Generating Stations from Water Hazards
ANSI/IEEE 934-1987 (R 1993)	Requirements for Replacement Parts for Class 1E Equipment in Nuclear Power Generating Stations
ANSI/IEEE 944-1986 (R 1996)	IEEE Recommended Practice for the Application and Testing of Uninterruptible Power Supplies for Power Generating Stations
ANSI/IEEE 946-1993	IEEE Recommended Practice for the Design of DC Auxiliary Power Systems for Generating Stations
ANSI/IEEE C2-1997	National Electrical Safety Code 05/01/00
ANSI/IEEE C37 series	Circuit Breakers, Switchgears, Substations, and Fuses
ANSI/IEEE C95.1	Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Magnetic Fields, 3kHz to 300 GHz
ANSI/IEEE N 323-1978	Radiation Protection Instrumentation Test and Calibration
ANSI/IEEE N 42.18-1980	Specification and Performance of On-Site Instrumentation for Continuously Monitoring Radioactivity in Effluents
ANSI/IES RP7-2001	Industrial Lighting



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI/ISA SP75.01	Control Valve Sizing Equations
ANSI/ISEA 101	American National Standard for Limited-Use and Disposal Coveralls - Size and Labeling Requirements
ANSI/ISEA 107	American National Standard for High Visibility Safety Apparel and Headwear
ANSI/ISEA 207	American National Standard for High Visibility Public Safety Vests
ANSI/ISO/ASQ Q9001:2000	Quality Management Systems: Requirements
ANSI/ISO/ASQC Q10012-1-1992	Quality Assurance Requirements for Measuring Equipment, Part 1: Meteorological Confirmation System for Measuring Equipment
ANSI/ISO/ASQC-14001-1996	Environmental Management Systems - Specification with Guidance for Use
ANSI/ISO/ASQC-14004-1996	Environmental Management Systems - General Guidelines on Principles, Systems, and Supporting Techniques
ANSI/ISO/ASQC-14010-1996	Guidelines for Environmental Auditing - General Principles
ANSI/ISO/ASQC-14011-1996	Guidelines for Environmental Auditing - Audit Procedures - Auditing of Environmental Management Systems
ANSI/ISO/ASQC-14012-1996	Guidelines for Environmental Auditing - Qualification Criteria for Environmental Auditors
ANSI/ISO/ASQC-Q9001-1994	Quality Systems -Model for Quality Assurance in Design/Development, Production, Installation, and Servicing.
ANSI/ISO/ASQC-Q9002-1994	Quality Systems -Model for Quality Assurance in Production and Installation.
ANSI/ISO/ASQC-Q9004-1994	Quality Management and Quality System Elements - Guidelines
ANSI/ITSDF 856.1	Safety Standard for Powered Industrial Trucks - Low Lift and High Lift Trucks
ANSI/ITSDF 856.6	Rough Terrain Fork Lift Trucks
ANSI/NBIC NB-23	National Board Inspection Code
ANSI/NCSL Z540-1-1994	American National Standard for Calibration - Calibration Laboratories and Measuring and Test Equipment - General Requirements



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ANSI/NCSL Z540-1-1997	Calibration Laboratories and Measuring and Test Equipment, General Requirements
ANSI/NFPA 70E	Electrical Safety Requirements for Employee Work Places, 1995
ANSI/PIMA IT9.2-1998	American National Standard for Imaging Materials - Photographic Processed Films, Plates, and Papers - Filing Enclosures and Storage Containers
ANSI/SAE A 92.2	American National Standard for Vehicle-Mounted Elevating and Rotating Aerial Devices
ANSI/SIA A92.2 (1990)	American National Standard for Vehicle-Mounted Elevating and Rotating Aerial Devices (equipment design specification only)
ANSI/UL 558	Internal Combustion Engine Powered Industrial Trucks
ANSI/UL 583	Electric Battery Powered Industrial Trucks
ANSI/UL 726	Oil-Fired Boiler Assemblies, 7th Edition
APHA	Methods of Air Sampling and Analysis
API 12P	Specification for Fiberglass Reinforced Plastic Tanks
API 1631	Interior Lining and Periodic Inspection of Underground Storage Tanks
API 1632	Cathodic Protection of Underground Petroleum Storage Tanks and Piping Systems
API 5 (2005)	Service Station Safety, Accident Prevention Manual
API 610	Centrifugal Pumps for Petroleum, Petrochemical and Natural Gas Industries
API 620	Design and Construction of Large, Welded, Low-Pressure Storage Tanks
API 650	Welded Steel Tanks for Oil Storage, Eighth Edition
API 674	Positive Displacement Pumps - Reciprocating
API 675	Positive Displacement Pumps - Controlled Volume



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
API PR 98	California State Petroleum Safety Order on Drilling Safety (Waiver that applies in California)
API Pub 1615	Installation of Underground Petroleum Storage Systems
API RP 579	Fitness for Service
API RP 750	Management of Process Hazards, American Petroleum Institute Recommended Practice
API RP-54	Safety for Gas and Oil Well Drilling
AREA	Manual for Railway Engineering (Fixed Properties)
ARI 1010	Drinking-Fountains and Self-Contained Mechanically-Refrigerated Drinking Water Coolers
ARI 210	Standard for Unitary Air Conditioning Equipment
ARI 240	Standard for Air-Source Unitary Heat Pump Equipment
ARI 280	Standard for Central Forced-Air Electric Heating Equipment
ARI 310/380	Packaged Terminal Air-Conditioners and Heat Pumps
ARI 320	Standard for Water Source Heat Pumps
ARI 325	Ground Water-Source Heat Pumps
ARI 330	Ground-Source Closed-Loop Heat Pumps
ARI 340/360	Commercial and Industrial Unitary Air-Conditioning and Heat Pump Units
ARI 365	Commercial and Industrial Unitary Air-Conditioning Condensing Units
ARI 410	Forced-Circulation Air-Cooling and Air-Heating Coils
ARI 430	Central-Station Air-Handling Units



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ARI 450	Remote Type Water-Cooled Refrigerant Condensers
ARI 460	Remote Mechanical-Draft Air-Cooled Refrigerant Condensers
ARI 470	Desuperheater/Water Heater
ARI 520	Positive Displacement Refrigerant Compressors, Compressor Units and Condensing Units
ARI 550	Centrifugal or Rotary Screw Water Chilling Packages
ARI 560	Absorption Water-Chilling and Water Heating Packages
ARI 590	Positive Displacement Compressor Water-Chilling Packages
ARI 610	Standard for Central System Humidifiers
ARI 850	Commercial and Industrial Air Filter Equipment
ARMA	Guide to Preparing Built-up Roofing Specifications
ARMA	Recommended Performance Criteria for Roofing Membrane using Polymer Modified Bituminous Products (Inactive)
ARMA	Residential Asphalt Roofing Manual
ARMA 800	Sealant Selection and Installation (Inactive)
ASA S3.5	Methods of Calculation of the Speech Intelligibility Index
ASCE 37	Design and Construction of Sanitary and Storm Sewers
ASCE 4	Seismic Analysis of Safety-Related Nuclear Structures, 1989
ASCE 43-05	Seismic Design Criteria for Structures, Systems, and Components in Nuclear Facilities
ASCE 52	Guide for Design of Steel Transmission Towers



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASCE 58	Structural Analysis and Design of Nuclear Plant Facilities
ASCE 63	Structural Plastic Design Manual
ASCE 7	Minimum Design Loads for Buildings and Other Structures
ASCE 72	Design of Steel Transmission Pole Structures
ASCE 8	Specification for the Design of Cold-Formed Stainless Steel Structural Members
ASHRAE	Design of Smoke Management Systems
ASHRAE	HVAC Applications
ASHRAE	HVAC Fundamentals
ASHRAE	HVAC Systems and Equipment
ASHRAE	Refrigeration
ASHRAE	Simplified Energy Analysis using the BIN Method
ASHRAE 100	Energy Conservation in Existing Buildings
ASHRAE 103	Methods of Testing for Annual Fuel Utilization Efficiency of Residential Central Furnaces and Boilers with exceptions
ASHRAE 110	Method of Testing Performance of Laboratory Fume Hoods
ASHRAE 111	Practices for Measurement, Testing, Adjusting, and Balancing of Building Heating, Ventilation, Air-Conditioning, and Refrigeration Systems
ASHRAE 15	Safety Code for Mechanical Refrigeration
ASHRAE 16	Method of Testing for Rating Room Air Conditioners
ASHRAE 20	Methods of Testing for Rating Remote Mechanical Draft Air Cooled Refrigerant Condensers



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASHRAE 24	Methods of Testing for Rating Liquid Coolers
ASHRAE 37	Method of Testing for Rating Unitary Air Conditioning and Heat Pump Equipment
ASHRAE 51	Laboratory Methods of Testing Fans for Rating
ASHRAE 52.1-1992	Gravimetric and Dust-Spot Procedures for Testing Air Cleaning Devices Used in General Ventilation for Removing Particulate Matter
ASHRAE 55	Thermal Environmental Conditions for Human Occupancy
ASHRAE 62	Ventilation for Acceptable Indoor Air Quality
ASHRAE 90	Energy Conservation in New Building Design
ASHRAE 93	Methods of Testing to Determine the Thermal Performance of Solar Collectors
ASHRAE GRP 158	Cooling and Heating Load Calculation Manual
ASHRAE Handbook	Fundamentals (Inch-Pound Edition)
ASHRAE Handbook	Fundamentals Volume
ASHRAE/ESNA 90.1	Energy Efficient Design of New Buildings Except Low-Rise Residential Buildings, including Addenda 90.16-92, 90.1d-92, 90.1e-92, 90.1g-93, and 90.1i-93
ASME A 17.1	Safety Code for Elevators and Escalators
ASME A13.1	Scheme for Identification of Piping Systems
ASME B 16	Fittings, Flanges and Valves
ASME B 31.1	Power Piping
ASME B 31.2	Fuel Gas Piping
ASME B 31.3	Chemical Plant and Petroleum Refinery Piping



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASME B 31.4	Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids
ASME B 31.5	Refrigeration Piping
ASME B 31.8	Gas Transmission and Distribution Piping
ASME B 56.1-1993	Low-Lift and High-Lift Trucks
ASME B30.10	Hooks
ASME B30.20	Below-the-Hook Lifting Devices
ASME B30.23	Personnel Lifting Systems
ASME B30.26	Rigging Hardware
ASME B30.5	Mobile and Locomotive Cranes
ASME B30.9	Slings
ASME B31.11	Slurry Transportation Piping Systems 2002
ASME B31.9	Building Service Piping
ASME B56.6 (1993)	Rough Terrain Fork Lift Trucks (equipment design specification only)
ASME BPVC	Boiler and Pressure Vessel Code
ASME BPVC; Sections I, II, IV, V - X	American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (for new construction and new purchases of pressure vessels)
ASME F00230	Boiler and Pressure Vessel Code
ASME FAP-I-1990	Quality Assurance Program Requirements for Fastener Manufacturers and Distributors
ASME N 509	Nuclear Power Plant Air-Cleaning Units and Components



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASME N 510	Testing of Nuclear Air Cleaning Systems
ASME NQA-1	Quality Assurance Program Requirements for Nuclear Facilities
ASME NQA-1-1994, Part 2.15	Quality Assurance Requirements for Hoisting, Rigging, and Transporting of Items for Nuclear Power Plants
ASME NQA-1-1997	Quality Assurance Program Requirements for Nuclear Facilities, Part 1, Requirements and Part 3, Nonmandatory Appendices
ASME NQA-1-2000	Quality Assurance Requirements for Nuclear Applications, Parts 1,2, and 3
ASME NQA-1a-1995	Quality Assurance Requirements for Nuclear Facility Applications, ASME NQA-1-1994 and ASME NQA-1a-1995 Addenda, 1-19-96
ASME NQA-2	Quality Assurance Requirements for Nuclear Facility Applications
ASME NQA-2a	Quality Assurance Program Requirements for Nuclear Facility Applications
ASME NQA-3	Quality Assurance Program Requirements for the Collection of Scientific and Technical Information for Site Characterization of High-Level Nuclear Waste Repositories
ASME PTC 4.1	Steam Generating Units
ASME QME-1	Qualification of Active Mechanical Equipment Used in Nuclear Facilities
ASME STS-1	Steel Stacks
ASME Y 14.100M	Engineering Drawing Practices
ASME Y 14.13M	Mechanical Spring Representation
ASME Y 14.15	Electrical and Electronic Diagrams
ASME Y 14.18M	Optical Parts
ASME Y 14.2	Line Conventions and Lettering
ASME Y 14.24M	Types and Applications of Engineering Drawings



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASME Y 14.34M	Associated Lists
ASME Y 14.35M	Revision of Engineering Drawings and Associated Documents
ASME Y 14.36M	Surface Texture Symbols
ASME Y 14.38-1999	Abbreviations and Acronyms
ASME Y 14.3M	Multiview and Sectional View Drawings
ASME Y 14.4M	Pictorial Drawing
ASME Y 14.5M	Dimensioning and Tolerancing
ASME Y 14.6	Screw Thread Representation
ASME Y 14.7.1	Gear Drawing Standards - Part 1 for Spur, Helical, Double Helical and Rack
ASME Y 14.7.2	Gear and Spline Drawing Standards Part 2 - Bevel and Hypoid Gears
ASME Y 14.8M	Castings and Forgings
ASME Y 32.18	Symbols for Mechanical and Acoustical Elements as Used in Schematic Diagrams
ASME Y 32.2.3	Graphical Symbols for Pipe Fittings, Valves and Piping
ASME Y 32.2.4	Graphical Symbols for Heating, Ventilating, and Air Conditioning
ASME Y 32.2.6	Graphic Symbols for Heat-Power Apparatus
ASME Y 32.7	Graphic Symbols for Railroad Maps and Profiles
ASME Y14.2M	Line Conventions and Lettering
ASME-NQA-1-2004	Quality Assurance Requirements for Nuclear Facility Applications



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASME-NQA-1-2008	Quality Assurance Requirements for Nuclear Facility Applications
ASNT SNT-TC-1A	Recommended Practice December 1992 Edition - Qualification of Nondestructive Testing Personnel
ASNT SNT-TC-1A Supplement D	Personnel Qualification and Certification in Nondestructive Testing
ASNT SNT-TC-1A, Supplement B	Magnetic Particle Method
ASQ Energy Division, 1982	Quality Surveillance Guidelines and Quality Surveillance Handbook, ASQC Quality Press
ASQC E4	Specifications and Guidelines for Quality Systems for Environmental Data Collection and Environmental Technology Programs
ASTM 153	Zinc Coating (Hot-Dip) on Iron and Steel Hardware
ASTM 2413	Standard Specification for Performance Requirements for Foot Protection
ASTM 646	Steel Drill Screws for the Application of Gypsum Board to Light-Gage Steel Studs
ASTM 665	Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing
ASTM A 108	Steel Bars, Carbon, Cold-Finished, Standard Quality
ASTM A 120	Pipe, Steel Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless, for Ordinary Uses
ASTM A 121	Zinc-Coated (Galvanized) Steel Barbed Wire
ASTM A 123	Zinc (Hot-Galvanized) Coatings on Products Fabricated from Rolled, Pressed, and Forged Steel Shapes, Plates, Bars, and Strip
ASTM A 137.1	Standard Specification for Ceramic Tile
ASTM A 185	Welded Steel Wire Fabric for Concrete Reinforcement
ASTM A 307	Specification for Carbon Steel Externally Threaded Standard Fasteners
ASTM A 312	Standard Specification for Seamless and Austenitic Stainless Steel Pipe



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASTM A 325-89	Specification for High-Strength Bolts for Structural Steel Joints
ASTM A 36	Specification for Structural Steel
ASTM A 366	Steel Sheet, Carbon, Cold-Rolled, Commercial Quality
ASTM A 385	Standard Practice for Providing High Quality Zinc Coatings (Hot-Dip)
ASTM A 392	Zinc-Coated Steel Chain-Link Fence Fabric
ASTM A 446	Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Structural (Physical) Quality
ASTM A 496	Deformed Steel Wire for Concrete Reinforcement
ASTM A 501	Hot-Formed Welded and Seamless Carbon Steel Structural Tubing
ASTM A 525	Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process
ASTM A 563	Specification for Carbon Steel Nuts
ASTM A 572	High-Strength Low-Alloy Columbium-Vanadium Steels of Structural Quality
ASTM A 615	Deformed and Plain Billet-Steel Bars for Concrete Reinforcement
ASTM A 746	Standard Specification for Ductile Gravity Sewer Pipe
ASTM A 82	Cold Drawn Steel Wire for Concrete Reinforcement
ASTM A176	Standard Specification for Stainless and Heat-Resisting Chromium Steel Plate, Sheet, and Strip
ASTM A193	Specification for Alloy-Steel and Stainless Steel Bolting Materials for High-Temperature Service
ASTM A194	Standard Specification for Carbon and Alloy Steel Nuts for Bolts for High Pressure or High Temperature Service, or Both
ASTM A240	Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASTM A262	Standard Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels
ASTM A268	Standard Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service
ASTM A269	Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service
ASTM A370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products
ASTM A380	Standard Practice for Cleaning, Descaling, and Passivation of Stainless Steel Parts, Equipment, and Systems
ASTM A403	Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings
ASTM A449	Standard Specification for Hex Cap Screws, Bolts, and Studs, Steel, Heat Treated, 120/ 105/90 ksi Minimum Tensile Strength, General Use
ASTM A500	Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes
ASTM A513	Specification for Electric-Resistance-Welded Carbon and Alloy Steel Mechanical Tubing
ASTM A53	Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated Welded and Seamless
ASTM A564	Standard Specification for Carbon and Alloy Steel Nuts
ASTM A74	Standard Specification for Cast Iron Soil Pipe and Fittings
ASTM A763	Standard Practices for Detecting Susceptibility to Intergranular Attack in Ferritic Stainless Steels
ASTM A888	Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications
ASTM B 1	Standard Specification for Hard-Drawn Copper Wire
ASTM B 152	Standard Specification for Copper Sheet, Strip, Plate and Rolled Bar
ASTM B 32	Solder Metal
ASTM B 329	Apparent Density of Metal Powders and Compounds Using the Scott Volumeter



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASTM B 446	Standard Specification for Nickel-Chromium-Molybdenum-Columbium Alloy (UNSO6625)
ASTM B 486	Paste Solder
ASTM B 8	Standard Specification for Concrete-Lay Stranded Copper Conductors
ASTM B209	Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate
ASTM B210	Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes
ASTM B221	Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles and Tubes
ASTM B241	Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube
ASTM B251	Standard Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube
ASTM B308	Standard Specification for Aluminum-Alloy 6061-T6 Standard Structural Profiles
ASTM B68	Standard Specification for Seamless Copper Tube, Bright Annealed
ASTM B75	Standard Specification for Seamless Copper Tube
ASTM B813	Standard Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube
ASTM B819	Standard Specification for Seamless Copper Tube for Medical Gas Systems
ASTM B828	Standard Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings
ASTM B88	Standard Specification for Seamless Copper Water Tube
ASTM C 1009	Standard Guide for Establishing a QA Program for Analytical Chemistry Laboratories within the Nuclear Industry
ASTM C 1030	Standard Test Method for Determination of Plutonium Isotopic Composition by Gamma-Ray Spectrometry
ASTM C 1036	Standard Specification for Flat Glass



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASTM C 1068	Standard Guide for the Qualification of Measurement Methods by a Laboratory Within the Nuclear Industry
ASTM C 109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Or 50-mm Cube Specimens)
ASTM C 1108	Test Method for Plutonium by Controlled-Potential Coulometry
ASTM C 1112	Guide for Application of Radiation Monitors to the Control and Physical Security of Special Nuclear Material
ASTM C 1112-99	Standard Guide for Application of Radiation Monitors to the Control and Physical Security of Special Nuclear Material
ASTM C 1128	Standard Guide for the Preparation of Working Reference Materials for Use in the Analysis of Nuclear Fuel Cycle Materials
ASTM C 1133	Standard Test Method for the Nondestructive Assay of Special Nuclear Material in Low-Density Scrap and Waste by Segmented Passive Gamma-Ray Scanning
ASTM C 1156	Standard Guide for Establishing Calibration for a Measurement Method Used to Analyze Nuclear Fuel Cycle Materials
ASTM C 1168	Standard Practice for Preparation and Dissolution of Plutonium Materials for Analysis
ASTM C 1169	Guide for Laboratory Evaluation of Automatic Pedestrian SNM Monitor Performance
ASTM C 1169-97	Standard Guide for Laboratory Evaluation of Automatic Pedestrian SNM Monitor Performance
ASTM C 1189	Guide to Procedures for Calibrating Automatic Pedestrian SNM Monitor
ASTM C 1189-02	Standard Guide to Procedures for Calibrating Automatic Pedestrian SNM Monitors
ASTM C 1196	Test Method of In Situ Compressive Stress Within Solid Unit Masonry Estimated Using Flatjack Measurements
ASTM C 1204	Test Method for Uranium in the Presence of Plutonium by Iron (II) Reduction in Phosphoric Acid Followed by Chromium (VI) Titration
ASTM C 1210	Standard Guide for Establishing a Measurement System Quality Control Program for Analytical Chemistry Laboratories Within the Nuclear Industry
ASTM C 1215-92	Standard Guide for Preparing and Interpreting Precision and Bias Statements in Test Method Standards Used in the Nuclear Industry
ASTM C 1236	Guide for In-Plant Performance Evaluation of Automatic Vehicle SNM Monitors



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASTM C 1236-99	Standard Guide for In-Plant Performance Evaluation of Automatic Vehicle SNM Monitors
ASTM C 1237	Guide to In-Plant Performance Evaluation of Hand-Held SNM Monitors
ASTM C 1237-99	Standard Guide to In-Plant Performance Evaluation of Hand-Held SNM Monitors
ASTM C 1267	Test Method for Uranium by Iron (II) Reduction in Phosphoric Acid Followed by Chromium (VI) Titration in the Presence of Vanadium
ASTM C 1268	Standard Test Method for Quantitative Determination of Americium 241 in Plutonium by Gamma-Ray Spectrometry
ASTM C 1284	Standard Practice for the Electrodeposition of the Actinides for Alpha Spectrometry
ASTM C 1297	Standard Guide for the Qualification of Laboratory Analysts for the Analysis of Nuclear Fuel Cycle Materials
ASTM C 1346	Standard Practice for Dissolution of Uranium Hexafluoride from P-10 Tubes
ASTM C 1347	Standard Practice for Preparation and Dissolution of Uranium Materials for Analysis
ASTM C 1411	Standard Practice for Ion Exchange Separation of Uranium and Plutonium Isotopes Prior to Isotopic Analysis
ASTM C 1413	Standard Test Method for Isotopic Analysis of Hydrolyzed Uranium Hexafluoride and Uranyl Nitrate Solutions by Thermal Ionization Mass Spectrometry
ASTM C 1415	Standard Test Method for Pu-238 by Alpha Spectrometry
ASTM C 143	Slump of Portland Cement Concrete
ASTM C 144	Aggregate for Masonry Mortar
ASTM C 150	Specification for Portland Cement (Rev. A)
ASTM C 1672	Standard Test Method for Determination of Uranium or Plutonium Isotopic Composition or Concentration by the Total Evaporation Method Using a Thermal Ionization Mass Spectrometer
ASTM C 172	Sampling Fresh Cement
ASTM C 177	Standard Test Method for Steady State Thermal Transmission Properties by Means of the Guard Hot Plate



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASTM C 206	Finished Hydrated Lime
ASTM C 207	Hydrated Lime for Masonry Purposes
ASTM C 208	Insulating Board (Cellulosic Fiber), Structural and Decorative (reapproved 1982)
ASTM C 236	Standard Test Method for Thermal Conductance and Transmittance of Built-Up Sections by Means of the Guarded Hot Box
ASTM C 260	Air-Entraining Admixtures for Concrete
ASTM C 270	Standard Specification for Mortar for Unit Masonry
ASTM C 272	Test for Water Absorption of Core Materials for Structural Sandwich Construction
ASTM C 309	Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete
ASTM C 31	Making and Curing Concrete Test Specimens in the Field
ASTM C 33	Concrete Aggregates
ASTM C 355	Test for Water Vapor Transmission of Thick Materials
ASTM C 36	Gypsum Wallboard
ASTM C 39	Compressive Strength of Cylindrical Concrete Specimens
ASTM C 404	Aggregates for Masonry Grout
ASTM C 423	Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ASTM C 442	Gypsum Backing Board and Coreboard
ASTM C 475	Joint Compound and Joint Tape for Gypsum Wallboard
ASTM C 476	Grout for Reinforced and Non-reinforced Masonry



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASTM C 494	Chemical Admixtures for Concrete
ASTM C 509	Standard Specification for Elastomeric Cellular Preformed Gasket and Sealing Material
ASTM C 516	Standard Specification for Vermiculite Loose Fill Thermal Insulation
ASTM C 518	Standard Test Method for Steady State Thermal Transmission Properties by Means of Heat Flow Meter
ASTM C 520	Standard Method for Density of Granular Loose-Fill Insulation (reapproved 1975)
ASTM C 523	Light Reflections of Acoustical Materials by the Integrating Sphere Reflectometer
ASTM C 533	Standard Specification for Calcium Silicate Block and Pipe Thermal Insulation
ASTM C 534	Standard Specification for Preformed Flexible Elastomeric Cellular Thermal Insulation in Sheet and Tubular Form
ASTM C 547	Standard Specification for Mineral Fiber Pipe Insulation
ASTM C 549	Standard Specification for Perlite Loose Fill Insulation (reapproved 1986)
ASTM C 55	Standard Specification for Concrete Building Brick
ASTM C 552	Standard Specification for Cellular Glass Thermal Insulation
ASTM C 553	Standard Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications
ASTM C 570	Specification for Oil and Resin Based Caulking Compound for Building Construction
ASTM C 578	Standard Specification for Preformed, Block-Type Cellular Polystyrene Thermal Insulation
ASTM C 591	Standard Specification for Unfaced Preformed Rigid Cellular Polyisocyanurate Thermal Insulation
ASTM C 592	Standard Specification for Mineral Fiber Blanket Insulation and Blanket-Type Pipe Insulation (Metal-Mesh Covered) (Industrial Type)
ASTM C 610	Standard Specification for Molded Expanded Perlite Block and Pipe Thermal Insulation



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASTM C 612	Standard Specification for Mineral Fiber Block and Board Thermal Insulation
ASTM C 618	Standard Specification for Fly Ash and Raw or Calcinated Natural Pozzolan of Use as a Mineral Admixture in Portland Cement Concrete
ASTM C 62	Standard Specification for Building Brick (Solid Masonry Units Made from Clay or Shale)
ASTM C 630	Water-Resistant Gypsum Backing Board
ASTM C 635	Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and for Lay-In Panels
ASTM C 636	Standard Recommended Practice for Installation of Metal Ceiling Systems for Acoustical Tile and for Lay-In Panels
ASTM C 645	Non-Load Bearing Axial Steel Studs, Runners Track, and Rigid Furring Channels for Screw Application of Gypsum Board
ASTM C 660	Standard Practices for Production and Preparation of Gray Iron Castings for Porcelain Enameling (Reapproved 1989)
ASTM C 696	Standard Methods for Chemical, Mass Spectrometric, and Spectrochemical Analysis of Nuclear-Grade Uranium Dioxide Powders and Pellets
ASTM C 71	Standard Terminology Relating to Refractories
ASTM C 720	Specification for Spray-Applied Fibrous Thermal Insulation for Elevated Temperature (Discontinued 1999)
ASTM C 726	Standard Specification for Mineral Fiber and Roof Insulating Board
ASTM C 728	Standard Specification for Perlite Thermal Insulation Board
ASTM C 730	Standard Test Method for Knoop Indentation Hardness of Glass
ASTM C 755	Standard Recommended Practice for Selection for Vapor Barriers for Thermal Insulation
ASTM C 761	Standard Test Methods for Chemical, Mass Spectrometric, Spectrochemical, Nuclear, and Radiochemical Analysis of UF ₆
ASTM C 764	Standard Specification for Mineral Fiber Loose-Fill Thermal Insulation
ASTM C 790	Standard Recommended Practice for use of Latex Sealing Compounds



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASTM C 797	Standard Recommended Practices and Terminology for Use of Oil- and Resin-Based Putty and Glazing Compounds
ASTM C 804	Standard Recommended Practices for Use of Solvent Release Type Sealants
ASTM C 834	Specification for Latex Sealing Compounds (reapproved 1986)
ASTM C 840	Standard Specification for Application and Finishing of Gypsum Board
ASTM C 845	Standard Specification for Expansive Hydraulic Cement
ASTM C 892	Standard Specification for High-Temperature Fiber Blanket Thermal Insulation
ASTM C 90	Standard Specification for Load-Bearing Concrete Masonry Units
ASTM C 920	Standard Specification for Elastomeric Joint Sealants
ASTM C 94	Ready-Mixed Concrete
ASTM C 971	Guide for Selection and Application of Insulation Systems for Heating, Ventilating, and Air Conditioning Duct Work (Discontinued 1997)
ASTM C 976	Standard Test Method for Thermal Performance of Building Assemblies by Means of a Calibrated Hot Box
ASTM C 984	Specification for Perlite Board and Rigid Cellular Polyisocyanurate Composite Roof Insulation (Discontinued 1997)
ASTM C 984	Standard Method of Test for Apparent Density of Rigid Cellular Plastics (reapproved 1975)
ASTM C 986	Standard Guide for Developing Training Programs in the Nuclear Fuel Cycle
ASTM C 993	Guide for In-Plant Performance Evaluation of Automatic Pedestrian SNM Monitors
ASTM C 993-97	Standard Guide for In-Plant Performance Evaluation of Automatic Pedestrian SNM Monitors
ASTM C1277	Standard Specification for Shielded Couplings Joining Hubless Cast Iron Soil Pipe Fittings
ASTM C852	Standard Guide for Design Criteria for Plutonium Gloveboxes



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASTM D 1505	Standard Test Method for Density of Plastics by the Density-Gradient Technique
ASTM D 1557	Moisture-Density Relations of Soils and Soil-Aggregate Mixtures, Using 10-lb. (4.54-kg) Rammer and 18-in. (457-mm) Drop
ASTM D 1586	Standard Method for Penetration Test and Split-Barrel Sampling of Soils
ASTM D 1603	Standard Test Method of Carbon Black Content in Olefin Plastics
ASTM D 178	Specifications for Rubber Insulating Matting
ASTM D 1914-95	Conversion Units & Factors Relating to Sampling and Analysis of Atmospheres
ASTM D 2113	Standard Practice for Diamond Core Drilling for Site Investigation
ASTM D 2156	Method of Tests for Smoke Density in Flue Gases from Distillate Fuels [reapproved 1975 (ANSI Z11.182-65 (R 1971))]
ASTM D 2216	Laboratory Determination of Water (Moisture) Content of Soil, Rock, and Soil-Aggregate Mixtures
ASTM D 2240	Rubber Property - Durometer Hardness
ASTM D 2488	Standard Practice for Description and Identification of Soils (Visual-Manual Procedure)
ASTM D 257	Test for DC Resistance on conductance of Insulating Materials
ASTM D 2922	Density of Soil and Soil-Aggregate In Place by Nuclear Methods (Shallow Depth)
ASTM D 3017	Moisture Content of Soil and Soil-Aggregate In Place by Nuclear Methods (Shallow Depth)
ASTM D 3631-95	Measuring Surface Atmospheric Pressure
ASTM D 3656	Standard Specification for Insect Screening and Louver Cloth Woven from Vinyl Coated Glass Yarns
ASTM D 3678	Standard Specification for Rubber Cellular Cushion Used for Carpet or Rug Underlay
ASTM D 3786	Standard Test Method for Hydraulic Bursting Strength of Knitted Goods and Nonwoven Fabrics - Diaphragm Bursting Strength Tester Method



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASTM D 396	Standard Specification for Fuel Oils
ASTM D 4023-82a/R96	Humidity Measurements
ASTM D 4099	Standard Specification for Poly (Vinyl Chloride) (PVC) Prime Windows/Sliding Glass Doors
ASTM D 422	Particle-Size Analysis of Soils
ASTM D 4230-83/R96	Measuring Humidity with Cooled-Surface Condensation (Dew-Point) Hygrometer
ASTM D 4256	Standard Test Method for the Determination of the Decontaminability of Coatings Used in Light-Water Nuclear Power Plants
ASTM D 4258	Surface Cleaning of Concrete
ASTM D 4259	Abrading Concrete
ASTM D 4355	Standard Test Method for Deterioration of Geotextiles from Exposure to Ultraviolet Light and Water (Xenon-Arc Type Apparatus)
ASTM D 4430-96	Determining Operational Comparability of Meteorological Measurements
ASTM D 4437	Standard Practice for Determining the Integrity of Field Seams Used in Joining Flexible Polymeric Sheet Geomembranes
ASTM D 4491	Standard Test Methods for Water Permeability of Geotextiles by Permittivity
ASTM D 4533	Standard Test Method for Trapezoid Tearing Strength of Geotextiles
ASTM D 4540	Standard Guide for Testing Interior Latex Semigloss and Gloss Paints
ASTM D 4546	Standard Test Method for One-Dimensional Swell or Settlement Potential of Cohesive Soil
ASTM D 4632	Standard Test Method for Breaking Load and Elongation of Geotextiles (Grab Method)
ASTM D 4833	Standard Test Method for Index Puncture Resistance of Geotextiles, Geomembranes and Related Products
ASTM D 5035	Standard Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method)



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASTM D 5096-96	Determining the Performance of a Cup Anemometer or Propeller Anemometer
ASTM D 512	Chloride Ion in Water
ASTM D 5199	Standard Test Method for Measuring Thickness of Textile Materials
ASTM D 5261	Standard Test Method for Mass Per Unit Area (Weight) of Textiles
ASTM D 5359	Glass Cullet Recovered from Waste
ASTM D 5366-96	Determining the Dynamic Performance of a Wind Vane
ASTM D 5527-94	Measuring Surface Wind and Temperature by Acoustic Means
ASTM D 5741-96	Characterizing Surface Wind Using a Wind Vane and a Rotating Anemometer
ASTM D 6011-96	Determining the Performance of a Sonic Anemometer/Thermometer
ASTM D 6176M-97	Measuring Surface Atmospheric Temperature with Electrical Resistance Temperature Sensors (Metric)
ASTM D 6365	Standard Practice for Nondestructive Testing of Geomembrane Seams Using The Spark Test
ASTM D 698	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort
ASTM D1048	Specifications for Rubber Insulating Blankets
ASTM D1051-1087	Standard Specification for Rubber Insulating Sleeves
ASTM D120	Standard Specification for Rubber Insulating Gloves
ASTM D149	Standard Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies
ASTM D1708	Standard Test Method for Tensile Properties of Plastics by Use of Microtensile Specimens
ASTM D1785	Standard Specification For Poly (Vinyl Chloride)(PVC) Plastic Pipe, Schedules 40, 80, and 120



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASTM D18	Specifications for Rubber Insulating Matting
ASTM D2000	Standard Classification System for Rubber Products in Automotive Applications-SAE J200
ASTM D2241	Standard Specification for Poly(Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series)
ASTM D2464	Standard Specification for Threaded Poly (Vinyl Chloride)(PVC) Plastic Pipe Fittings, Schedule 80
ASTM D2466	Standard Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe Fittings, Schedule 40
ASTM D2467	Standard Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe Fittings, Schedule 80
ASTM D2564	Standard Specification for Solvent Cements for Poly (Vinyl Chloride)(PVC) Plastic Piping Systems
ASTM D2661	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings
ASTM D2665	Standard Specification for Poly (Vinyl Chloride)(PVC) Plastic Drain, Waste, and Vent Pipe and Fittings
ASTM D2855	Standard Practice for Making Solvent-Cemented Joints with Poly (Vinyl Chloride)(PVC) Pipe and Fittings
ASTM D4751	Standard Test Method for Determining Apparent Opening Size of a Geotextile
ASTM D792	Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement
ASTM E 104-85/R96	Maintaining Constant Relative Humidity by Means of Aqueous Solutions
ASTM E 1168	Standard Guide for Radiological Protection Training for Nuclear Facility Workers
ASTM E 119	Standard Methods of Fire Tests of Building Construction and Materials
ASTM E 1264	Standard Classification for Acoustical Ceiling Products
ASTM E 1301-95:2003	Standard Guide for Proficiency Testing by Interlaboratory Comparisons
ASTM E 136	Behavior of Materials in a Vertical Tube Furnace at 750 degrees C



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASTM E 142	Controlling Quality of Radiographic Testing
ASTM E 152	Methods of Fire Tests of Door Assemblies
ASTM E 2132-01	Standard Practice for Assessing Loss, Damage, or Destruction of Property
ASTM E 2135-07	Standard Terminology for Property and Asset Management
ASTM E 2221-02	Standard Practice for Administrative Control of Property
ASTM E 2279-03	Standard Practice for Establishing the Guiding Principles of Property Management
ASTM E 2306-03	Standard Practice for Utilization and Disposal of Personal Property
ASTM E 283	Standard Test Method for Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors
ASTM E 29-93A	Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications
ASTM E 337-84/R96	Measuring Humidity with a Psychrometer (the Measurement of Wet- and Dry-Bulb Temperatures)
ASTM E 380	Standard Practice for the Use of the International System of Units (SI)
ASTM E 413	Classification for Rating Sound Insulation
ASTM E 413-04	Classification for Rating Sound Insulation
ASTM E 576	Standard Test Method for Dew/Frost Point of Sealed Insulating Glass Units in Vertical Position
ASTM E 580	Standard Practice for Application of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Requiring Seismic Restraint
ASTM E 617-91	Standard Specification for Laboratory Weights and Precision Mass Standards, 17th Edition, 1991
ASTM E 648	Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source
ASTM E 691	Standard Practice for Conducting an Interlaboratory Test Program to Determine the Precision of Test Methods



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASTM E 737	Standard Practice for the Installation of Storm Windows, Replacement Windows, Multi-Glazing, Storm Doors and Replacement Doors
ASTM E 84	Standard Test Method for Surface Burning Characteristics of Building Materials
ASTM E 90	Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions
ASTM E 96	Standard Test Method for Water Vapor Transmission of Materials in Sheet Form (reapproved 1972)
ASTM F 436	Hardened Steel Washers
ASTM F 693	Standard Practice for Sealing Seams of Resilient Sheet Flooring Products
ASTM F 792	Standard Practice for Design and Use of Ionizing Radiation Equipment for Detection of Items Prohibited in Controlled Areas
ASTM F 792-01e2	Standard Practice for Evaluating the Imaging Performance of Security X-Ray Systems
ASTM F104	Standard Classification System for Nonmetallic Gasket Materials
ASTM F1117	Standard Specification for Dielectric Overshoe Footwear
ASTM F1236	Standard Guide for Visual Inspection of Electrical Protective Rubber Products
ASTM F146	Standard Test Methods for Fluid Resistance of Gasket Materials
ASTM F1505	Specifications for Insulated and Insulating Hand Tools
ASTM F1506	Standard Specification for Protective Wearing Apparel for Use by Electrical Workers When Exposed to Momentary Electric Arc and Related Thermal Hazards
ASTM F152	Standard Test Methods for Tension Testing of Nonmetallic Gasket Materials
ASTM F1742	Specifications for PVC Insulating Sheeting
ASTM F36	Standard Test Method for Compressibility and Recovery of Gasket Materials
ASTM F37	Standard Test Methods for Sealability of Gasket Materials



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ASTM F38	Standard Test Methods for Creep Relaxation of a Gasket Material
ASTM F433	Standard Practice for Evaluating Thermal Conductivity of Gasket Materials
ASTM F496	Standard Specification for In-Service Care of Insulating Gloves and Sleeves
ASTM F696	Standard Specification for Leather Protectors for Rubber Insulating Gloves and Mittens
ASTM G 1	Standard Recommended practice for Preparing, Cleaning, and Evaluating Corrosion Test Specimens (reapproved 1979)
ASTM G 46	Standard Practice for Examination and Evaluation of Pitting Corrosion
ASTM G28	Standard Test Methods of Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys
ATA	Hazardous Materials Tariff
ATSSA	Uniform Traffic Control Devices
AWI	Architectural Woodwork Institute Quality Standards
AWS A2.4	Standard Symbols for Welding, Brazing, and Nondestructive Examination
AWS A3.0	Standard Welding Terms and Definitions Including Terms for Adhesive Bonding, Brazing, Soldering, Thermal Cutting, and Thermal Spraying
AWS B2.1	Specification for Welding Procedure and Performance Qualification
AWS D 1.1	Structural Welding Code-Steel
AWS D 1.2	Structural Welding Code-Aluminum
AWS D 1.3	Structural Welding Code-Sheet Steel
AWS D 1.4	Structural Welding Code - Reinforcing Steel
AWS D 14.1	Specification for Welding Industrial Mill Cranes



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
AWS D 5.2	Standards for Welded Steel, Elevated Tanks, Standpipes, and Reservoirs for Water Storage (see AWWA D100)
AWS D1.6	Structural Welding Code - Stainless Steel
AWS D9.1M	Sheet Metal Welding Code
AWS F 2.1	Recommended Safe Practice for Electron Beam Welding and Cutting
AWS QC-1	Specification for Qualification and Certification of Welding Inspectors
AWWA	Manual of Water Quality and Treatment
AWWA	Standard Methods for the Examination of Water and Wastewater
AWWA	Water Treatment Plant Design
AWWA C 651	Standard for Disinfecting Water Mains
AWWA C 652	Disinfection of Water Storage Facilities
AWWA D 100	Welded Steel Tanks for Water Storage
AWWA D100-96	Welded Steel Tanks for Water Storage (Includes Supplement to ANSI/AWWA D100a-89)
AWWA D100a-89	Welded Steel Tanks for Water Storage (Supplement to ANSI/AWWA D100-84)
Bell Telephone	Bell Telephone Standards Maintenance, Installation and Operation
BHMA 156 Series	Performance Standards
BIA	Building Code Requirements for Engineered Brick Masonry (replaced by ACI 530) (Inactive)
BIA	Dampproofing and Water Proofing Masonry Walls
BIA 7	Water Resistance of Brick Masonry—Design and Detailing



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
BOCA	Basic National Mechanical Code
BOCA NBC	National Building Code
CGA	Handbook of Compressed Gases
CGA G-4 1996	Oxygen
CGA G-5	Hydrogen
CGA G4.1	Cleaning Equipment for Oxygen
CGA G4.4	Industrial Practices for Gaseous Oxygen Transportation and Distribution Piping
CGA P-1	Safe Handling of Compressed Gases in Containers
CGA P-12	Compressed Gas Association Pamphlet, P12 Safe Handling of Cryogenic Liquids
CGA P-2.5	Transfilling of High Pressure Gaseous Oxygen to be Used for Respiration
CGA P-2.6	Transfilling of Liquid Oxygen to be Used for Respiration
CGA S-1.1	Pressure Relief Device Standards, Part 1, Cylinders for Compressed Gases
CGA S-1.2	Pressure Relief Device Standards, Part 2, Cargo and Portable Tanks for Compressed Gases
CGA S-1.3	Pressure Relief Device Standards, Part 3, Compressed Gas Storage Containers (Fourth Edition)
CGA V-1	Standard for Compressed Gas Cylinder Valve Outlet and Inlet Connections
CIAC 628	Computer Incident Advisory Capability
CIAC 632	Computer Incident Advisory Capability
CISCA	Acoustical Ceilings-Use and Practice



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
CMAA 70	Specification for Electric Overhead Traveling Cranes
CMAA 74	Crane Manufacturer's Association of America Specification
CSAO	Crane Handbook
CSAO	Rigging Manual
CSD-1	Controls and Safety Devices for Automatically Fired Boilers
CTI ATC-105	Acceptance Test Code for Water Cooling Towers
CTI Std. 201	Standard for the Certification of Water-Cooling Towers Thermal Performance
DHI	The Installation of Commercial Steel Doors and Steel Frames, Insulated Steel Doors in Wood Frames and Builder's Hardware
EIA 222-D	Structural Standards for Steel Antenna Towers and Antenna Supporting Structures
EIA/IS-632	Systems Engineering
FGMA	Glazing Manual
FGMA	Sealant Manual
FM (now FMRC)	Approval Guides
FM 1 (now FMRC)	Loss Prevention Data Sheets
FM 1-57 (now FMRC)	Loss Prevention Data Sheet on Rigid Foamed Polyurethane
FM 5.4 (now FMRC)	Loss Prevention Data Sheet on Transformers
FS 0-F-506C	Flux, Soldering, Paste and Liquid
FS DD-G-1403B	Glass, Plate (float), Sheet, Figured, and Spandrel (Heat Strengthened and Fully Tempered)



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
FS DD-G-451D	Glass Sheet, Figured, (Float, Flat, for Glazing, Corrugated, Mirrors, and Other Uses)
FS FF-B-575C	Bolt, Hexagon and Square
FS FF-D-396H	Dispensers, Soap
FS FF-N-836D	Nut, Square, Hexagon, Cap, Slotted, Castellated, Clinch, Knurled and Welding
FS FF-S-107C	Screw, Tapping and Drive
FS MMM-A-110B(1)	Federal Specification Adhesive, Bonding Vulcanized Synthetic Rubber to Steel HAP-Free Replacement
FS SS-W-40A	Wallbase and Vinyl Plastic, Type I and II
FS TT E-489H	Enamel, Odorless, Alkyd, Gloss (for Exterior and Interior Surfaces)
FS TT-650D	Primer Coating, Latex Base, Interior, White (for Gypsum Wallboard or Plaster)
FS TT-C-535B	Coating Epoxy, Interior Undercoat, Two Component, for interior use on Metal, Wood, Wallboard, Painted Surfaces, Concrete and Masonry
FS TT-E-506K	Enamel, Alkyd, Gloss, Tints, and White (for Interior Use)
FS TT-E-508C	Enamel, Interior, Semigloss, Tints, and White
FS TT-E-509C	Enamel, Odorless, Alkyd Interior, Semigloss, White and Tints
FS TT-E-545D	Enamel, Odorless, Alkyd, Interior Undercoat, Flat, Tints, and White
FS TT-F-1098D	Filler, Block, Solvent Thinned, for Porous Surfaces (Concrete Block, Cinder Block, Stucco, Etc.)
FS TT-P-1511A	Paint, Latex-Base, Gloss and Semigloss, Tints and White (for Interior use)
FS TT-P-96D	Paint Latex Base For Exterior Surfaces (White and Tints)
FS TT-S-001543A	Sealing Compound: Silicone Rubber Base (for caulking, sealing, and Glazing Inbuilding and Other Structures)



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
FS TT-S-00227E	Sealing Compound: Elastomeric Type, Multi-Component (for Caulking, Sealing and Glazing Inbuilding and Other Structures)
FS WW-P 541B	Plumbing Fixtures
FS-L-F-475A(2)	Floor Covering Vinyl, Surface (Tile and Roll), with Backing
FSS TT-P-29K	Paint, Latex
GA 201	Using Gypsum Board for Walls and Ceilings
HI Hydraulic Institute	Standard for Centrifugal, Rotary and Reciprocating Pumps
HLD-1	Performance Evaluation Procedure for Household Tumble Type Clothes Dryers
HLD-2EC	Test Method for Measuring Energy Consumption of Household Tumble Type Clothes Dryers
HLW-1	Household Washer Performance Evaluation Procedure
HLW-2EC	Test Method for Measuring Energy Consumption of Household Clothes Washers
HRF-2 ECFT	Test Procedures to Determine the Temperature and Energy Consumption of Household Refrigerators, Combination Refrigerator-Freezers, and Freezers
HU-1	Appliance Humidifier Standard
IAEA	Criticality Control of Fissile Materials
IAEA	Dangerous Goods Regulations
IAEA 116	Design of Spent Fuel Storage Facilities
IAEA 207	Notification to the Agency (IAEA) of Exports and Imports of Nuclear Material
IAEA 30	Manual on the Safety Aspects of the Design and Equipment of Hot Laboratories
IAEA 31	Safe Operation of Nuclear Power Plants



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
IAEA 35	Safe Operation of Critical Assemblies and Research Reactors, Series
IAEA 35.S1	Code on the Safety of Nuclear Research Reactors
IAEA 50-SG-QA10	Safety Guide—Assessment
IAEA 50-SG-S3	Atmospheric Dispersion in Nuclear Power Plant Siting
IAEA 6	Regulations for the Safe Transportation of Radioactive Material
IAEA 75-INSAG-3	Basic Safety Principles for Nuclear Power Plants
IAEA Agreement	Agreement Between the United States and the IAEA for the Application of Safeguards in the United States, and Additional Protocol
IAEA INFCIRC/140	Treaty on the Non-Proliferation of Nuclear Weapons, 4-22-70
IAEA INFCIRC/153 Corrected	The Structure and Content of Agreements Between the Agency and States Required in Connection with the Treaty on the Non-Proliferation of Nuclear Weapons, June 1997
IAEA INFCIRC/207	Notification to the Agency (IAEA) of Exports and Imports of Nuclear Material, 7-26-74, and amendment letter, 9-15-82
IAEA INFCIRC/225/Rev 4 Corrected	The Physical Protection of Nuclear Material and Nuclear Facilities, June 1999
IAEA INFCIRC/274/Rev 1/Add 8	Convention on the Physical Protection of Nuclear Material, 11-15-02
IAEA INFCIRC/288	IAEA Information Circular 288
IAEA NMMSS D-207	U.S. Importer and Exporter and Foreign Facility IAEA Material Balance Area Codes and IAEA Country Codes
IAEA Safety Series 50-P-1	Application of Single Failure Criterion: Safety Practice
IAEA Safety Series No. 81	Derived Intervention Levels for Application in Controlling Radiation Doses to the Public in the Event of a Nuclear Accident or Radiological Emergency
IAEA Safety Series No. 86	Techniques and Decision Making in the Assessment of Off-Site Consequences of an Accident in a Nuclear Facility
IAEA Safety Series No. 87	Emergency Response Planning and Preparedness for Transport Accidents Involving Radioactive Material



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
IAEA TECDOC-919	Management of Procurement Activities in a Nuclear Installation
IAPMO	Uniform Plumbing Code
IATA	International Air Transport Association Safety Requirements
IATA	Restricted Articles Regulation (International Air Transportation Association)
IATA	Dangerous Goods Regulations, 50th edition, 2009-2010
ICAO	International Civil Aviation Technical Instructions
ICBO	International Mechanical Code
ICBO 17-6	Method of Test for the Evaluation of Flammability Characteristics of Exterior, Nonload-Bearing Wall Panel Assemblies Using Foam Plastic Insulation
ICBO 4071	Suspended Ceilings
ICBO 47-18	Metal Suspension Systems for Acoustical Tile and for Lay-in Panel Ceilings
ICBO UBC	Uniform Building Code
ICC (International Code Council)	International Building Code (IBC)
ICC IFC	International Fire Code (IFC)
ICC/ANSI A 117.1	Specifications for Making Buildings and Facilities Accessible to, and Usable by, Physically Handicapped People
ICI Publication 13.2	Method of Measuring and Specifying Color Rendering Properties of Light Sources corrected 1993
ICRP	Radiation Protection Standards Report
ICRP	Report of the Task Group on Reference Man
ICRP 22	Implications of Commission Recommendations that Doses be Kept as Low as Readily Achievable



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ICRP 23	Reference Man Anatomical Physiological and Metabolic Characteristics
ICRP 25	The Handling, Storage, Use and Disposal of Unsealed Radionuclides in Hospitals and Medical Research Facilities
ICRP 26	Recommendations of the International Commission on Radiological Protection
ICRP 30	Limits for Intakes of Radionuclides by Workers
ICRP 32	Limits for Inhalation of Radon Daughters by Workers
ICRP 37	Cost-Benefit Analysis in the Optimization of Radiation Protection
ICRP 40	Protection of the Public in the Event of Major Radiation Accidents: Principles for Planning
ICRP 45	Quantitative Basis for Developing a Unified Index of Harm
ICRP 48	The Metabolism of Plutonium and Related Elements
ICRP 54	Individual Monitoring for Intakes of Radionuclides by Workers: Design and Interpretation
ICRP 55	Optimization and Decision-Making in Radiological Protection
ICRP 60	1990 Recommendations of the International Commission of Radiological Protection
ICRP 66	Human Respiratory Tract Model of Radiological Protection
ICRP 68	Dose Coefficients for Radionuclide Intakes By Workers
ICRP 72	Age-Dependent Doses to Members of the Public from Intakes of Radionuclides, Part 5, Compilation of Ingestion and Inhalation Coefficients
ICRP 74	Conversion Coefficients for Use in Radiological Protection Against External Radiation
ICRP 75	General Principles for the Radiation Protection of Workers
ICRP 78	Individual Monitoring for Internal Exposure of Workers - Replacement of ICRP Publication 54



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ICRP 88	Doses to the Embryo and Fetus from Intakes of Radionuclides by the Mother
ICRU 14	Radiation Dosimetry
ICRU 20	Radiation Protection Instrumentation and Its Application
ICRU 33	Radiation Quantities and Units
ICRU 43	Determination of Dose Equivalents from External Radiation Sources—Part 2
IEC 964	Design for Control Rooms of Nuclear Power Plants
IEC Std. 60034-1	Rotating Electrical Machines (Part 1, Section 3, Clause 3.2.1 and Figure 1) with amendment 1
IEC Std. 60050-411	International Electrotechnical Vocabulary (Chapter 411, Sections 411-33-07 and 411-37-26)
IEC Std. 60072-1	Dimensions and Output Series for Rotating Electrical Machines (Part 1, Frame Numbers 56 to 400 and Flange Numbers 55 to 1080, Clauses 2, 3, 4.1, 6.1, 7, and 10 and Tables 1, 2, and 4)
IEC Std. 705	Methods for Measuring the Performance of Microwave Ovens for Household and Similar Purposes, Section 4, Paragraph 13, Electrical Power Input Measurement and Paragraph 14, Efficiency
IEEE 1015	Recommended Practice for Applying Low-Voltage Circuit Breakers Used in Industrial and Commercial Power Systems-IEEE Blue Book
IEEE 1016-1987	IEEE Recommended Practice for Software Design Descriptions
IEEE 1016.1-1993	IEEE Guide to Software Design Descriptions
IEEE 1023	Guide for the Application of Human Factors Engineering to Systems, Equipment, and Facilities of Nuclear Power Generating Stations
IEEE 1046	Application Guide for Distributed Digital Control and Monitoring for Power Plants
IEEE 1050	Guide for Instrumentation and Control Equipment Grounding in Generating Stations
IEEE 1058	IEEE Standard for Software Project Management Plans
IEEE 1063-1987	IEEE Standard for Software User Documentation



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
IEEE 1074-1991	IEEE Standard for Developing Software Life Cycle Processes
IEEE 1100	Recommended Practice for Powering and Grounding Electronic Equipment-IEEE Emerald Book
IEEE 1219-1992	IEEE Standard for Software Maintenance
IEEE 141	Recommended Practice for Electric Power Distribution for Industrial Plants
IEEE 142	Recommended Practice for Grounding of Industrial and Commercial Power Systems
IEEE 200	Reference Designators
IEEE 242	Recommended Practice for Protection and Coordination of Industrial and Commercial Power Systems
IEEE 268	Standard Metric Practice
IEEE 279	Criteria for Protection Systems for Nuclear Power Generating Stations (replaced by IEEE 603) (Inactive)
IEEE 308	Standard Criteria for Class IE Power Systems for Nuclear Power Generating Stations
IEEE 315	Graphic Symbols for Electrical and Electronics Diagrams
IEEE 317	Standard for Electrical Penetration Assemblies in Containment Structures for Nuclear Power Generating Stations
IEEE 323	Standard for Qualifying Class IE Equipment for Nuclear Power Generating Stations
IEEE 336	Standard Installation, Inspection, and Testing Requirements for Power, Instrumentation and Control Equipment at Nuclear Facilities
IEEE 338	Standard Criteria for the Periodic Surveillance Testing of Nuclear Power Generating Station Safety Systems
IEEE 344	Recommended Practices for Seismic Qualification of Class IE Equipment for Nuclear Power Generating Stations
IEEE 352	Guide for General Principles of Reliability Analysis of Nuclear Power Generating Station Protection Systems
IEEE 379	Standard Application of the Single-Failure Criterion to Nuclear Power Generating Station Safety Systems



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
IEEE 382	Standard for Qualification of Actuators for Power Operated Valve Assemblies with Safety Related Functions for Nuclear Power Plants
IEEE 384	Standard Criteria for Independence of Class IE Equipment and Circuits
IEEE 399	Recommended Practice for Industrial and Commercial Power System Analysis
IEEE 446	Recommended Practice for Emergency and Standby Power for Industrial and Commercial Applications
IEEE 450	Recommended Practice for Maintenance, Testing, and Replacement of Large Lead Storage Batteries for Generating Stations and Substations
IEEE 484	Recommended Practice for Installation Design and Installation of Vented Lead-Acid Batteries for Stationary Applications
IEEE 485	Recommended Practice for Sizing Lead-Acid Batteries for Stationary Applications
IEEE 493	Recommended Practice for the Design of Reliable Industrial and Commercial Power Systems
IEEE 498	Standard Requirements for the Calibration and Control of Measuring and Test Equipment Used in Nuclear Facilities
IEEE 500	IEEE Guide to the Collection and Presentation of Electrical, Electronic, Sensing Component, and Mechanical Equipment Reliability Data for Nuclear Power Generating Stations
IEEE 567	Trial Use Standard Criteria for the Design of The Control Room Complex
IEEE 576	Recommended Practice for Installation, Termination, and Testing of Insulated Power Cable as Used in Industrial and Commercial Applications
IEEE 602	Recommended Practice for Electrical Systems in Health Care Facilities
IEEE 603	Standard Criteria for Safety Systems for Nuclear Power Generating Stations
IEEE 610.12-1990	IEEE Standard Glossary of Software Engineering Terminology
IEEE 730	Standard for Software Quality Assurance Plan
IEEE 739	Recommended Practice for Energy Conservation and Cost-Effective Planning in Industrial Facilities
IEEE 80	Guide for Safety in AC Substation Grounding



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
IEEE 828	Standard for Software Configuration Management Plans
IEEE 829	Standard for Software Test Documentation
IEEE 837	Qualifying Permanent Connections Used In Substation Grounding
IEEE 845	Guide for the Evaluation of Human-System Performance in Nuclear Power Generating Stations
IEEE C 37	Circuit Breakers, Switchgear, Relays, Substations and Fuses—Series
IEEE C 37.91	Guide for Protective Relay Applications to Power Transformers
IEEE C57 (Series)	Standard General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers
IEEE C62 (Series)	Standards for Surge Arresters for AC Power
IEEE N42.20	American National Standard Performance Criteria for Active Personnel Radiation Monitors
IEEE SI-10	Standard for Use of the International System of Units (SI): The Modern Metric System
IEEE Std. 112	Test Procedure for Polyphase Induction Motors and Generators, Test Method B, with corrections to item 28 in section 10.2, Form B
IEEE Y32.9	Graphic Symbols for Electrical and Wiring Diagrams Used in Architecture and Building Construction
IEEE-100	The IEEE Standard Dictionary of Electrical and Electronics Terms, Sixth Edition
IES Handbook	Reference and Application, 8th Edition, Chapter 6, Light Sources
IES-LM-16	IES Practical Guide to Colorimetry of Light Sources
IES-LM-20	IES Approved Method for Photometric Measuring and Reporting Test on Reflector Type Lamps
IES-LM-45	IES Approved Method for Electrical and Photometric Measurements of General Service Incandescent Filament Lamps
IES-LM-58	IES Guide to Spectroradiometric Measurements



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
IES-LM-66	IES Approved Method for the Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps
IES-LM-9	Approved Method for the Electrical and Photometric Measurements of Fluorescent Lamps
IESNA RP8	Roadway Lighting, Practice for
IPC-A-600	Printed Wiring Boards (Fabrication)
IPC-D-275	Circuit Card Assemblies
ISA	Standards and Practices for Instrumentation (published by the Instrumentation, Systems, and Automation Society)
ISA 5.1	Instrumentation Symbols and Identification
ISA 5.2	Binary Logic Diagrams for Process Operations
ISA 5.3	Graphic Symbols for Distributed Control/Shared Display Instrumentation, Logic and Computer Systems
ISA 67.04	Setpoints for Nuclear Safety-Related Instrumentation
ISA 84.00.01	Functional Safety: Safety Instrumented Systems for the Process Industry Sector
ISA S5.1	Instrumentation Symbols and Identification
ISA S5.3	Graphic Symbols for Distributed and Control/Shared Display Instrumentation, Logic, and Computer Systems
ISA S5.4	Instrument Loop Diagrams
ISA S5.5	Graphic Symbols for Process Displays
ISDSI 102	Installation Standard for Insulated Steel Door Systems
ISO 10149	(High Sierra Standard): Yellow Book, CD-ROM, Read Only Memory and CD-ROM XA, Extended Architecture
ISO 12083	Electronic Manuscript Preparation and Markup



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ISO 13528:2005-09-01	Statistical Methods for use in proficiency testing by inter laboratory comparisons
ISO 14001.1	Environmental Management Systems—Specification with Guidance for Use
ISO 14004	Environmental Management Systems General Guidelines on Principles, Systems, and Supporting Techniques
ISO 14010.1	Guidelines for Environmental Auditing—General Principles
ISO 14011/1.2	Guidelines for Environmental Auditing—Audit Procedures—Part 1: Auditing of Environmental Management Systems
ISO 14012.1	Guidelines for Environmental Auditing—Qualification Criteria for Environmental Auditors
ISO 1677	Sealed Radioactive Sources: General
ISO 18911:2000(E)	Imaging materials - Processed safety photographic films - storage practices
ISO 4037	X and Gamma Reference Radiation for Calibrating Dosimeters and Dose Ratemeters and for Determining Their Response as a Function of Photon Energy
ISO 4341	Magnetic Tape Cassette and Cartridge Labeling and File Structure for Information Exchange
ISO 4826	Sealed Radioactive Sources: Leak Test Methods
ISO 646	Seven-Bit Coded Character Set for Information Exchange
ISO 6980	Reference Data Radiations for Calibrating Dosimeters and Dose Ratemeters and for Determining Their Responses as a Function of Beta Radiation Energy
ISO 7503-1	Evaluation of Surface Contamination—Part 1: Beta-Emitters (Maximum Beta Energy Greater Than 0.15 MeV) and Alpha-Emitters
ISO 7503-2	Evaluation of Surface Contamination—Part 2: Tritium Surface Contamination
ISO 8194	Radiation Protection Clothing for Protection Against Radioactive Contamination Design, Selection, Testing and Use
ISO 8529	Neutron Reference Radiations for Calibrating Neutron-Measuring Devices Used for Radiation Protection Purposes and for Determining Their Response as a Function of Neutron Energy
ISO 8632	Computer Graphics—Metafile for the Storage and Transfer of Picture Description Information



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ISO 8769	Reference Sources for the Calibration of Surface Contamination Monitors— Beta-Emitters (Maximum Beta Energy Greater Than 0.15 MeV) and Alpha Emitters
ISO 8824	Information Technology—Open Systems Interconnection—Specification of Abstract Syntax Notation One (ASN.1)
ISO 8825	Information Technology—Open Systems Interconnection—Specification of Basic Encoding Rules for Abstract Syntax Notation One (ASN.1)
ISO 8879	Information Processing—Text and Office Systems—Standard Generalized Markup Language (SGML)
ISO 9000	Quality Management and Quality Assurance Standards—Guidelines for Selection and Use
ISO 9001	Quality Systems—Model for Quality Assurance in Design/Development, Production, Installation, and Servicing
ISO 9002	Quality Systems—Model for Quality Assurance in Production and Installation
ISO 9003	Quality Systems—Model for Quality Assurance in Final Inspection and Test
ISO 9004	Quality Management and Quality Systems Elements—Guidelines
ISO 9069	Document Interchange Format (SDIF)
ISO 9070	Registration Procedures for SGML Public Text Owner Identifiers
ISO 9660	(High Sierra Standard): Red Book CD-DA, Digital Audio; Green Book, CD-1, Interactive
ISO GUIDE 43-1	Proficiency testing by interlaboratory comparisons -- Part 1: Development and operation of proficiency testing schemes
ISO GUIDE 43-2	Proficiency testing by interlaboratory comparisons -- Part 2: Selection and use of proficiency testing schemes by laboratory accreditation bodies
ISO TR 9573	Techniques for Using SGML
ISO-9001:2007	Quality Systems-Model for Quality Assessment in Design/Development, Production, Installation and Servicing
ISO/FDIS 2919	Radiation Protection Sealed Radioactive Sources General Requirements and Classification
ISO/IEC 10036	Procedure for Registration of Glyph and Glyph-Collection Identifiers



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
ISO/IEC 10744	Information Technology—Hypermedia/Time-Based Structuring Language (HyTime)
ISO/IEC 15408	Security techniques -- Evaluation criteria for IT security -- Part 1: Introduction and general model
ISO/IEC 17025:2005	General Requirements for the Competence of Calibration and Testing Laboratories
ISO/IEC 9541	Font Information Interchange, Parts 1 and 2, Architecture and Interchange Format
ITE & NSC	Traffic Engineer's Handbook
LEED	U.S. Green Building Council's Rating System for Leadership in Environmental Design (LEED)
LPI 175	Standard of Practice for the Design, Installation, Inspection of Lightning Protection Systems
LPI 177	Inspection Guide for LPI Certified Systems
MBMA	Metal Building Systems Manual
MCA (now CMA)	Chemical Safety Data Sheets
MCA (now CMA)	Manual Sheets
MLSFA	Steel Framing Systems Manual
NAAMM	Metal Finishes Manual
NACE 6A192	Dehumidification and Temperature Control During Surface Preparation, Application, and Curing for Coatings/Linings of Steel Tanks, Vessels, and Other Enclosed Areas
NACE 6G198	Wet Abrasive Blast Cleaning
NACE 80200	Preparation of Protective Coating Specifications for Atmospheric Service
NACE BOS VOL 1	NACE International BOOK OF STANDARDS Volume 1
NACE BOS VOL 2	NACE International BOOK OF STANDARDS Volume 2



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NACE RPO 169-92	National Association of Corrosion Engineers - Control of External Corrosion on Underground or Submerged Piping Systems
NAPHCC	National Standard Plumbing Code
Nat. Comm. For Cert. Crane Operators	National Commission for the Certification of Crane Operators, Candidate Handbook - Physician Instructions for Medical Examination
NBHA	General Standards for Builders Hardware
NCMA	Waterproof Coatings for Concrete Masonry
NCMA	Waterproofing Concrete Masonry Basements and Earth Sheltered Structures
NCMA TR 75B	Specifications for the Design and Construction of Load-Bearing Concrete Masonry
NCRP 102	Medical X-Ray, Electron Beam and Gamma-Ray Protection for Energies Up to 50 MeV (Equipment Design, Performance and Use)
NCRP 106	Limit for Exposure to "Hot Particles" on the Skin
NCRP 116	Limitation of Exposure to Ionizing Radiation
NCRP 30	Safe Handling of Radioactive Materials
NCRP 38	Protection Against Neutron Radiation
NCRP 40	Protection Against Radiation from Brachytherapy Sources
NCRP 49	Structural Shielding Design and Evaluation for Medical Use of X Rays and Gamma Rays of Energies Up to 10 MeV
NCRP 51	Radiation Protection Design Guidelines for 0.1-100 MeV Particle Accelerator Facilities
NCRP 53	Review of NCRP Dose Limit for Embryo and Fetus in Occupationally Exposed Women
NCRP 57	Instrumentation and Monitoring Methods for Radiation Protection
NCRP 59	Operational Radiation Safety Program



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NCRP 61	Radiation Safety Training Criteria for Industrial Radiography
NCRP 65	Management of Persons Accidentally Contaminated with Radionuclides
NCRP 71	Operational Radiation Safety Training
NCRP 72	Radiation Protection and Measurement for Low-Voltage Neutron Generators
NCRP 84	General Concepts for the Dosimetry of Internally Deposited Radionuclides
NCRP 87	Use of Bioassay Procedures for Assessment of Internal Radionuclide Deposition
NCRP 88	Radiation Alarms and Access Control Systems
NCRP 91	Recommendations on Limits for Exposure to Ionizing Radiation
NCSL RP-1	Recommended Practice RP-1, Establishment and Adjustment of Calibration Intervals
NEMA 250	Enclosures for Electrical Equipment
NEMA C84.1	Electric Power Systems and Equipment - Voltage Ratings (60 Hertz)
NEMA DC 3	No title stated
NEMA ICS	Industrial Controls and Systems
NEMA LD 3	High-Pressure Decorative Laminates
NEMA MG-1	Motors and Generators
NEMA MG1	Motors and Generators, Revision 1
NEMA MG10	Energy Management Guide for Selection and Use of Polyphase Motors
NEMA MG11	Energy Management Guide for Selection and Use of Single-Phase Motors



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA	Automatic Sprinkler Systems Handbook
NFPA	Flammable and Combustible Liquids Code Handbook
NFPA	Handbook of Fire Protection
NFPA	Hazard Classification Systems (Inactive)
NFPA	Hazardous Materials Response Handbook
NFPA	Health Care Facilities Handbook
NFPA	Life Safety Code Handbook
NFPA	Liquefied Petroleum Gases Handbook
NFPA	National Fuel Gas Code Handbook
NFPA	NEC Handbook
NFPA	NFPA 1500 Handbook
NFPA	NFPA Handbook
NFPA 1	Fire Prevention Code
NFPA 1	Uniform Fire Prevention Code
NFPA 10	Standard for Portable Fire Extinguishers
NFPA 1000	Standard for Fire Service Professional Qualifications Accreditation and Certification Systems
NFPA 1000	Standard for Fire Service Professional Qualifications Accreditation and Certification Systems 2006
NFPA 1001	Standard for Fire Fighter Professional Qualifications



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 1002	Standard for Fire Apparatus Driver/Operator Professional Qualifications
NFPA 1003	Standard for Airport Fire Fighter Professional Qualifications
NFPA 1006	Standard for Rescue Technician Professional Qualifications
NFPA 1006	Standard for Rescue Technician Professional Qualifications 2008
NFPA 101	Life Safety Code
NFPA 101	Code for Safety to Life from Fire in Buildings and Structures
NFPA 101A	Alternative Approaches to Life Safety
NFPA 101M	Manual on Alternative Approaches to Life Safety
NFPA 102	Standard for Assembly Seating, Tents, and Membrane Structures
NFPA 1021	Standard for Fire Officer Professional Qualifications
NFPA 1031	Standard for Professional Qualifications for Fire Inspector
NFPA 1033	Standard for Professional Qualifications for Fire Investigator
NFPA 1035	Standard for Professional Qualifications for Public Fire Educator
NFPA 1037	Standard for Professional Qualifications for Fire Marshall 2007
NFPA 1041	Standard for Fire Service Instructor Professional Qualifications
NFPA 105	Recommended Practice for the Installation of Smoke-Control Door Assemblies
NFPA 1051	Standard for Wildland Fire Fighter Professional Qualifications
NFPA 1051	Standard for Wildland Fire Fighter Professional Qualifications 2007



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 1061	Standard for Professional Qualifications for Public Safety Telecommunicator 2007
NFPA 1071	Standard for Emergency Vehicle Technician Professional Qualifications
NFPA 1071	Standard for Emergency Vehicle Technician Professional Qualifications 2006
NFPA 1081	Standard for Industrial Fire Brigade Member Professional Qualifications 2007
NFPA 10L	Model Enabling Act for the Sale or Leasing and Servicing of Portable Fire Extinguishers
NFPA 10R	Recommended Practice for Portable Fire Extinguishing Equipment in Family Dwellings and Living Units
NFPA 11	Standard for Low Expansion Foam and Combined Agent Systems
NFPA 110	Standard for Emergency and Standby Power Systems
NFPA 111	Stored Energy Emergency and Standby Power Systems
NFPA 1122	Code for Unmanned Rockets
NFPA 1123	Code for the Outdoor Display of Fireworks
NFPA 1124	Code for the Manufacture, Transportation, and Storage of Fireworks
NFPA 1125	Code for the Manufacture of Model Rocket Motors
NFPA 1126	Standard for the Use of Pyrotechnics Before a Proximate Audience
NFPA 1141	Standard for Fire Protection in Planned Building Groups
NFPA 1142	Standard on Water Supplies for Suburban and Rural Fire Fighting
NFPA 1143	Standard for Wildland Fire Management
NFPA 1143	Standard for Wildland Fire Management 2009



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 1144	Standard for Protection of Life and Property from Wildfire
NFPA 115	Standard for Laser Fire Protection
NFPA 1150	Standard on Foam Chemicals for Fires in Class A Fuels 2004
NFPA 1192	Standard on Recreational Vehicles
NFPA 1194	Standard for Recreational Vehicle Parks and Campgrounds
NFPA 11A	Standard for Medium- and High-Expansion Foam Systems
NFPA 11C	Standard for Mobile Foam Apparatus
NFPA 12	Standard on Carbon Dioxide Extinguishing Systems
NFPA 120	Standard for Coal Preparation Plants
NFPA 1201	Recommendations for Developing Fire Protection Services for the Public
NFPA 121	Standard on Fire Protection for Self Propelled and Mobile Surface Mining Equipment
NFPA 122	Standard for the Storage of Flammable and Combustible Liquids Within Underground Metal and Nonmetal Mines
NFPA 1221	Standard for the Installation, Maintenance, and Use of Public Fire Service Communication Systems
NFPA 123	Standard for Fire Prevention and Control in Underground Bituminous Coal Mines
NFPA 1231	Standard on Water Supplies for Suburban and Rural Fire Fighting
NFPA 124	Standard for Fire Protection of Diesel Fuel and Diesel Equipment in Underground Mines
NFPA 1250	Recommended Practice in Emergency Service Organization Risk Management
NFPA 12A	Standard on Halon 1301 Fire Extinguishing Systems



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 12B	Standard on Halon 1211 Fire Extinguishing Systems
NFPA 13	Standard for the Installation of Sprinkler Systems
NFPA 130	Standard for Fixed Guideway Transit Systems
NFPA 13A	Recommended Practice for the Inspection, Testing, and Maintenance of Sprinkler Systems
NFPA 13D	Standard for the Installation of Sprinkler Systems in One- and Two- Family Dwellings and Mobile Homes
NFPA 13E	Recommendations for Fire Department Operations in Properties Protected by Sprinkler and Standpipe Systems
NFPA 13R	Standard for the Installation of Sprinkler Systems in Residential Occupancies Up To and Including Four Stories in Height
NFPA 14	Standard for the Installation of Standpipe and Hose Systems
NFPA 140	Standard on Motion Picture and Television Production Studio Soundstages and Approved Production Facilities 2008
NFPA 1401	Recommended Practice for Training Reports and Records
NFPA 1402	Guide to Building Fire Service Training Centers
NFPA 1403	Standard on Live Fire Evolutions in Structures
NFPA 1404	Standard for a Fire Department Self-Contained Breathing Apparatus Program
NFPA 1405	Guide to Land-Based Fire Fighters Who Respond to Marine Vessel Fires
NFPA 1406	Standard for Outside Live Fire Training Evolutions
NFPA 1410	Training Standard on Initial Fire Attack
NFPA 1451	Standard for a Fire Service Vehicle Operations Training Program
NFPA 1451	Standard for a Fire Service Vehicle Operations Training Program 2007



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 1452	Guide for Training Fire Department Personnel to Make Dwellings Fire Safety Surveys
NFPA 14A	Recommended Practice for the Inspection, Testing, and Maintenance of Standpipe and Hose Systems
NFPA 15	Standard for Water Spray Fixed Systems for Fire Protection
NFPA 1500	Standard on Fire Department Occupational Safety and Health Program
NFPA 1521	Standard for Fire Department Safety Officer
NFPA 1561	Standard on Fire Department Incident Management Systems
NFPA 1581	Standard on Fire Department Infection Control Program
NFPA 1582	Standard on Medical Requirements for Fire Fighters
NFPA 1583	Standard on Health-Related Fitness Programs for Fire Fighters 2008
NFPA 1584	Recommended Practice on the Rehabilitation of Members Operating at Incident Scene Operations and Training Exercises
NFPA 16	Standard on Deluge Foam Water Sprinkler and Foam Water Spray Systems
NFPA 160	Standard for the Use of Flame Effects Before an Audience 2006
NFPA 160	Standard on Flame Affects before a Live Audience
NFPA 1600	Disaster/Emergency Management and Business Continuity
NFPA 1620	Recommended Practice for Pre-Incident Planning
NFPA 1670	Standard on Operations and Training for Technical Search and Rescue Incidents 2004
NFPA 16A	Recommended Practice for the Installation of Closed-Head Foam-Water Sprinkler Systems
NFPA 17	Standard for Dry Chemical Extinguishing Systems



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 17	Standard for Dry Chemical Extinguishing Systems
NFPA 170	Standard for Fire Safety Symbols
NFPA 1710	Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Career Fire Departments
NFPA 17A	Standard for Wet Chemical Extinguishing Systems
NFPA 17A	Standard on Wet Chemical Extinguishing Systems
NFPA 18	Standard on Wetting Agents
NFPA 1851	Standard on Selection, Care, and Maintenance of Structural Fire Fighting Protective Ensembles
NFPA 1851	Standard on Selection, Care, and Maintenance of Structural Fire Fighting Protective Ensembles 2008
NFPA 1852	Selection, Care, and Maintenance of Open-Circuit Self Contained Breathing Apparatus (SCBA)
NFPA 18A	Standard on Water Additives for Fire Control and Vapor Mitigation
NFPA 1901	Standard for Pumper Fire Apparatus
NFPA 1902	Standard for Initial Fire Attack Apparatus
NFPA 1903	Standard for Mobile Water Supply Fire Apparatus
NFPA 1904	Standard for Aerial Ladder and Elevating Platform Fire Apparatus
NFPA 1906	Standard for Wildland Fire Apparatus
NFPA 1906	Standard for Wildland Fire Apparatus 2006
NFPA 1911	Standard for Service Tests of Pumps on Fire Department Apparatus
NFPA 1912	Standard for Fire Apparatus Refurbishing 2006



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 1914	Standard for Testing Fire Department Aerial Devices
NFPA 1915	Standard for Fire Apparatus Preventive Maintenance Program
NFPA 1921	Standard for Fire Department Portable Pumping Units
NFPA 1931	Standard on Design of and Design Verification Tests for Fire Department Ground Ladders
NFPA 1932	Standard on Use, Maintenance, and Service Testing of Fire Department Ground Ladders
NFPA 1936	Standard on Powered Rescue Tools
NFPA 1936	Standard on Powered Rescue Tools 2005
NFPA 1951	Standard on Protective Ensemble for USAR Operations
NFPA 1951	Standard on Protective Ensemble for USAR Operations 2007
NFPA 1961	Standard on Fire Hose
NFPA 1962	Standard for the Care, Use, and Service Testing of Fire Hose Including Couplings and Nozzles
NFPA 1963	Standard for Screw Threads and Gaskets for Fire Hose Connections
NFPA 1964	Standard for Spray Nozzles (Shut Off and Tip)
NFPA 1965	Standard for Fire Hose Appliances
NFPA 1965	Standard for Fire Hose Appliances 2003
NFPA 1971	Standard on Protective Clothing for Structural Fire Fighting
NFPA 1972	Standard on Helmets for Structural Fire Fighting
NFPA 1973	Standard on Gloves for Structural Fire Fighting



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 1974	Standard for Protective Footwear for Structural Fire Fighting
NFPA 1975	Standard on Station/Work Uniforms for Fire Fighters
NFPA 1976	Standard on Protective Clothing for Proximity Fire Fighting
NFPA 1977	Standard on Protective Clothing and Equipment for Wildland Fire Fighting
NFPA 1977	Standard on Protective Clothing and Equipment for Wildland Fire Fighting 2005
NFPA 1981	Standard on Open-Circuit Self Contained Breathing Apparatus for Fire Fighters
NFPA 1982	Standard on Personal Alert Safety Systems (PASS) for Fire Fighters
NFPA 1983	Standard on Fire Service Life Safety Rope, Harness, and Hardware
NFPA 1989	Standard on Breathing Air Quality for Emergency Services Respiratory Protection
NFPA 1991	Standard on Vapor Protective Suits for Hazardous Chemical Emergencies
NFPA 1992	Standard on Liquid Splash-Protective Suits for Hazardous Chemical Emergencies
NFPA 1993	Standard on Support Function Protective Garments for Hazardous Chemical Operations
NFPA 1994	Standard on Protective Ensembles for Chemical/Biological Terrorism Incidents
NFPA 1999	Standard on Protective Clothing for Emergency Medical Operations
NFPA 2	Hydrogen Technologies Code
NFPA 20	Standard for the Installation of Centrifugal Fire Pumps
NFPA 2001	Standard for Clean Agent Fire Extinguishing Systems
NFPA 2010	Standard for Fixed Aerosol Fire Extinguishing Systems 2006



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 203	Guideline on Roof Coverings and Roof Deck Construction
NFPA 204M	Guide for Smoke and Heat Venting
NFPA 211	Standard for Chimneys, Fireplaces and Vents
NFPA 211	Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances
NFPA 2112	Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire
NFPA 2112	Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire 2007
NFPA 2113	Standard on Selection, Care, Use, and Maintenance of Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire
NFPA 2113	Standard on Selection, Care, Use, and Maintenance of Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire 2007
NFPA 214	Standard on Water Cooling Towers
NFPA 22	Standard for Water Tanks for Private Fire Protection
NFPA 220	Standard on Types of Building Construction
NFPA 221	Standard for Fire Walls and Fire Barrier Walls
NFPA 225	Model Manufactured Home Installation Standard
NFPA 230	Standard for the Fire Protection of Storage
NFPA 231	Standard for General Storage
NFPA 231C	Standard for Rack Storage of Materials
NFPA 231D	Standard for Storage of Rubber Tires
NFPA 231F	Standard for Storage of Roll Paper



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 232	Standard for the Protection of Records
NFPA 232A	Guide for Fire Protection for Archives and Records Centers, 1995
NFPA 232AM	Manual for Fire Protection for Archives and Record Centers
NFPA 24	Standard for the Installation of Private Fire Service Mains and Their Appurtenances
NFPA 241	Standard for Safeguarding Construction, Alteration, and Demolition Operations
NFPA 25	Water-Based Extinguishing Systems
NFPA 25	Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems
NFPA 25	Standard for the Inspection, Testing, and Maintenance of Water-Based Protection Systems
NFPA 251	Standard Method of Fire Tests of Building Construction and Materials
NFPA 252	Standard Method of Fire Tests of Door Assemblies
NFPA 253	Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source
NFPA 255	Standard Method of Test of Surface Burning Characteristics of Building Materials
NFPA 256	Standard Method of Fire Test of Roof Coverings
NFPA 257	Standard for Fire Tests of Window Assemblies
NFPA 258	Standard Research Test Method for Determining Smoke Generation of Solid Materials
NFPA 259	Standard Test Method for Potential Heat of Building Materials
NFPA 26	Recommended Practice for the Supervision of Valves Controlling Water Supplies for Fire Protection
NFPA 260	Standard Method of Tests and Classification Systems for Cigarette Ignition Resistance of Components of Upholstered Furniture



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 261	Standard Method of Test for Determining Resistance of Mock-Up Upholstered Furniture Material to Ignition by Smoldering Cigarettes
NFPA 262	Standard Method of Test for Fire and Smoke Characteristics of Wires and Cables
NFPA 263	Standard Test for Heat and Visible Smoke Release Rates
NFPA 264	Standard Method of Test for Heat and Visible Smoke Release Rates for Materials and Products Using Oxygen Consumption Calorimeter
NFPA 264A	Standard Method of Test for Heat Release Rates of Upholstered Furniture Components or Composites and Mattresses Using an Oxygen Consumption Calorimeter
NFPA 291	Recommended Practices for Fire Flow Testing and Marking of Hydrants
NFPA 295	Standard for Wildfire Control
NFPA 297	Guide on Telecommunications Systems—Principles and Practices for Rural and Forestry Services
NFPA 298	Standard on Foam Chemicals for Wildland Fire Control
NFPA 299	Standard on Protection of Life and Property from Wildfire
NFPA 30	Flammable and Combustible Liquids Code
NFPA 30	Flammable and Combustible Liquids Code
NFPA 302	Fire Protection Standard for Pleasure and Commercial Motor Craft
NFPA 303	Fire Protection Standard for Marinas and Boatyards
NFPA 306	Standard for the Control of Gas Hazards on Vessels
NFPA 307	Standard for the Construction and Fire Protection of Marine Terminals, Piers, and Wharves
NFPA 30A	Automotive and Marine Service Station Code
NFPA 30B	Code for the Manufacture and Storage of Aerosol Products



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 31	Standard for the Installation of Oil Burning Equipment
NFPA 312	Standard for Fire Protection of Vessels During Construction, Repair and Layup
NFPA 318	Standard for the Protection of Cleanrooms
NFPA 32	Standard for Drycleaning Plants
NFPA 321	Standard on Basic Classification of Flammable and Combustible Liquids
NFPA 325M	Fire Hazard Properties of Flammable Liquids, Gases, and Volatile Solids
NFPA 326	Standard for the Safeguarding of Tanks and Containers for Entry, Cleaning, or Repair
NFPA 326	Standard for the Safeguards of Tanks and Containers for Entry, Cleaning or Repair 2005
NFPA 327	Standard Procedures for Cleaning or Safeguarding Small Tanks and Containers
NFPA 328	Recommended Practice for the Control of Flammable and Combustible Liquids and Gases in Manholes, Sewers, and Similar Underground Structures
NFPA 329	Recommended Practices for Handling Underground Releases of Flammable and Combustible Liquids
NFPA 33	Standard for Spray Application Using Flammable and Combustible Liquids
NFPA 34	Standard for Dipping and Coating Processes Using Flammable or Combustible Liquids 2007
NFPA 35	Standard for the Manufacture of Organic Coatings
NFPA 36	Standard for Solvent Extraction Plants
NFPA 37	Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines
NFPA 385	Standard for Tank Vehicles for Flammable and Combustible Liquids
NFPA 386	Standard for Portable Shipping Tanks for Flammable and Combustible Liquids



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 395	Standard for the Stoppage of Flammable and Combustible Liquids on Farms and Isolated Construction Projects
NFPA 40	Standard for the Storage and Handling of Cellulose Nitrate Motion Picture Film
NFPA 402M	Manual for Aircraft Rescue and Fire Fighting Operational Procedures
NFPA 403	Standard for Aircraft Rescue and Fire Fighting Operational Procedures
NFPA 403	Standard for Aircraft Rescue and Firefighting Service at Airports and Heliports
NFPA 407	Standard for Aircraft Fuel Servicing
NFPA 408	Standard for Aircraft Hand Fire Extinguishers
NFPA 409	Standard on Aircraft Hangers
NFPA 40E	Code for the Storage of Pyroxylin Plastic
NFPA 410	Standard on Aircraft Maintenance
NFPA 412	Standard for Aircraft Foam, Fire Fighting Vehicles, Test Procedures
NFPA 414	Standard for Aircraft Rescue, Fire Fighting Vehicles
NFPA 415	Standard on Aircraft Fueling Ramp Drainage
NFPA 416	Standard on Aircraft Terminal Buildings
NFPA 417	Standard on Aircraft Loading Walkways
NFPA 418	Standard for Heliports
NFPA 419	Guide for Master Planning Airport Water Supply Systems for Fire Protection
NFPA 422M	Manual for Aircraft Fire and Explosion Investigators



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 423	Standard for Construction and Protection of Aircraft Engine Test Facilities
NFPA 424M	Manual for Airport/Community Emergency Planning
NFPA 430	Liquid and Solid Oxidizers
NFPA 432	Code for the Storage of Organic Peroxide Formulations
NFPA 434	Code for the Storage of Pesticides
NFPA 434	Code for the Storage of Pesticides 2002
NFPA 43A	Code for the Storage of Liquid and Solid Oxidizing Materials
NFPA 43B	Code for the Storage of Organic Peroxide Formulation
NFPA 43C	Code for the Storage of Gaseous Oxidizing Materials
NFPA 43D	Code for Storage of Pesticides in Portable Containers
NFPA 45	Standard on Fire Protection for Laboratories Using Chemicals
NFPA 450	Guide for Emergency Medical Services and Systems
NFPA 46	Recommended Safe Practice for Storage of Forest Products
NFPA 471	Recommended Practice for Responding to Hazardous Material Incidents
NFPA 472	Standard for Professional Competence of Responders to Hazardous Materials Incidents
NFPA 473	Standard for Competence for EMS Operations at Hazardous Materials Incidents
NFPA 480	Guide for the Storage, Handling and Processing of Magnesium
NFPA 481	Standard for the Production, Processing, Handling and Storage of Titanium



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 482	Standard for the Production, Processing, Handling and Storage of Zirconium
NFPA 484	Standard for Combustible Metals
NFPA 485	Lithium Metal Storage, Handling, Fabrication, and Use of
NFPA 49	Hazardous Chemicals Data
NFPA 490	Code for the Storage of Ammonium Nitrate
NFPA 491M	Manual of Hazardous Chemical Reactions
NFPA 495	Explosives Materials Code
NFPA 496	Standard for Purged and Pressurized Enclosures for Electrical Equipment in Hazardous Locations
NFPA 497A	Recommended Practice for Classification of Class I Hazardous Locations for Electrical Installations in Chemical Process Areas
NFPA 497B	Recommended Practice for Classification of Class II Hazardous Locations for Electrical Installations in Chemical Process Areas
NFPA 497M	Manual for Classification of Gases, Vapors and Dusts for Electrical Equipment in Hazardous Locations
NFPA 498	Standard for Explosives Motor Vehicle Terminals
NFPA 499	Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas
NFPA 50	Standard for Bulk Oxygen Systems at Consumer Sites
NFPA 501A	Standard for Fire Safety Criteria for Manufactured Home Installations, Sites and Communities
NFPA 501C	Standard on Recreational Vehicles
NFPA 501D	Standard for Recreational Vehicle Parks and Campgrounds
NFPA 502	Recommended Practice for Fire Protection For Limited Access Highways, Tunnels, Bridges, Elevated Roadways and Air Right Structures



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 505	Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Maintenance, and Operation
NFPA 50A	Standard for Gaseous Hydrogen Systems at Consumer Sites
NFPA 50B	Standard for Liquefied Hydrogen Systems at Consumer Sites
NFPA 51	Standard for the Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes (National Fire Code, Vol. 2)
NFPA 512	Standard for Truck Fire Protection
NFPA 513	Standard for Motor Freight Terminals
NFPA 51A	Standard for Acetylene Cylinder Charging Plants
NFPA 51B	Standard for Fire Protection in Use of Cutting and Welding Processes
NFPA 51B	Standard for Fire Prevention During Welding, Cutting, and Other Hot Work
NFPA 52	Standard for Compressed Natural Gas Vehicular Fuel Systems
NFPA 520	Standard on Subterranean Spaces 2005
NFPA 53	Recommended practice on Materials, Equipment, and Systems Used in Oxygen Enriched Atmospheres
NFPA 53M	Manual on Fire Hazards in Oxygen-Enriched Atmospheres
NFPA 54	National Fuel Gas Code
NFPA 54	ANSI Z223.1-2002 National Fuel Gas Code
NFPA 55	Storage and Handling of Cylinder Gases
NFPA 550	Guide to the Fire Safety Concepts Tree
NFPA 560	Standard for the Storage, Handling, and Use of Ethylene Oxide for Sterilization and Fumigation



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 57	Liquefied Natural Gas (LNG) Vehicular Fuel Systems Code
NFPA 58	Standard for Storage and Handling of Liquefied Petroleum Gases
NFPA 59	Standard for the Storage and Handling of Liquefied Petroleum Gases at Utility Gas Plants
NFPA 59A	Standard for the Production, Storage, and Handling of Liquefied Natural Gas
NFPA 600	Standard on Industrial Fire Brigades
NFPA 601	Standard for Guard Services in Fire Loss Prevention
NFPA 61A	Standard for the Prevention of Fires and Dust Explosions in Facilities Manufacturing and Handling Starch
NFPA 61B	Standard for the Prevention of Fires and Dust Explosions in Grain Elevators Facilities Handling Bulk Raw Agricultural Commodities
NFPA 61C	Standard for the Prevention of Fires and Dust Explosions in Feed Mills
NFPA 65	Aluminum Processing and Finishing
NFPA 650	Standard for Pneumatic Conveying Systems for Handling Combustible Materials
NFPA 651	Standard for the Manufacture of Aluminum and Magnesium Powder
NFPA 654	Standard for the Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastic Industries
NFPA 655	Standard for Sulfur Fires and Explosions
NFPA 664	Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking
NFPA 68	Guide for the Venting of Deflagration
NFPA 69	Standard on Explosion Prevention
NFPA 70	National Electric Code (NEC)



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 701	Standard Methods of Fire Tests for Flame-Resistant Textiles and Films
NFPA 702	Flame Field Test for Flame Resistant Textiles and Films (replaced by NFPA 705)
NFPA 703	Standard for Fire Retardant Impregnated Wood and Fire Retardant Coatings for Building Materials
NFPA 704	Standard System for the Identification of the Fire Hazards of Materials
NFPA 705	Field Flame Test for Textiles and Films
NFPA 70A	Electrical Code for One and Two Family Dwellings
NFPA 70B	Recommended Practice for Electrical Equipment Maintenance
NFPA 70E	Standard for Electrical Safety in the Workplace
NFPA 71	Standard for the Installation, Maintenance and Use of Central Station Service Signaling Systems
NFPA 72	National Fire Alarm Code Handbook
NFPA 720	Standard for the Installation of Carbon Monoxide (CO) Warning Equipment in Dwelling Units
NFPA 720	Standard for the Installation of Carbon Monoxide (CO) Warning Equipment in Dwelling Units 2009
NFPA 72A	Installation, Maintenance and Use of Local Protective Signaling Systems (incorporated into NFPA 72)
NFPA 72B	Installation, Maintenance and Use of Auxiliary Protective Signaling Systems (incorporated into NFPA 72)
NFPA 72C	Installation, Maintenance and Use of Remote Station Signaling Systems (incorporated into NFPA 72)
NFPA 72D	Installation, Maintenance and Use of Proprietary Protective Signaling Systems (incorporated into NFPA 72)
NFPA 72E	Standard on Automatic Fire Detectors
NFPA 72F	Standard on Emergency Voice/Alarm Communication Systems



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 72G	Guide for the Installation, Maintenance, and Use of Notification Appliances for Protective Signaling Systems
NFPA 72H	Guide for Testing Procedures for Local, Auxiliary, Remote Station and Proprietary Notification Appliance for Protective Signaling Systems
NFPA 73	Electrical Inspection Code for Existing Dwellings
NFPA 74	Standard for the Installation, Maintenance, and Use of Household Fire Warning Equipment
NFPA 75	Standard for the Protection of Electronic Computer/Data Processing Equipment
NFPA 750	Standard for Water Mist Fire Protection Systems
NFPA 76	Standard for the Fire Protection of Telecommunications Facilities
NFPA 76	Standard for the Fire Protection of Telecommunications Facilities 2009
NFPA 77	Recommended Practice on Static Electricity
NFPA 780	Lightning Protection Code
NFPA 79	Electrical Standard for Industrial Machinery
NFPA 80	Standard for Fire Doors and Windows
NFPA 801	Recommended Fire Protection Practice for Facilities Handling Radioactive Materials
NFPA 801	Standard for Fire Protection for Facilities Handling Radioactive Material
NFPA 802	Recommended Fire Protection Practice for Nuclear Research Reactors
NFPA 803	Standard for Fire Protection for Light Water Nuclear Power Plants
NFPA 804	Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants 2006
NFPA 805	Performance3-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants 2006



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 80A	Recommended Practice for Protection from Exterior Exposure Fires
NFPA 82	Standard on Incinerators, Water and Linen Handling Systems and Equipment
NFPA 820	Recommended Practice for Fire Protection in Wastewater Treatment Plants
NFPA 85	Boiler and Combustion Systems Hazards
NFPA 850	Fire Protection for Recommended Practice for Fire Protection for Electric Generating Plants
NFPA 8501	Standard for Single Boiler Burner Operation
NFPA 8502	Prevention of Furnace Explosions/Implosions in Multiple Burner Boilers
NFPA 8503	Standard for Pulverized Fuel Systems
NFPA 8504	Standard on Atmospheric Fluidized Bed Boiler Operation
NFPA 8505	Recommended Safe Practice for Stoker Operations
NFPA 8506	Standard on Heat Recovery Steam Generator Systems
NFPA 851	Recommended Practice for Fire Protection for Hydroelectric Generating Plants
NFPA 853	Standard for the Installation of Stationary Fuel Cell Power Systems
NFPA 853	Standard for the Installation of Stationary Fuel Cell Power Systems 2007
NFPA 85A	Standard for Prevention of Furnace Explosions in Fuel Oil and Natural Gas Fired Single Burner Boiler Furnaces
NFPA 85B	Standard for Prevention of Furnace Explosions in Natural Gas Fired Multiple Burner Boiler Furnaces
NFPA 85C	Standard for the Prevention of Furnace Explosions in Fuel Oil Fired Multiple Burner Boiler Furnaces
NFPA 85E	Standard for Prevention of Furnace Explosions in Pulverized Coal Fired Multiple Burner Boiler Furnaces



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 85F	Standard for the Installation and Operation of Pulverized Fuel Systems
NFPA 85G	Standard for the Prevention of Furnace Implosions in Multiple Burner-Boiler Furnaces
NFPA 85H	Standard for Prevention of Combustion Hazards in Atmospheric Fluidized Bed Combustion Systems
NFPA 86	Standard for Ovens and Furnaces
NFPA 86C	Standard for Industrial Furnaces Using a Special Processing Atmosphere
NFPA 86D	Standard for Industrial Furnaces Using Vacuum as an Atmosphere
NFPA 88A	Standard for Parking Structures
NFPA 88B	Standard for Repair Garages
NFPA 901	Uniform Coding for Fire Protection
NFPA 902M	Fire Reporting Field Incident Manual
NFPA 903	Fire Reporting Property Survey Guide
NFPA 904	Incident Follow-up Report Guide
NFPA 906M	Guide for Fire Incident Field Notes
NFPA 907M	Manual for the Determination of Electrical Fire Causes
NFPA 909	Code for the Protection of Cultural Resource Properties - Museums, Libraries and Places of Worship
NFPA 909	Code for the Protection of Cultural Resources Properties - Museums, Libraries, and Places of Worship 2005
NFPA 90A	Installation of Air-Conditioning and Ventilation Systems
NFPA 90A	Standard for the Installation of Air Conditioning and Ventilation Systems



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NFPA 90B	Standard for the Installation of Warm Air Heating and Air Conditioning Systems
NFPA 91	Standard for Exhaust Systems for Air Conveying of Materials
NFPA 910	Recommended Practice for the Protection of Libraries and Library Collections from Fire
NFPA 911	Recommended Practice for the Protection of Museums and Museum Collections from Fire
NFPA 912	Recommended Practice for Fire Protection in Places of Worship
NFPA 913	Recommended Practice for the Protection of Historic Structures and Sites
NFPA 914	Recommended Practice for Fire Protection in Rehabilitation and Adaptive Reuse of Historic Structures
NFPA 921	Guide for Fire and Explosion Investigations
NFPA 92A	Recommended Practice for Smoke Control Systems
NFPA 92B	Guide for Smoke Management Systems in Malls, Atria and Large Areas
NFPA 96	Standard for the Installation of Equipment for the Removal of Smoke and Grease Laden Vapors from Commercial Cooking Equipment
NFPA 97	Standard Glossary of Terms Relating to Chimney, Vents, Heat Producing Appliances
NFPA 99	Standard for Health Care Facilities
NFPA 99B	Standard for Hypobaric Facilities
NFRC 100	Procedure for Determining Fenestration Product Thermal Properties
NFRC 200	Procedure for Determining Fenestration Product Solar Heat Gain Coefficients at Normal Incidence
NISO Z 39.14	Writing Abstracts
NISO Z 39.16	Preparation of Scientific Papers for Written or Oral Presentation



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NISO Z 39.18	Scientific and Technical Reports
NISO Z 39.23	Standard Technical Report Number (STRN)—Format and Creation
NISO Z 39.31	Format for Scientific and Technical Translations
NMFC-100	National Motor Carrier Freight Classifications
NRCA	Construction Details
NRCA	Handbook of Accepted Roofing Knowledge
NRCA	Roofing and Waterproofing Manual
NRCA	Steep Roofing Manual
NRMCA	Certification of Ready-Mixed Concrete Production Facilities, Latest Revision
NSC	Accident Prevention Manual for Industrial Operations
NSC	Aviation Ground Operation Safety Handbook
NSC	Fundamentals of Industrial Hygiene
NSC	Management Safety Policies and Procedures
NSC	Motor Fleet Safety Manual
NSC	Supervisor's Safety Manual
NSF	National Sanitation Foundation Standards
NWMA IS 5	Industry Standard for Ponderosa Wood Doors
NWWA (now NGWA)	Manual of Groundwater Sampling Procedures



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
NWWDA 101/IS 2	Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors
NWWDA 101/IS 3	Wood Sliding Patio Doors
NWWDA IS-1	Series for Wood Flush Doors
NWWDA IS-2	Industry Standard for Wood Window Units
NWWDA IS-3	Industry Standard for Wood Sliding Patio Doors
NWWDA IS-6	Industry Standard for Wood Style and Rail Doors
NWWDA IS-7	Industry Standard for Wood Skylight/Roof Window Units
PCA	Clear Coatings for Exposed Architectural Concrete
PCA	Effect of Substances on Concrete and Guide to Protective Treatment
PCA	Painting Concrete
PCA	Surface Treatments for Concrete Floors
PCI MNL-116	Manual for Quality Control for Plants and Production of Precast and Prestressed Concrete Products
PCI MNL-120	Design Handbook
PCSA-4	Mobile Power Crane and Excavator Standards and Hydraulic Crane Standards
PDCA	Architectural Painting and Wall Covering Manual (Inactive)
PTI	Post-Tensioning Manual
QC-1	Office of Defense Programs Nuclear Weapons Production Standard
RAC-1	Room Air Conditioners



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
RFCI	Recommended Work Procedures for Resilient Floor Covering
SAE J-227a	Electric Vehicle Test Procedure
SAE J429k	Mechanical and Material Requirements for Externally Threaded Fasteners
Safety Library Publication No. 22	Institute for Manufacturers of Explosives Standard 22
SBCCI SBC	Standard Building Code
SDI 100	Steel Doors and Frames
SDI 102	Recommended Installation Standard For Insulated Steel Door Systems
SDI 108	Recommended Selection and Usage Guide for Standard Steel Doors
SDI 25	Design Manual for Composite Decks, Form Decks and Roof Decks
SDI A250.8	Recommended Specifications for Standard Steel Doors and Frames (Steel Door Institute)
SDI DDM 01	Diaphragm Design Manual
SFPE	Society of Fire Protection Engineers (SFPE) Handbook
SJI	Standard Specifications Load Tables and Weight Tables for Steel Joists and Joist Girders
SMA 2005 (SMS 2006)	Specifications for Aluminum Sliding Screen Doors
SMA 3001	Aluminum Swinging Screen Doors
SMACNA	Architectural Sheet Metal Manual
SMACNA	Energy Recovery Equipment and Systems Manual
SMACNA	Fibrous Glass Duct Construction Standards



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
SMACNA	Fire Damper Guide for Air Handling Systems
SMACNA	HVAC Air Duct Leakage Test Manual
SMACNA	HVAC Duct Construction Standards-Metal and Flexible
SMACNA	HVAC Systems Duct Design Manual
SMACNA	Round Industrial Duct Construction Standards
SPRI	Single Ply Roofing: A Professional's Guide to Specifications
SPRI	Wind Design Guide for Ballasted Single Ply Roofing Systems
SPRI	Wind Design Guide for Fully Adhered Single Ply Roofing Systems
SPRI	Wind Design Guide for Mechanically Attached Single Ply Roofing Systems
SSFI SH 300	Steel Frame Shoring Safety
SSPC A	Good Painting Practice Steel Structures Painting Manual Volume 1
SSPC-Vis 1	Pictorial Surface Preparation Standards for Painting Steel Surfaces
SSPCA AB1	Mineral and Slag Abrasives
SSPCA AB2	Specification for Cleanliness of Recycled Ferrous Metallic Abrasives
SSPCA AB3	Ferrous Metallic Abrasive
SWI	Specifications Brochure for Steel Windows
TIA/EIA 526-7 and 14	Standard Test Procedures for Fiber Optic Systems
TIA/EIA 568-B1 thru B3	Commercial Building Telecommunications Cabling Standard



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
TIA/EIA 569 A thru A-7	Commercial Building Standard for Telecommunications Pathways and Spaces
TIA/EIA 598	Optical Fiber Cable Color Coding
TIA/EIA 607	Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications
TIA/EIA 758	Customer-Owned Outside Plant Telecommunications Cabling Standard
TIA/EIA-222-F	Structural Standards for Steel Antenna Towers and Antenna Supporting Structures
Tire and Rim Manufacturer's Association	Recommended Practices for Fleet Operations
UL	Building Materials Directory
UL	Definition of 1.5 Hour or Greater Fire Resistance Rating (see UL 72)
UL	Fire Resistance Directory
UL	Product Directories of Underwriters Laboratories and Suppliers
UL 1034	Burglary-Resistant Electric Locking Mechanisms
UL 1076	Proprietary Burglar Alarm Units and Systems
UL 10A	Standard for Safety Tin Clad Fire Doors
UL 10B	Fire Tests of Door Assemblies
UL 13	Power-Limited Circuit Cables
UL 1310	Class 2 Power Units
UL 1316	UL Standard for Safety Glass-Fiber-Reinforced Plastic Underground Storage Tanks for Petroleum Products, Alcohols, and Alcohol-Gasoline Mixtures
UL 1479	Standard for Fire Test of Through-Penetration Firestops



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
UL 155	Standard for Safety Tests for Fire Resistance for Vault and File Room Doors
UL 1610	Central-Station Burglar-Alarm Units
UL 1651	Optical Fiber Cable
UL 17	Vent or Chimney Connector Dampers for Oil-Fired Appliances
UL 1778	Uninterruptible Power Supply Systems
UL 1995	Heating and Cooling Equipment
UL 207	Standard for Safety Refrigerant-Containing Components and Accessories, Nonelectrical
UL 294	Access Control System Units
UL 296	Oil Burners
UL 3044	Surveillance Closed Circuit Television Equipment
UL 305	Safety Panic Hardware
UL 325	Standard for Safety Door, Drapery, Louver and Window Operators and Systems
UL 365	Police Station Connected Burglar Alarm Systems and Units
UL 444	Communication Cables
UL 452	Antenna Discharge Units
UL 493	Standard for Safety Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables
UL 497	Protectors for Paired Conductor Communications Circuits
UL 497B	Protectors for Data Communications and Fire Alarm Circuits



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
UL 507	Electric Fans
UL 508	Standard for Safety Industrial Control Equipment
UL 555	Fire Dampers
UL 555S	UL Standard for Safety Smoke Dampers
UL 559	Standard for Heat Pumps, 3rd Edition with amendments
UL 58	UL Standard for Safety Steel Underground Tanks for Flammable and Combustible Liquids
UL 586	Standard for Safety High Efficiency Particulate Air Filter Units
UL 603	Power Supplies for Use with Burglar Alarm Systems
UL 609	Local Burglar Alarm Units and Systems
UL 611	Central-Station Burglar Alarm Systems
UL 618	Concrete Masonry Units
UL 636	Holdup Alarm Units and Systems
UL 639	Intrusion Detection Units
UL 681	Installation and Classification of Burglar and Holdup Alarm Systems
UL 682	Standard for Installation and Classification of Burglar and Holdup Alarm Systems, 2-26-99
UL 72	Standard for Safety Tests for Fire Resistance of Record Protection Equipment
UL 723	Standard for Safety Test for Surface Burning Characteristics of Building Materials
UL 726	Oil-Fired Boiler Assemblies



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number	Document Title
UL 727	Oil-Fired Central Furnaces
UL 729	Oil-Fired Floor Furnaces
UL 730	Oil-Fired Wall Furnaces
UL 731	Oil-Fired Unit Heaters
UL 752	Standard for Safety Bullet-Resisting Equipment
UL 752	Standard for Bullet-Resisting Equipment, 3-10-00
UL 768	Standard for Safety Combination Locks
UL 779	Standard for Safety Electrically Conductive Floorings
UL 827	Central Station Alarm Services
UL 827	Standard for Safety for Central-Station Alarm Services, 10-1-96
UL 896	Oil-Burning Stoves
UL 900	Standard for Safety Test Performance of Air Filter Units
UL 96	UL Standard for Safety Lighting Protection Components
UL 96A	Installation Requirements for Lightning Protection Systems
UL 983	Surveillance Camera Units
UL 984	Standard for Safety Hermetic Refrigerant Motor-Compressors
UL 992	Investigation for Test for the Flame Propagation Classification of Flooring and Floor Covering Materials
WEF M0008RPE	Design of Municipal Wastewater Treatment Plants



Department of Energy (DOE) Technical Standards Program



Appendix B: Non-Government Standards Adopted by DOE

Document Number

Document Title

WMO No. 8

Guide to Meteorological Instruments and Methods of Observation