



Standards *Actions*

Projects Initiated

The following DOE technical standards projects were recently initiated. If you are interested in participating in the development of these standards, please contact the persons listed below.

- *Nuclear Material Facility Design Against Natural Phenomena*, Project No. FACR-0015; Conversion of DOE-STD-1020-94 to an ANS standard; Larry Fischer, EH-31; 510-423-0159.
- *Classification of Nuclear Material Facilities to Withstand Natural Phenomena*, Project No. FACR-0016; Conversion of DOE-STD-1021-93 to an ANS standard; Larry Fischer, EH-31; 510-423-0159.
- *Evaluation Criteria for Characterizing Natural Phenomena at Nuclear Material Facilities*, Project No. FACR-0017; Conversion of DOE-STD-1022-94 to an ANS standard; Larry Fischer, EH-31; 510-423-0159.
- *Probabilistic Analysis of Natural Phenomena Hazards at Nuclear Material Facilities*, Project No. FACR-0018; Conversion of DOE-STD-1023 to an ANS standard; Larry Fischer, EH-31; 510-423-0159.
- *DOE Fire Protection Handbook*, Project No. GDRQ-0007; Dennis Kubicki, EH-51; 301-903-4794.
- *Fire Protection Design Criteria*, Project No. GDRQ-0008; Dennis Kubicki, EH-51; 301-903-4794.
- *Guide for DOE Non-Nuclear Facility Hazard Analysis*, Project No. SAFT-0048; Ken Murphy, EH-53; 301-903-6514.
- *Environment, Safety and Health Management Planning Process and the Environment, Safety and Health Management Plan*, Project No. QCIC-0010; Michael C. Moore, EH-73; 202-586-0712.

Technical Standards Program Document Status as of 9/30/95

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
27	53	22	3

Total in process = 75

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSM) will provide selected reviewers with copies for comment. If you wish to comment on a particular document, please notify your TSM. DOE documents sent for coordination during the past month are given below.

- *Safety of Magnetic Fusion Facilities: Requirements*, SAFT-0028, (Steven H. Rossi, ER-54, 301-903-5534); comments due October 18, 1995.
- *Safety of Magnetic Fusion Facilities: Guidance*, SAFT-0028, (Steven H. Rossi, ER-54, 301-903-5534); comments due October 18, 1995.

Documents Recently Published

The following *new* DOE documents have recently been placed on the Internet at

<http://apollo.osti.gov/html/techstds/techstds.html>

- DOE-HDBK-1090-95, *Hoisting and Rigging* (Formerly *Hoisting and Rigging Manual*), June 1995.
- DOE-HDBK-1089-95, *Guidance for Identifying, Reporting, and Tracking Nuclear Safety Noncompliances*, August 1995.
- DOE-HDBK-1085-95, *DOE Rule Enforcement Program Roles and Responsibilities*, August 1995.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. For information on membership, call Bethany Marks at 212-642-4948.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may

be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments.

The following American National Standards are currently in coordination:

- A10.39, *Construction Safety and Health Audit Program* (new standard); comments due October 31, 1995.
- ANS 3.8.7, *Criteria for Planning, Development, Conduct, and Evaluation of Drills and Exercises for Emergency Preparedness* (new standard); comments due November 14, 1995.
- ANS 4.5, *Accident Monitoring Instrumentation for Nuclear Power Generating Stations* (revision and consolidation of ANSI/ANS 4.5-1980 and ANSI/IEEE 497-1981); comments due November 14, 1995.
- ASME BPVC Revision: 1995 Addenda, *ASME Boiler and Pressure Vessel Code* (revision of 05/19/95 Meeting); comments due November 14, 1995.
- ASTM E84-95, *Test Method for Surface Burning Characteristics of Building Materials* (new standard); comments due October 31, 1995.
- ASTM E119-95A, *Test Methods for Fire Tests of Building Construction and Materials* (new standard); comments due October 31, 1995.
- ASTM E176-93A, *Terminology of Fire Standards* (new standard); comments due October 31, 1995.
- ASTM E535-93A, *Practice for Preparation of Fire-Test-Response Standards* (new standard); comments due October 31, 1995.
- ASTM E800, *Guide for Measurement of Gases Present or Generated During Fires* (new standard).
- ASTM E931-94, *Practice For Classification of Occupancies for Their Relative Fire Hazard* (new standard); comments due October 31, 1995.
- ASTM E1546-93, *Guide for Development of Fire Hazard Assessment Standards* (new standard); comments due October 31, 1995.
- ASTM F1449, *Guide for Care and Maintenance of Flame Resistant and Thermally Protective Clothing* (new standard); comments due November 14, 1995.
- NFPA 268-1996, *Ignitibility of Exterior Wall Assemblies Using a Radiant Heat Energy Source* (new standard); comments due October 31, 1995.

- NFPA 269-1995, *Toxic Potency Data for Use in Hazard Modeling* (new standard); comments due October 31, 1995.
- S3.44, *Determination of Occupational Noise Exposure and Estimation of Noise-Induced Hearing Impairment* (new standard); comments due October 31, 1995.

The following newly published American National Standards are available from ANSI:

- ANSI/AWWA C502-94, *Hydrants, Dry-Barrel Fire*.
- ANSI N15.36-1994, *Nuclear Materials - Nondestructive Assay Measurement Control and Assurance*.

The following international standards are currently in coordination (due dates follow each entry):

- ISO/DIS 2919, *Radiation protection - Sealed radioactive sources - General requirements and classification (revision of ISO 1677: 1977 and ISO 2919: 1980)* - December 24, 1995.
- ISO/DIS 13794, *Ambient air - Determination of asbestos fibres - Indirect-transfer transmission electron microscopy method* - December 3, 1995.
- prA1 EN 60695-2-4/1, *Fire hazard testing - Part 2: Test methods - Section 4/Sheet 1: 1 kW nominal pre-mixed test flame and guidance (for information)*.
- prEN 443, *Helmets for firefighters* - September 15, 1995.
- prEN 474-3, *Earth-moving machinery - Safety - Part 3: Requirements for loaders (for information)*.
- prEN 818-6, *Short link chain for lifting purposes - Safety - Part 6: Chains slings - Instructions for use and maintenance* - December 20, 1995.
- prEN 1263-2, *Safety nets - Part 2: Safety requirements, erection* - December 21, 1995.
- prEN 1918-5, *Gas supply - Underground gas storage - Part 5: Functional requirements for underground gas storage surface facilities* - November 30, 1995.
- prEN ISO 8497, *Thermal insulation - Determination of steady-state thermal transmission properties of thermal insulation for circular pipes (for information)*.
- prEN ISO 10882-2, *Health and safety in welding and allied processes - Sampling of airborne particles and gases in the operator's breathing zone - Part 2: Sampling of gases (ISO/DIS 10882-2: 1995)* - December 26, 1995.
- prEN ISO 13791, *Thermal performance of buildings - Internal temperatures in summer of a room without mechanical cooling - General criteria and calculation procedures* - November 30, 1995.

The following newly published international standards are available from ANSI:

- IEC 900: 1987/Amendment 1: 1995, Amendment 1 - Hand tools for live working up to 1000 V a.c. and 1500 V d.c.
- ISO 5171: 1995, Pressure gauges used in welding, cutting and allied processes.
- ISO 13536: 1995, Soil quality - Determination of the potential cation exchange capacity and exchangeable cations using barium chloride solution buffered at pH=8,1.

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in ASTM *Standardization News*. Orders for subscriptions or single copies of ASTM *Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 1916 Race Street, Philadelphia, Pennsylvania 19103. For information regarding ASTM membership, contact the Membership Services Department at 215-299-5454. ASTM publications may be ordered from the ASTM Customer Services Department at 215-299-5585 (FAX 212-977-9679). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 215-299-5572. The following listings are extracted from ASTM *Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination: (the due date for all items is October 10, 1995).

- New Standard, *Use of the International System of Units (SI) the Modern Metric System*.
- New Standard, *Guide to Selection of Resident Species as Test Organisms for Aquatic and Sediment Toxicity Test*.
- C 1310, *Test Method for Determining Radionuclides in Soils by Inductively Coupled Plasma-Mass Spectrometry Using Flow Injection Preconcentration* (new standard).
- D 5811, *Test Method for Strontium-90 in Water* (new standard).
- D 5812, *Test Method for the Determination of Organochlorine Pesticides in Water by Capillary Column Gas Chromatography* (new standard).
- E 584-77, *Recommended Guide for Developing the (ASTM) Voluntary Consensus Standards Required to Help Implement the National Energy Plan [has outstanding negatives]*.
- E 636-86, (Includes change to title), *Guide for Conducting Supplemental Surveillance Tests for Nuclear Power Reactor Vessels* (revision of standard).

- E 1740, *Test Method for Determining the Heat Release Rate and Other Fire-Test-Response Characteristics of Wallcovering Composites Using a Cone Calorimeter* (new standard).
- E 1742, *Practice for Radiographic Examination* (new standard).
- E 1745, *Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs* (new standard).

The following newly published standards are available from ASTM:

- E 1026-95, *Practice for Using the Fricke Reference Standard Dosimetry System* (revision of standard).
- E 1563-95, *Guide for Conducting Static Acute Toxicity Tests with Echinoid Embryos* (new standard).
- F 1522-95, *Guide for the Use of the Steam Stripping Process in Mitigating Chemical Spills* (revision of standard).

NGS Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Petroleum Institute

Office: 1220 L Street, NW
Washington, DC 20005

Contact: J. C. Beckstrom

- BSR/API MPMS Chapter 4.4, *Tank Provers* (new standard).

Contact: Ron Chittim

- BSR/API 536, *Post Combustion NOx Control for Fired Heaters* (new standard).
- BSR/API 556, *Fired Heaters and Steam Generators* (new standard).
- BSR/API 571, *Recognition of Conditions Causing Deterioration or Failure* (new standard).
- BSR/API 572, *Inspection of Pressure Vessels* (new standard).
- BSR/API 578, *Construction Material Quality Assurance* (new standard).
- BSR/API 580, *Risk-Based Inspection* (new standard).

Contact: Jim Greer

- BSR/API 2A-WSD, *Planning, Designing, and Constructing Fixed Offshore Platforms Working Stress Design* (new standard).

Contact: Andrew Jacques

- BSR/API 752, *Management of Hazards Associated with Location of Process Plant Buildings* (new standard).
- BSR/API 2001, *Fire Protection in Refineries* (new standard).

Office: 1220 L Street, NW
Washington, D.C. 20005

Contact: Prentiss Searles

- BSR/API 553, *Control Valve Applications* (new standard).
- BSR/API RP 554, *Process Instrumentation and Control* (new standard).

American Society of Mechanical Engineers

Office: 345 East 47th Street, M/S 10C
New York, NY 10017

Contact: Richard McGinnis

- BSR/ASME PCC, *ASME Post Construction Committee* (new standard).

National Fire Protection Association

Office: 1 Batterymarch Park
Quincy, MA 02269

Contact: Arthur E. Cote

- BSR/NFPA 160, *Standard on Special Effects Before A Proximate Audience* (new standard).
- BSR/NFPA 520, *Standard on Subterranean Space* (new standard).

Underwriters Laboratories, Inc.

Office: 333 Pfingsten Road
Northbrook, IL 60062-2096

Contact: Jeff Prusko

- BSR/UL 1897, *Uplift Test For Roof Covering Systems* (new standard).

Comments or Questions

If you have any questions or comments, please contact Rick Serbu (EH-31), Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856. Questions or comments may also be referred to Don Spellman, 423-574-7891, c/o Performance Assurance Project Office, Oak Ridge National Laboratory, P.O. Box 2009, Oak Ridge, Tennessee 37831-8065. The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-0396.

**Standards *Actions***

United States Department of Energy

Office of Scientific and Technical Information

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