



« Nuclear energy, nuclear technologies, and radiological protection »

ISO/TC 85

Date:
2014-06-06

Doc. Number:
N 1314

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Moscow 2014 - 19th Plenary meeting
ISO/TC 85/WG 3
“Dosimetry for Radiation Processing”
Report

FOLLOW UP

For information

SOURCE

ISO/TC 85 Secretary

NOTE

ISO/TC 85/WG3

Dosimetry for Radiation Processing

Report to ISO/TC 85 Nuclear Energy, Nuclear
Technologies and Radiological Protection

Moscow, Russia

June 5, 2014

Convener: John Logar

WG3 Achievements Between Jeju and Paris Meetings

- Prior to the Paris meeting, many ISO/ASTM standards had been revised by ASTM and submitted to TC 85 for ISO balloting
 - Two ISO/ASTM standards were reapproved through the Systematic Review
 - One ISO/ASTM standard was approved through the affirmative vote in the DIS balloting but was not published until after the Paris meeting
 - No revisions were published between the Jeju meeting in 2010 and the Paris meeting in 2012
 - Last revisions were published in 2009
 - Two ISO/ASTM standards balloted for withdrawal by ASTM were waiting for withdrawal through the ISO process
 - Two new ASTM standards were submitted for inclusion to set of ISO/ASTM standards and approved for ballot as DIS

Concern Regarding Slow Approval of ISO/ASTM Standards

- Because of the lengthy time required for the approval and publication of the standards through the ISO process, ASTM Committee E61 on Radiation Processing considered withdrawing from the ISO affiliation
- ASTM Executive Members discussed with ISO methods to improve the approval process and proposed a new and simplified maintenance procedure
- This revised procedure was published as Document N1248 in January 2013

Progress Since the Paris Meeting

- Progress in the approval and publication of standards improved greatly following the introduction of the new procedures
 - In 2012, one revised standard was published
 - In 2013, most of the standards being revised were published
 - 11 revised standards were published
 - 2 standards were reapproved
 - 2 standards were withdrawn
 - In 2014, 2 standards approved by ASTM were prepared for DIS ballot

Progress Since the Paris Meeting

- Two new standards prepared by ASTM E61 as top level standards were added to the set of ISO/ASTM standards
 - ISO/ASTM 52628 Practice for Dosimetry in Radiation Processing
 - ISO/ASTM 52701 Guide for Performance Characterization of Dosimeters and Dosimetry Systems for Use in Radiation Processing

Progress Since the Paris Meeting

- ASTM E61 Dosimetry Standards that were successfully balloted for approval to be added to the program of work of ISO/TC 85
 - ASTM E1026 Practice for Using the Fricke Reference-Standard Dosimetry System
 - ASTM E2303 Guide for Absorbed-Dose Mapping in Radiation Processing Facilities
- Both standards will be balloted as DIS

Steps Forward

- WG3 members will be invited to join the ASTM E61 Meeting in New Orleans in January 2015 for a Review Meeting to review the following standards.
- Due for the 5-year Systematic Review
 - ISO/ASTM 51205 Practice for Use of a Ceric-Cerous Dosimetry System
 - ISO/ASTM 51538 Practice for Use of the Ethanol-Chlorobenzene Dosimetry System
 - ISO/ASTM 51900 Guide for Dosimetry in Radiation Research on Food and Agricultural Products
- To be revised as an early revision
 - ISO/ASTM 51310 Practice for Use of a Radiochromic Optical Waveguide Dosimetry System