

**INMM Accredited Standards Committee N15**  
 Report to the INMM Executive Committee  
 July 2013 to July 2014

**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:

- N15.8-2009 – SNM Control and Accounting Systems for Nuclear Power Plants (active). A group of interested stakeholders reviewed this standard and determined that it remains relevant, is in active use and should be reaffirmed. This N15 Consensus Body Ballot Roster re-affirmed this standard with no changes and there were no comments during the public comment period. The N15 Board is preparing the final paperwork for submission to ANSI.
- 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 have been integrated and the consolidated draft is under review.
  - A written modification to the ANSI/INMM Adoption Agreement was approved by INMM and ANSI. The modification will function legally as part of the ANSI/INMM Adoption Agreement already in place.
- N15.28-1991 –Guide for Qualification and Certification of Safeguards Personnel (not active). Input from the writing team has been consolidated into a draft and reviewed. As part of the writing team work, other domestic and international models for defining a qualification & certification process were reviewed and discussed. The team is planning to hold an ad hoc meeting during the 2014 INMM Annual Meeting.
- 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, standards and testing laboratories, 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 writing team has revised the standard in response to suggestions submitted by N15 members. The writing process is being documented and the standard will be sent for technical editing. Following resolution of technical edits it will be submitted to the N15 Consensus Body Ballot Roster for approval.
- N15.56 (New standard) – Non-Destructive Assay Measurements of Nuclear Material Holdup: General Provisions. The N15 Ballot Roster approved the standard with comments, and the comments were resolved by the writing team. The standard was submitted for public review: no comments were received during the public comment period. The N15 Board will meet July 11 to prepare and submit a request that ANSI approve N15.56 as an American National Standard. This standard defines administrative practices for generating and reporting nondestructive assay results for holdup deposits. The American Nuclear Society (ANS) is preparing a sister standard, “Administrative Practices for the Use of Non-Destructive Assay Measurements for Nuclear Criticality Safety”. A representative from ANS ASC N16 participated on the N15.56 writing team.

#### **Outreach and Collaboration.**

- Tracking UF6 cylinders – DOE/NNSA staff expressed an interest in developing a voluntary consensus standard for the identification, labeling and tracking of UF6 cylinders. Through discussions with industry and manufacturers over the last several years, focus will first be placed on methods for identification and labeling of UF6 cylinders (within the scope of ASC N14), to be followed by methods for tracking (within the scope of ASC N15). Communications have been established between N15 and N14 to assist the team in a collaborative manner. There were several meetings and discussions over the past years to agree on a scope and path forward. There was no active work on this project in the time period March to June 2014.
- N15 Board Officers participated in the INMM Executive Committee meetings in November 2013 in Chicago and March 2014 in Atlanta. Over the past year N15 Board Officers participated in several ANSI Webinars, Nuclear Energy Standards Coordination Collaborative (NESCC) meetings, ASTM C26.10 standard committee meetings, and a NIST standards workshop.

**ANSI Audit (5-Year) 2013.** The INMM ASC N15 Board submitted revised Operating Procedures to ANSI in accordance with the results of the 2013 Audit. INMM ASC N15 was granted reaccreditation by ANSI in December 2013 and the 2013 audit was closed based upon revised approved procedures. This concludes the audit and N15 appreciates the support of INMM through this process.

**Annual Meetings.** The N15 Annual Meeting will be held Wednesday, July 23 from 12-2 EDT. The N15 / INMM 5.1 Subcommittee will meet on Sunday, July 20 from 12-2 EDT. Both meetings will be during the INMM Annual Meeting in Atlanta, Georgia USA.

**Summary.** The N15 Board would like to thank all who contribute to and participate 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](http://www.inmm.org/N_15.htm).

Respectfully submitted on behalf of N15 by,

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