



U.S.NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

RIC 2007

**Security Rulemakings
Impacts on New Reactor
Licensing**

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March 13, 2007

Direction

The Commission expects that as a minimum, new reactors, will provide the same degree of protection to the public and the environment as is required for current generation light water reactors.

Security Rulemakings

- Design Basis Threat – 10 CFR 73.1
- Physical Protection of Operating Power Reactors – Proposed Changes to 10 CFR Part 73
- Security Assessments for New Power Reactors – Proposed 10 CFR 73.62
- Fitness-for-Duty Program for Construction of New Power Reactors – Proposed 10 CFR Part 26, Subpart K

Design Basis Threat (DBT) 10 CFR 73.1

- Prescribes the requirements for the design basis threats on the establishment and maintenance of the physical protection system
- Final DBT Rule was affirmed by the Commission in January 2007

Physical Protection 10 CFR Part 73

- Security requirements for all operating power reactors, most of which have been imposed previously by NRC Orders
- Public comment period extended to March 26, 2007

Security Assessments 10 CFR 73.62

- Would ensure that security design features are reviewed and assessed early in the new plant design to minimize reliance on operational programs
- Draft Proposed Rule currently under Commission review

Fitness-for-Duty Program 10 CFR Part 26, Subpart K

- Requirements are graded by security and safety function and provide licensees with great flexibility
 - Full Part 26 Program: Security personnel, quality assurance personnel, escorts, and behavioral observers
 - Random testing or fitness monitoring: Those who fabricate, erect, integrate, or test safety related structures, systems and components
- Final Rule currently under Commission review

Access Authorization & Physical Security Measures for New Plant Construction

- Currently no requirements
- Security measures (i.e., access authorization and physical security) to reduce the potential of a malevolent act
- The industry has proposed security measures intended provide reasonable assurance of a safe and productive construction site. The staff is currently reviewing the proposed measures

Keys to Success for Staff

- Public input and confidence
- Solicit public and industry involvement on guidance

Thank you!