

Radioactive Source Security and Accountability Rulemaking

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Key Messages



- Consistent with Commission direction in [SRM-SECY-17-0083](#), the staff is conducting a rulemaking to revise the radioactive source security and accountability (RSSA) regulations in Title 10 of the *Code of Federal Regulations* (10 CFR).
- The proposed rule would affect applicants applying for a radioactive material license and licensees who transfer category 3 quantities of radioactive material.

Key Messages (cont.)



- It would also address recommendations from several U.S. Government Accountability Office reports and would further deter someone with malicious intent from purchasing category 3 quantities of radioactive material.
- The Commission is reviewing the draft proposed rule (SECY-22-0112).

Proposed RSSA Revisions: Validity of License Applicants



- 10 CFR 30.33(a), 40.32(d), and 70.23(a)
 - Applicants will have to demonstrate that the byproduct material, source material, and special nuclear material, will be used for the purposes stated in its license application.
- Address the concern that applicants could use a fictitious company or provide false information to obtain a valid license or radioactive materials

Proposed RSSA Revisions: Validity of License Applicants (cont.)



- Pre-licensing guidance (not publicly available) will inform the determination of whether the applicant would use the subject radioactive material as specified in the application
- Level of information needed will depend on the proposed licensed activities and the type, quantity, and form of the proposed radioactive material to be possessed and used under the license

Proposed RSSA Revisions: License Verification for Transfers of Category 3 Quantities of Radioactive Materials



- 10 CFR 30.41(d)(1)(i), 40.51(d)(2), and 70.42(d)(1)(i)
- Require license verification through License Verification System (LVS) or by contacting the license-issuing authority
- Verification must be conducted no earlier than 7 days prior to the transfer
- Address concerns with:
 - altering a valid license
 - use of counterfeit license

Proposed RSSA Revisions: Definition of Cat 3 and Cat 3 Quantities



- 10 CFR 30.4, 32.2, and 70.4; New appendix, “Appendix F to Part 30—Category 3 Radioactive Materials”
- New definition and the thresholds for category 3 quantities of radioactive materials
- Facilitate implementation of requirements

Proposed RSSA Revisions: Follow-Up Verification Methods



- 10 CFR 30.41(d)(1)(ii), 40.51(d)(3), and 70.42(d)(1)(ii)
- A more stringent follow-up verification method for licensees that process emergency shipments

Proposed RSSA Revisions: Prohibition of Transfers of Category 3 Generally Licensed Devices



- 10 CFR 31.5(c)(8)(i), 31.5(f), and 32.51(a)(3)
- Exclude the transfer of category 3 sources to general licensees
- Allow transfer of a category 3 quantity of radioactive material only to a specific licensee of the NRC or an Agreement State

Proposed RSSA Revisions: Remove Obsolete Verification Methods



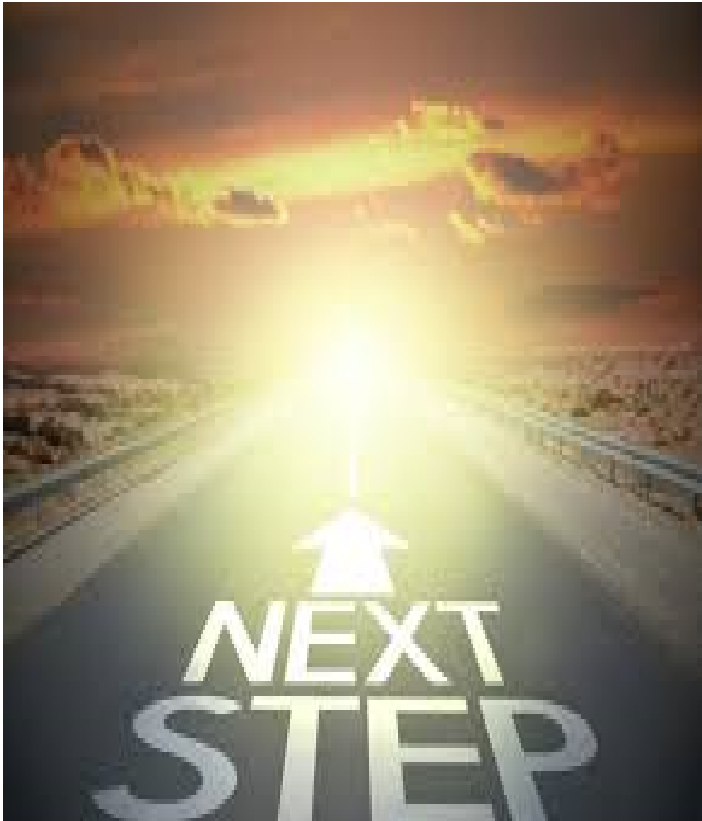
- 10 CFR 30.41(d)(4), 40.51(d)(4), and 70.42(d)(4)
- Remove the obsolete verification method of obtaining information from a reporting service

Draft Interim Guidance, “Radioactive Source Security and Accountability”



- Interim guidance with frequently asked questions (FAQ)
 - Facilitate implementation of regulatory changes
 - Updates will be made in a future revision of the NUREG-1556 series to conform with this rulemaking effort

Next Steps



- Once Commission direction is received, publish proposed rule in the *Federal Register*
- Conduct further stakeholder engagements during public comment period
- NRC Staff will consider all comments received in the development of a final rule
- Final rule due to the Commission in 2024

Have Questions?

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