

INMM Accredited Standards Committee N15
Annual Report to the INMM Executive Committee
July 2013

This report covers the period July 2012 to July 2013.

Status of Accredited Standards Committee (ASC) N15 Standards.

ASC N15 has three active standards:

- N15.8-2009 – Special Nuclear Material (SNM) Control and Accounting Systems for Nuclear Power Plants,
- N15.36-2010 – Measurement Control Program, Nondestructive Assay Measurement Control and Assurance, and
- N15.51-2007 – Measurement Control Program, Nuclear Materials Analytical Chemistry Laboratory.

All of these standards were published by the American National Standards Institute (ANSI) and are available for purchase online at <http://webstore.ansi.org/>.

ASC N15 has several standards under review or development, including:

- N15.19-1989 – Volume Calibration Techniques (not active). An N15 writing team has reviewed International Organization for Standardization (ISO) standard 18213, “Tank Calibration and Volume Determination for Nuclear Materials Accountancy”, parts 1 through 6, as part of the ANSI process for adopting the ISO standard as an American National Standard. Comments are being compiled for further discussion. The team has been holding regular webinars to review the ISO standard.
- N15.28-1991 – Training and Certification of Safeguards Personnel (not active). The writing team has performed an initial review of the archived standard to discuss potential scope and content modifications. A draft revision is being prepared for further discussion.
- N15.41-1994 – Measurement Control, General Principles (not active). The writing team prepared a draft to be circulated to a wider writing group for further review and revision. The writing team seeks additional members: statisticians and destructive and nondestructive assay subject matter experts from the regulatory agencies, NRC licensees, and DOE contractors are asked to participate in the revision of this standard.
- N15.51-2007 – Measurement Control Program – Nuclear Materials Analytical Laboratory (active). An N15.51 writing team was formed and held several webinars and meeting(s) to review the standard as part of its regular five year renewal. Proposed revisions have been incorporated into a draft revision.
- New Standard – Nondestructive Assay Measurements of Nuclear Material Holdup: General Provisions. A final revised draft was completed by the writing team, submitted to the N15 Board and is being prepared for N15 consensus body ballot vote. The draft N15 standard

discusses administrative practices and other general provisions, and is expected to supplement an ASTM test method that discusses technical aspects of holdup measurements.

ASC N15 Consensus Body Ballot Roster. The ASC N15 Board completed and balloted an updated roster by consensus body vote in 2012. The updated ASC N15 Consensus Body Ballot Roster is posted on the N15 web site.

Outreach and Collaboration.

- N15 continues to use on-line meeting capabilities to provide additional working session options for N15 writing teams and subcommittees. Webinar sessions have been utilized to assist several writing teams in the review and deliberations of their standards.
- N15.8-2009 – SNM Control and Accounting Systems for Nuclear Power Plants (active). This N15 standard is up for renewal in 2014. The N15 Board is currently looking for a new writing team chair to replace Martha Williams and for interested stakeholders to participate.
- Tracking UF6 cylinders – DOE/NNSA staff expressed an interest in developing a voluntary consensus standard for the identification, labeling and tracking of UF6 cylinders and are working to define the standard’s scope and purpose. Efforts were undertaken over the past year to reach out to manufacturers and other potential stakeholders. N15 officers are working with the officers of INMM ASC N14, which maintains N14.1-2001 – *Uranium Hexafluoride –Packaging for Transport*, for further collaboration. The UF6 task group is interested in both: 1) adding a unique ID to UF6 cylinder nameplates (which falls within the scope of ASC N14), and 2) tracking and accounting for UF6 material (which falls within the scope of ASC N15).
- ISO/TC 85 – The N15/ N5.1 subcommittee is working to continue a strong connection with the IAEA and with related ISO standards committees through the U.S. Nuclear Technical Advisory Group (NTAG) to ISO Technical Committee 85 (ISO/TC85). An N15 team is reviewing the ISO 18213 standard for U.S. adoption as an American National Standard, and applicable comments are being compiled to submit for the next ISO 18213 revision.
- N15 Board Officers participated in meetings of the INMM Executive Committee and INMM Technical Divisions; the Nuclear Energy Standards Coordination Collaborative (NESCC), the ANSI Government Members Forum and ANSI Meeting for Standards Developers; ASTM Standards Committee C26.10; and the NRC International Regulators Conference held December 2012. These collaborative efforts reduce the potential for conflict or duplication between INMM ASC N15 standards and those of other standards developing organizations.
- N15 Board Officers participated in ANSI Webinars and Training including the Overview of Essential Requirements in December 2012; and ANSI 2013 Accredited Standards Developer Compliance Form Webinar in January 2013.
- N15 Board Officers submitted comments to ANSI regarding proposed changes to the ANSI Essential Requirements: “ExSC 8169 - Revision of Section 2.5 of the ‘ANSI Essential Requirements’ (ANSI PINS Shelf Life Proposal)” and “ANSI Review Requested Open Projects”.

ASC N15 Web Pages. The ASC N15 home page is hosted on the INMM website. ASC N15 worked with INMM staff to complete updates to the N15 website in 2012.

06/19/13

ANSI Audit (5-Year) – The periodic ANSI audit of INMM ASC N15 was conducted March through June 2013. Overall the audit results were positive and the ANSI audit team provided several good suggestions to improve N15 operations. The N15 Board is preparing a corrective action plan to address the audit findings/procedural concerns for submittal to ANSI and the ASC N15 Operating Procedures will be modified accordingly.

Summary. The N15 Board would like to express appreciation and thanks to all who give of their knowledge, expertise, time and effort in the development of ASC N15 voluntary consensus standards. We invite all those with a material and stakeholder interest in N15 standards to attend our meetings. Please visit the INMM/N15 website at http://www.inmm.org/N_15.htm.

Respectfully submitted on behalf of N15 by,

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