

Standards Actions

Technical Standards Program Newsletter

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U.S. DEPARTMENT OF
ENERGY | OFFICE OF
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INSIDE THIS ISSUE

Articles

- Introduction to Draft DOE-STD-1234, YR, *Radioactive Material Storage Containers*

Technical Standards Activities

- *DOE Technical Standards Updates*
- *Upcoming Events and Workshops*

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TECHNICAL STANDARDS ACTIVITIES

Introduction to Draft DOE-STD-1234-YR, *RADIOACTIVE MATERIAL STORAGE CONTAINERS*

The Department of Energy (DOE) has captured and issued detailed packaging requirements for protecting workers from exposure to nuclear materials stored outside of an approved engineered contamination barrier in DOE M 441.1-1, *Nuclear Materials Packaging Manual*. The Manual was last modified with an Administrative Change in February 2016. DOE Manuals dictate how federal and contractor employees implement requirements. DOE has decided to discontinue Manuals in DOE O 251.1D, *Departmental Directives Program*. The Office of Quality Assurance and Nuclear Safety Management Programs (EHSS-32) initiated a project to develop a technical standard, which captures the “how” part of M 441.1-1, in lieu of updating the Manual. An Integrated Project Team (IPT) was created to develop draft DOE-STD-1234-YR, *Nuclear Material Packaging*. This Standard was drafted in 2018, but progress on issuing the Order was stopped due to other priorities. When it was originally drafted, it was not intended to be an invoked Standard since the Office of Primary Interest (OPI) was not willing to issue or amend an Order to invoke the Standard.

By late 2022, the Department began the task of moving the Standard forward to approval. In the interim, the National Nuclear Security Administration (NNSA) expressed an interest and willingness to conduct a limited revision to DOE O 410.2, *Management of Nuclear Materials*, to invoke DOE-STD-1234-YR once it was completed.

Invoked Standards undergo a more rigorous and widespread review process within the nuclear Program Secretarial Office (PSO) community. Since that degree of review was not provided on the original IPT drafted document, EHSS-32, in agreement with the PSOs, determined to release the Standard for RevCom review again, with the review period extended till the end of September 2023, under the new title of *Radioactive Materials Storage Containers*. By the time this article is published, RevCom review and comment should be completed, and the IPT is working on the resolution of the comments. Upon publication, EHSS-32 will work closely with the OPI of DOE O 410.2 to invoke the Standard.

EHSS-32 welcomes your interest and will be glad to discuss the Standard with you. The point of contact is Brendan Burns, EHSS-32, at (202) 586-2671, email brendan.burns@hq.doe.gov.

Written by Brendan M. Burns, PE, Office of Quality Assurance and Nuclear Safety Management Programs

DOE Technical Standards Updates

The following is an overview of recent Technical Standards actions for July, August, and September 2023. A complete list of DOE Technical Standards actions can be found on the “Monthly Status Reports” posted on the Technical Standards Program website: www.standards.doe.gov and in the Monthly TSMC Minutes posted on [Organizational Excellence \(energy.gov\)](http://Organizational Excellence (energy.gov)).

Project Justification Statement (PJS) Posted in RevCom for 15-day Review:

Proposed Revision of DOE-STD-3013-2018, *Stabilization, Packaging and Storage of Plutonium-Bearing Materials*

POC: Curtis W. Gardner, EM-4.23, Office of the AM for Nuclear Material Stabilization, Phone: 803-208-1939

Proposed Revision of DOE-HDBK-1092-2013, *Electrical Safety*

POC: Mallory Neyens, EHSS-11, Office of Worker Safety and Health Policy, Phone: 301-903-4943

In RevCom for 60-Day Review:

Proposed Reaffirmation of DOE-STD-3007-2017, *Preparing Criticality Safety Evaluations at Department of Energy Nonreactor Nuclear Facilities*

POC: Angela Chambers, DOE- NNSA, Phone: 806-573-6407

In RevCom for 90 Day Review:

Proposed New Standard DOE-STD-1234-YR, *Radioactive Material Storage Containers*

POC: Brendan Burns, EHSS-32, Office of Quality Assurance and Nuclear Safety Management Programs, Phone: 202-586-2671

Final Concurrence:

DOE-STD-XXXX-YR, *Firearms Qualifications for Department of Energy (DOE) Protective Forces*

POC: Richard Faiver, EHSS-51, Office of Security Policy, Phone: 301-903-4613

Published:

DOE-STD-1242-2023, *Canine Explosive Detection Team Certification Protocol (CUI)*

POC: Carl Pocratsky, EHSS-52, Office of Security, Phone: 301-903-2769

Cancellations:

Nothing to report.

Upcoming Events and Workshops

ASME's International Mechanical Engineering Congress and Exposition (IMECE)

When: October 29-November 2, 2023

Where: New Orleans Ernest N. Morial Convention Center, New Orleans, LA

2023 ANS Winter Meeting and Technology Expo

When: November 12-15, 2023

Where: Washington, D.C./Washington Hilton

ANSI Membership Overview Webinar

When: December 1, 2023

Where: Virtual-12-12:30pm

ANSI Materials in Nuclear Energy Systems (MiNES 2023)

When: December 10-14, 2023

Where: New Orleans, LA/New Orleans Marriott

For more information on the listed meetings or events, please see the organization's website listed below:

<http://www.ans.org/>

<https://www.ansi.org/>

<https://www.nfpa.org/>

<https://www.asme.org>

To learn more about the DOE Technical Standards Program or to view
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