

Standards Actions— May 2002

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Standards Actions



DOE Technical Standards Program Document Status

04-29-2002

Activity Summary

In Conversion – 4

In Preparation – 47

Out for Comment – 12

Published this Month – 6



5-year Review Status

Revision in Progress – 10

Reaffirmation in Progress – 12

Supersedure in Progress – 0

Cancellation Pending – 7

Cancellation in Progress – 1

No Current Action – 20

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DOE Technical Standards Proposed for Reaffirmation

The following documents are currently being reevaluated under the 5-year "Periodic Document Review" (Sunset Review) provision of the Technical Standards Program Procedures (TSPs). The Preparing Activity (Office of Worker Protection Policy and Programs, EH-52) believes that the documents are technically valid in their present versions and recommends that they be reaffirmed.

The following DOE Technical Standards are proposed for reaffirmation:

- DOE-HDBK-1109-97, Change Notice 1, *Radiological Safety Training for Radiation-Producing (X-Ray) Devices*.
- DOE-HDBK-1110-97, Change Notice 1, *ALARA Training for Technical Support Personnel*.

A review period ending June 24, 2002, has been set to provide the opportunity for interested persons to comment on these reaffirmation proposals. All comments and questions should be routed through your site Technical Standards Manager, who will relay your responses to the contact. If you have any questions or comments about the standards, please contact Peter O'Connell, 301-903-5641, Peter.O'Connell@eh.doe.gov.

DOE Technical Standards Recently Published

The following DOE Technical Standards were recently published and posted on the TSP Web Site:

- DOE-HDBK-1106-97, Change Notice 1, *Radiological Contamination Control Training for Laboratory Research*.
- DOE HDBK-1110-1997, Change Notice 1, *ALARA Training for Technical Support Personnel*.
- DOE-STD-1021-93 (Reaffirmed with errata), *Natural Phenomena Hazards Performance Categorization Guidelines for Structures, Systems, and Components*.
- DOE-STD-1022-94 (Reaffirmed with errata), *Natural Phenomena Hazards Characterization Criteria*.
- DOE-STD-1023-95 (Reaffirmed with errata), *Natural Phenomena Hazards Assessment Criteria*.
- DOE-STD-1150-2002, *Quality Assurance Functional Area Qualification Standard*.

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; 1-800-473-4375, Fax 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; 703-605-6000, Fax 703-605-6900.

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*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at http://web.ansi.org/rooms/room_14/. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, contact Susan Bose at 212-642-4948 or sbose@ansi.org.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, 800-854-7179, Fax 303-397-2740, global@ihs.com, <http://global.ihs.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

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 more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

The following American National Standards are currently in coordination (comment due dates follow each entry):

- AISC N690 Supplement 1, *Specification for the Design, Fabrication, and Erection of Steel Safety-Related Structures for Nuclear Facilities* (supplement to ANSI/AISC N690-1994) – June 10, 2002.
- ASME B5.51M-1979, *Preferred SI Units for Machine Tools* (reaffirmation of ANSI/ASME B5.51M-1979 (R1994)) – June 4, 2002.
- ASTM F1005-1997, *Practice for HVAC Duct Shapes; Identification and Description of Design Configuration* (reaffirmation of ANSI/ASTM F1005-1997) – May 20, 2002.
- ASTM F1207/F1207M-1997, *Specification for Electrical Insulation Monitors for Monitoring Ground Resistance in Active Electrical Systems* (metric)

(reaffirmation of ANSI/ASTM F1207-1997) – May 20, 2002.

- IEEE 762-2002, *Definitions for Use in Reporting Electric Generating Unit Reliability, Availability, and Productivity* (new standard) – June 11, 2002.
- IEEE 859-2002, *Terms for Reporting and Analyzing Outage Occurrences and Outage States of Electrical Transmission Facilities* (new standard) – June 11, 2002.
- IEEE 367-2002, *Recommended Practice for Determining the Electric Power Station Ground Potential Rise and Induced Voltage from a Power Fault* (revision of ANSI/IEEE 367-1996) – June 11, 2002.
- ISA S12.06.01-1995 (R200x), *Wiring Practices for Hazardous (Classified) Locations – Instrumentation – Part I: Intrinsic Safety* (revision of ANSI/ISA S12.06.01-1995 (R2002)) – June 10, 2002.
- UL 268-200x, *Smoke Detectors for Fire Protective Signaling Systems* (new standard) – May 20, 2002.

The following American National Standards have been approved for publication (Publication is to take place within six months following the date shown. Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900.):

- ANSI C37.32-2002, *High-Voltage Switches, Bus Supports, and Accessories-Schedules of Preferred Ratings, Construction Guidelines and Specifications* (revision of ANSI C37.32-1996) – March 20, 2002.
- ANSI N43.17-2002, *Radiation Safety for Personnel Security Screening Systems Using X-Rays* (new standard) – April 3, 2002.
- ANSI/ANS 8.12-1987 (R2002), *Nuclear Criticality Control and Safety of Plutonium-Uranium Fuel Mixtures Outside Reactors* (reaffirmation of ANSI/ANS 8.12-1987 (R1993)) – March 20, 2002.
- ANSI/ANS 19.3.4-2002, *Determination of Thermal Energy Deposition Rates in Nuclear Reactors* (revision of ANSI/ANS 19.3.4-1976 (R1989)) – April 15, 2002.
- ANSI/ASME B89.7.3.3-2002, *Guidelines For Assessing the Reliability of Dimensional Measurement Uncertainty Statements* (new standard) – April 22, 2002.
- ANSI/ICEA T-26-465/NEMA WC 54-2000, *Guide for Frequency of Sampling Extruded Dielectric Power, Control, Instrumentation, and Portable Cables for Test* (new standard) – March 20, 2002.

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- ANSI/UL 1699-2002, *Standard for Safety for Arc-Fault Circuit-Interrupters* (revision of ANSI/UL 1699) – March 20, 2002.

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

- 26/236/FDIS, IEC 60974-2, *Arc welding equipment – Part 2: Liquid cooling systems* – May 31, 2002.
- 27/314/FDIS, IEC 61922, *High-frequency induction heating installations – Test methods for the determination of power output of the generator* – May 31, 2002.
- 45B/357/FDIS, IEC 61559-2, *Radiation in nuclear facilities – Centralized systems for continuous monitoring of radiation and/or levels of radioactivity – Part 2: Requirements for discharge, environmental, accident, or post-accident monitoring functions* – May 24, 2002.
- 77A/378/FDIS, IEC 61000-2-4 Ed.2, *Electromagnetic Compatibility (EMC) – Part 2-4: Environment – Compatibility levels in industrial plants for low-frequency conducted disturbances* – May 24, 2002.
- 89/526/FDIS, IEC 60695-1-30, Ed. 1, *Fire hazard testing – Part 1-30: Guidance for assessing the fire hazard of electrotechnical products – Use of preselection testing procedures* – May 24, 2002.
- prEN 1146 REVIEW, *Respiratory protective devices for – Self-contained open-circuit compressed air-breathing apparatus incorporating a hood for escape (compressed air escape apparatus with hood) – Requirements, testing, marking* – August 7, 2002.
- prEN 14387, *Respiratory protective devices - Gas filter(s) and combined filter(s) – Requirements, testing, marking* – July 28, 2002.
- prEN ISO 4142, *Laboratory glassware – Test tubes (ISO/FDIS 4142:2002)* – for information.

The following newly published international standards are available:

- IEC 61000-2-2 Ed. 2.0 b:2002, *Electromagnetic compatibility (EMC) – Part 2-2: Environment – Compatibility levels for low-frequency conducted disturbances and signaling in public low-voltage power supply systems*.
- ISO 15473:2002, *Soil quality – Guidance on laboratory testing for biodegradation of organic chemicals in soil under anaerobic conditions*.
- ISO 15614-8:2002, *Specification and qualification of welding procedures for metallic materials – Welding*

procedure test – Part 8: Welding of tubes to tube-plate joints.

- ISO 17659:2002, *Welding – Multilingual terms for welded joints with illustrations*.

American National Standards 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 Society of Mechanical Engineers (ASME)

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Contact: Silvana Rodriguez-Bhatti,
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- ASME BTH-1-200x, *Design of Below-The-Hook Lifting Devices* (new standard).
 - ASME B30.26-200x, *Safety Standard for Rigging Hardware* (new standard).
 - ASME PTC 18-200x, *Hydraulic Turbines and Pump Turbines* (revision of ANSI/ASME PTC 18-1992).
- Fax:** (212) 705-7196
Contact: Jack Karian, karianj@asme.org
- ASME Y14.18M-200x, *Engineering Drawings and Related Documentation Practices – Optical Parts* (revision of ANSI/ASME Y14.18M-1986 (R1998)).
 - ASME Y14.24-200x, *Types and Applications of Engineering Drawings* (revision of ANSI/ASME Y14.24-1999).

American Society for Testing and Materials International (ASTM International)

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- IEEE SI 10-200x, *American National Standard for Use of the International System of Units (SI): The Modern Metric System* (revision of ANSI/IEEE/ASTM SI 10-1997).

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