

NIMMSS



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Accountability

Accuracy

Compliance

NRC's Regulatory Guides Series 5

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- Regulatory Guides Series 5
- Why is NRC revising these documents?
- What documents are being revised?
- What changes are being made?
- Timeline

Regulatory Guides

- Regulatory Guides (RGs) provide guidance on:
 - implementing specific parts of the NRC's regulations
 - techniques used by the NRC staff for evaluating specific problems or postulated accidents
 - data needed by the NRC staff for review of applications for permits or licenses
 - the preferred standard format and content for information submitted for NRC's approval of a specific program, license, permit, or certificate

Why is NRC revising these documents?

- Update
 - Out of 31 MC&A RGs, 29 have not been updated since the early 80s.
- Need to incorporate:
 - Current threat environment
 - Current regulations, including upcoming Part 74 rulemaking
 - Current technology
 - New types of facilities

What documents are being revised?

- Most MC&A RGs will be consolidated into guides on the following topics:
 - Nondestructive assay for uranium
 - Destructive assay for uranium
 - Nondestructive assay for plutonium
 - Destructive assay for plutonium
 - Minimizing and evaluating residual holdup
 - Conducting physical inventory
 - Shipping, receiving and transferring material
 - Statistics for MC&A

What documents are being revised?

- Some MC&A RGs will be revised but not consolidated:
 - RG 5.26 “Selection of Material Balance Areas and Item Control Areas”
 - RG 5.27 “SNM Doorway Monitors”
 - RG 5.51 “Management Review of Nuclear Material Control and Accounting Systems”
 - RG 5.67 “Material Control and Accounting for Uranium Enrichment Facilities Authorized to Produce SNM of Low Strategic Significance”

What documents are being revised?

- Another MC&A RG is being revised by the Office of Nuclear Security and Incident Response (NSIR)
 - RG 5.29 “Nuclear Material Control Systems for Nuclear Power Plants”
- One MC&A RG has already been issued
 - RG 5.80 “Pressure-Sensitive and Tamper-Indicating Device Seals for Material Control and Accounting of Special Nuclear Material”
 - Replaces RGs 5.10 and 5.15 which have now been withdrawn

What changes are being made?

- Consolidating – Combine all RGs on similar MC&A practices
- Updating – Match current rule, threat environment, and technology
- Clarifying – Use plain, clear, and consistent language

Timeline

- January 2009 – Work on revising RGs started
- October 2009 - September 2010 – Kick-off meetings held with contractors to develop technical basis documents
- November 2010 - present – Final technical basis documents being received
- December 2010 – RG 5.80 published. Replaced RGs 5.10 and 5.15.
- January - October 2012 – Draft RGs published for public comment
- September 2012 – June 2013 – Final RGs published.



Questions?