

Standards Actions

Technical Standards Program Newsletter

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Publishing Organization

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TECHNICAL STANDARDS ACTIVITIES

SUSPECT AND COUNTERFEIT ITEM PREVENTION EFFORTS

The issue with Suspect/Counterfeit Items (S/CIs), specifically electronic components and integrated circuits, is an increasing problem throughout the nuclear industry. The Department of Energy (DOE) has seen an increased spread of S/CIs in the supply chain via the Department's Occurrence Reporting System. Each year approximately 100 occurrences are reported. DOE believes the main cause for this increase is the lack of reliable and cost-effective detection methods for electronic components, and no existing national/international consensus standard addressing the issue.

DOE is working with several agencies to reduce threats from S/CIs. The Department is updating the S/CI Resource Handbook and with its issuance will replace the existing DOE S/CI Awareness Training document. The Office of Quality Assurance (AU-33) is working to submit the revised handbook through RevCom by the end of the calendar year.

The Department is participating in other activities related to S/CIs. The International Atomic Energy Agency (IAEA) has acknowledged the global S/CI issue and is currently updating its existing standard, IAEA-TECDOC-1169, *Managing Suspect and Counterfeit Items in the Nuclear Industry*. Mr. Duli Agarwal, AU-33 staff, is chairing the Task Group to update this standard. The revised IAEA-TECDOC-1169 is expected to be published in the middle of 2016.

DOE is participating in an Inter-Agency Workgroup to revise the Federal Acquisition Regulation (FAR) with regard to managing S/CIs and is working with the American Society of Mechanical Engineers (ASME) to add more S/CI guidance within the regulatory standard, ASME Nuclear Quality Assurance (NQA)-1, *Quality Assurance Requirements for Nuclear Facility Applications*. The current version, ASME NQA-1-2015, has some guidance on S/CIs, but DOE believes enhancements to the guidance can be made.

For more information, please contact Duli C. Agarwal, Office of Quality Assurance (AU-33) at 301-903-3919 or Duli.Agarwal@hq.doe.gov.

TECHNICAL STANDARDS ACTIVITIES

DOE TECHNICAL STANDARDS UPDATES

The following is an overview of recent Technical Standards actions. A complete list of on-going Department of Energy (DOE) Technical Standards actions can be found on the "Monthly Status Reports" posted on the Technical Standards Program Web site: energy.gov/ehss/monthly-status-reports.

Technical Standards New Project Registrations

- DOE-Handbook (HDBK)-XXXX-YR, *Suspect/Counterfeit Items Resource Handbook* (Proposed New Document)
Contact: Duli Agarwal **Phone:** 301-903-3919
Office of Quality Assurance (AU-33)
- DOE-HDBK-1046-2008, *Temporary Emergency Exposure Limits/or Chemicals: Methods & Practices* (Proposed Revision)
Contact: David Freshwater **Phone:** 301-903-3988
National Nuclear Security Administration
Office of Emergency Management Implementation and Policy (NA-41)
- DOE-HDBK-1139-2008, *Chemical Management (Volume 3 of 3) Consolidated Chemical User Safety and Health Requirements* (Proposed Revision)
Contact: David Weitzman **Phone:** 301-903-5401
Office of Worker Safety and Health Policy (AU-11)
- DOE-Standard (STD)-1138-2007, *Industrial Hygiene Functional Area Qualification Standard* (Proposed Revision)
Contact: David Weitzman **Phone:** 301-903-5401
Office of Worker Safety and Health Policy (AU-11)

Project Justification Statements Posted in RevCom for 15-day Review

- DOE-HDBK-XXXX-YR, *Department of Energy Motor Vehicle Management Handbook* (Proposed New Document)
Contact: Dante Tan **Phone:** 202-287-1364
Office of Management
Office of Personal Property Policy (MA-653)
- DOE-STD-1149-2002, *Safety and Health Program for DOE Construction Projects* (Proposed Revision)
Contact: Larry McCabe **Phone:** 301-903-6732
Office of Worker Safety and Health Policy (AU-11)

Technical Standards Posted in RevCom for 60-day Review

- DOE-HDBK-XXXX-YR, *Natural Phenomena Hazards Analysis and Design Criteria for DOE Facilities* (Proposed New Document)
Contact: Sharon Jasim-Hanif **Phone:** 301-903-4664
Office of Nuclear Facility Safety Programs (AU-32)
- DOE-STD-3011-2002, *Preparation of Documented Safety Analysis for Interim Operations at DOE Nuclear Facilities* (Proposed Revision)
Contact: Chris Chaves **Phone:** 301-903-5999
Office of Nuclear Safety Basis and Facility Design (AU-31)
- DOE-STD-1112-1998, *DOE Laboratory Accreditation Program Radiobioassay Technical Standard* (Proposed Revision)
Contact: Steve Zobel **Phone:** 301-903-2615
Office of Worker Safety and Health Policy (AU-11)
- DOE-NA-STD-3016-2006, *Hazard Analysis Reports for Nuclear Explosive Operations* (Proposed Revision)
Contact: Gabriel Pugh **Phone:** 505-845-5408
National Nuclear Security Administration
Office of Nuclear Weapons Stockpile (NA-122)
- DOE-STD-1120-2005, *Preparation of Documented Safety Analysis for Decommissioning and Environmental Restoration Activities* (Proposed Revision)
Contact: Chris Chaves **Phone:** 301-903-5999
Office of Nuclear Safety Basis and Facility Design (AU-31)
- DOE-STD-1030-1992, *Guide to Good Practices for Lockout and Tagout* (Proposed Cancellation)
Contact: Earl Hughes **Phone:** 202-586-0065
Office of Nuclear Facility Safety Programs (AU-32)

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TECHNICAL STANDARDS ACTIVITIES

Recently Approved Standards

- DOE-STD-1129-2015, *Tritium Handling and Safe Storage*
Contact: Bill Weaver **Phone:** 301-903-7038
 Office of Environmental Management
 Office of Safety, Security and Quality Programs (EM-40)
- DOE-STD-1083-2009 (Reaffirmation 2015), *Processing Exemptions to Nuclear Safety Rules and Approval of Alternative Methods for Documented Safety Analyses*
Contact: Chris Chaves **Phone:** 301-903-5999
 Office of Nuclear Safety Basis and Facility Design (AU-31)

Change Notices

- DOE-STD-1213-2014 (Change 1: September 2015), *Protective Force Contingency Planning Technical Standard*
Contact: Richard Faiver **Phone:** 301-903-4613
 Office of Security Policy (AU-51)
- DOE-STD-1207-2012 (Change 1: September 2015), *Protection Programming Defensive Planning for Fixed Facilities*
Contact: Richard Faiver **Phone:** 301-903-4613
 Office of Security Policy (AU-51)

UPCOMING MEETINGS & CONFERENCES

American Society of Mechanical Engineers Nuclear Quality Assurance - Fall 2015 Meeting

When: October 20-22, 2015
Where: Albuquerque, New Mexico

Energy Facility Contractors Group Safety Working Group Integrated Safety Management & Quality Assurance Subgroup Fall 2015 Meeting

When: October 26-29, 2015
Where: Las Vegas, NV

2015 American Nuclear Society Winter Meeting & Nuclear Technology Expo

When: November 8-12, 2015
Where: Washington, DC

American Concrete Industry Fall 2015: Constructability

When: November 8-12, 2015
Where: Denver, CO

World of Concrete 2016

When: February 2-5, 2016
Where: Las Vegas Convention Center, NV

To learn more about the DOE Technical Standards Program or
 to view the *Standards Actions* newsletters,
 visit the Web site:

<http://energy.gov/ehss/services/nuclear-safety/departments-energy-technical-standards-program>