



U.S. NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

Draft Regulatory Basis – Overview

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Three Rulemaking Efforts

- Enhanced Security at Fuel Cycle Facilities
- Special Nuclear Material (SNM)
Transportation Security
- Security Force Fatigue at Nuclear
Facilities



Objectives

- Improve consistency and clarity;
- Make generically applicable security requirements similar to those imposed by the security orders;
- Consider risk insights, operational oversight and inspection activities, and international guidance
- Use a risk-informed and performance-based structure



Scope

- Physical protection of SNM at facilities
 - Fuel Cycle
 - Non-power reactors
 - Research and development
 - Industrial
- Physical protection of SNM in transit



Not included in Scope

- SNM protected under 10 CFR 73.55
- SNM at independent spent fuel storage installation
- Order requirements addressed by other efforts



Contents

- Background
- Existing Regulatory Framework
- Regulatory Problem
 - Consistency
 - Generic applicability of security orders
 - Risk insights
 - Use of risk-informed and performance-based structure



Contents (cont'd)

- Basis for Requested Changes
 - Material categorization and attractiveness
 - Fixed site physical protection
 - Transportation physical protection
 - Other changes



Contents (cont'd)

- Alternatives to rulemaking considered
 - No action
 - Issue generic communication
 - Revise existing regulatory guidance
 - Issue new licensee guidance
 - Issue site-specific license conditions
 - Issue security orders regarding fatigue



Contents (cont'd)

- Backfit rule applicability
- Stakeholder interactions
- Cost/impact considerations
 - Applicability
 - Potential licensee impacts
 - Impact on NRC
 - Impact on State, local and Tribal Gov.
 - Environmental Analysis



Contents (cont'd)

- NRC Strategic Plan
- Guidance documents
- Resources
- Timing
- References



Contents (cont'd)

- Attachment 2: Fitness for duty (background)
- Attachments 3 – 8: Proposed fixed site measures
- Attachment 9: Additional measures for sabotage
- Attachments 10 – 15: Transportation measures



Timeline

- Finalize Regulatory Basis – Oct 2014
- Proposed Rule – May 2016
- Final Rule – Nov 2017



Questions