

Standards Actions

Technical Standards Program Newsletter

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U.S. DEPARTMENT OF
ENERGY | OFFICE OF
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TECHNICAL STANDARDS ACTIVITIES

Revision of DOE Explosives Safety Standard

The Department of Energy Explosive Safety Standard (DOE-STD-1212-2019, *Explosives Safety*), has completed the RevCom process and received 100% concurrence from DOE. The new standard is located on the DOE Technical Standards Program webpage: standards.doe.gov. The new standard has been restructured as a user friendly document. The reference system is simple and numeric-based, which allows for instant referencing. Larger chapters were broken down into smaller chapters, and the document now utilizes a standard page format, making it easier on the reader's eyes. These improvements have made the document easier for users to read, research, and reference.

In addition, the recommended changes from the DOE/The National Nuclear Security Administration (NNSA) Explosives Safety Committee to the Office of Personnel Investigations (OPI) were approved and integrated into the new version. Development of the standard was a collaboration of all safety disciplines, the DOE/NNSA Explosives Safety Committee, Office of Environment Health, Safety and Security (AU), and Subject Matter Experts from around the DOE Complex including Explosives Safety, Industrial Hygiene, Occupational Safety and Health, and Fire and Electrical authority having jurisdiction (AHJ). This group helped to remove items that are adequately addressed in their consensus standards. Exceptions, allowances, and additional requirements specific to explosives operations and activities that are not addressed by other consensus standards were retained, such as, electrical hazard classification for explosives operations, lightning protection exceptions, quantity-distance, level-of-protection, and explosives development. The new standard also clarifies key roles and responsibilities of Federal and Partner personnel involved in Explosives Safety.

The dedicated Writing Team included: Jose Munoz NA-LA (now NA-512), Eric Allred NA-NV, Wendell Shoemaker NA-NPO, William Gentile NA-LA, Bernard Whitaker NA-LA, Jeff Franchere NA-SFO, Anthony Dutton CNS, John Taylor CNS, James Haworth CNS, and William Andrews LLNL.

**Written by Thomas Garcia, DOE/NNSA Explosives Safety Committee
Chairperson**

Invoked Technical Standards and Departmental Directives Project

Technical Standards provide non-mandatory best practices for meeting requirements; however, a Standard will become a requirements document if invoked by a Department of Energy (DOE) Directive. DOE Order 251.1D Change 1 (Administrative Change), *Departmental Directives Program*, provides a definition for invoked Technical Standards.

The Departmental Directives Program and the DOE Technical Standards Program (the Programs) determined that invoking Technical Standards by Directives was inconsistent and often led to confusion in the implementation of requirements. The Programs conducted a review to identify which Directives do, and which do not, invoke Standards. Boilerplate language was then developed to clearly identify Standards invoked by Directives. After approving the boilerplate language, the Directives Review Board (DRB) undertook an effort to review affected Directives that invoke Technical Standards. Once complete, this effort will result in an official list of Technical Standards invoked by Directives, and the invoking of Standards will be clear and consistent within each Directive. Any new invoking of a Technical Standard will need to be justified to the user community and to the DRB.

Seven Directives have been updated through this effort thus far. Two Orders were updated to clarify which Technical Standards are invoked:

- DOE Order 422.1, *Conduct of Operations*; and
- DOE Order 461.1C, *Packaging and Transportation for Offsite Shipment of Materials of National Security Interest*.

Five Orders were updated to clarify that they do not invoke Technical Standards:

- DOE Order 151.1D, *Comprehensive Emergency Management System*;
- DOE Order 232.2A, *Occurrence Reporting and Processing of Operations Information*;
- DOE Order 425.1D, *Verification of Readiness to Start Up or Restart Nuclear Facilities*;
- DOE Order 426.1A, *Federal Technical Capability Program*; and
- DOE Order 430.1C, *Real Property Asset Management*.

The DRB is still reviewing five Directives from the initial effort. The Programs will conduct a final review of all Directives to ensure that all invoked Standards were captured through this effort. Please contact the Departmental Directives Program (DOEdirectives@hq.doe.gov) with any questions regarding this effort.

Submitted by the Departmental Directives Program

DOE Technical Standards Updates

The following is an overview of recent Technical Standards actions for November and December 2019, and January 2020. A complete list of on-going DOE Technical Standards actions can be found on the “Monthly Status Reports” posted on the Technical Standards Program website: www.standards.doe.gov

Project Justification Statements Posted in RevCom for 15-day Review

Proposed revision to DOE -HDBK-1120-2008, *Radiological Worker Training*

POC: John Blaikie, Office of Worker Safety and Health Studies AU-11, Phone: 301-903-8470

Technical Standards Posted in RevCom for 60-day Review

Proposed revision to DOE-STD-1090-2011, *Hoisting and Rigging*

POC: Maurice Haygood, Office of Worker Safety & Health Policy, AU-11, Phone: 301-903-1787

Proposed new document DOE-HDBK-XXXX-YR, *Entity Eligibility Determinations (EED) and Foreign Ownership, Control, or Influence (FOCI) Handbook*

POC: Natasha Wright, Office of Security Policy, AU-51, Phone: 301-903-4804

Recently Approved Standards

DOE-STD-1187-2019, *Beryllium-Associated Worker Registry Data Collection and Management Guidance*

POC: Daniela Stricklin, Office of Domestic & International Health Studies AU-13, Phone: 301-903-0947

DOE-STD-1212-2019, *Explosives Safety*

POC: Thomas Garcia, NNSA, Office of Worker Safety and Health Services, NA-513, Phone: 505-245-5936

DOE-SPEC-1142-2019, *Beryllium Lymphocyte Proliferation Testing (BeLPT)*

POC: Daniela Stricklin, Office of Domestic & International Health Studies, AU-13, Phone: 301-903-0947

Cancellations

DOE-HDBK-1145-2013, *Radiological Safety Training for Plutonium Facilities*

POC: John Blaikee, Office of Worker Safety & Health Policy, AU-11, Phone: 301-903-8470

Upcoming Events and Workshops

BNCS Winter 2020 Session

When: February 19-20, 2020

Where: Sanibel Harbour Marriott Resort, Fort Meyers, FL

EFCOG Worker Safety & Health Subgroup Meeting

When: March 30-April 2, 2020

Where: Pacific Northwest National Laboratory, Richland, WA

Safeguards and Security Working Group Meeting (EFCOG)

When: April 14-16, 2020

Where: Discovery Hall, Pacific Northwest National Laboratory, Richland, WA

NQA Meeting

When: April 20-23, 2020

Where: Crowne Plaza Portland Downtown Convention Center, Portland, OR

EFCOG Annual Meeting

When: June 2-3, 2020

Where: DOE Forrestal Building, 1000 Independence Avenue, SW, Washington, D.C

2020 Nuclear and Facility Safety Programs (NFSP) Workshop

"Collaborating Across Boundaries"

When: June 7-12, 2020

Where: JW Marriott in New Orleans, LA

2020 ANS Annual Meeting

When: June 7-11, 2020

Where: Arizona Grand Resort, Phoenix, AZ

NFPA Conference & Expo

When: June 15-18, 2020

Where: Orange County Convention Center, Orlando, FL

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the *Standards Actions* newsletters,
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www.standards.doe.gov