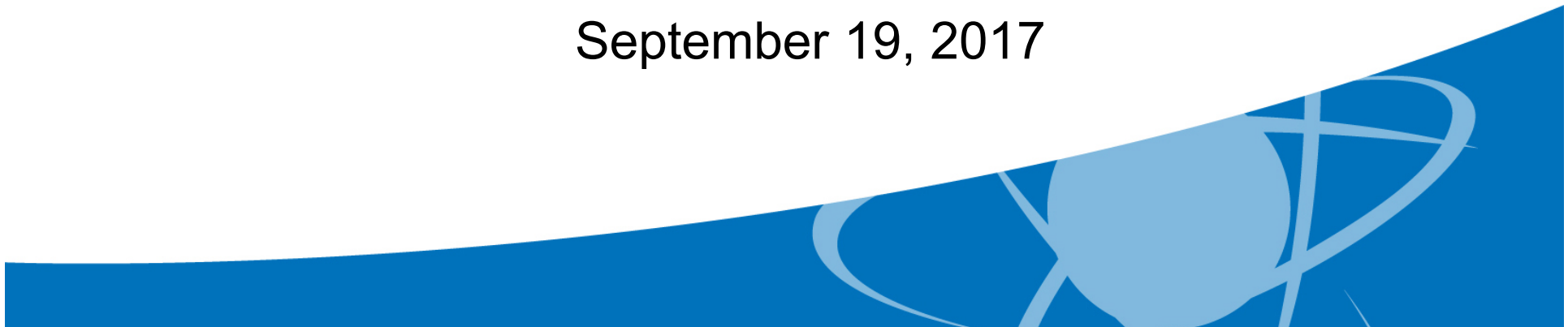


Security Updates

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Research and Test Reactors Oversight Branch

2017 TRTR Conference
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Highlights



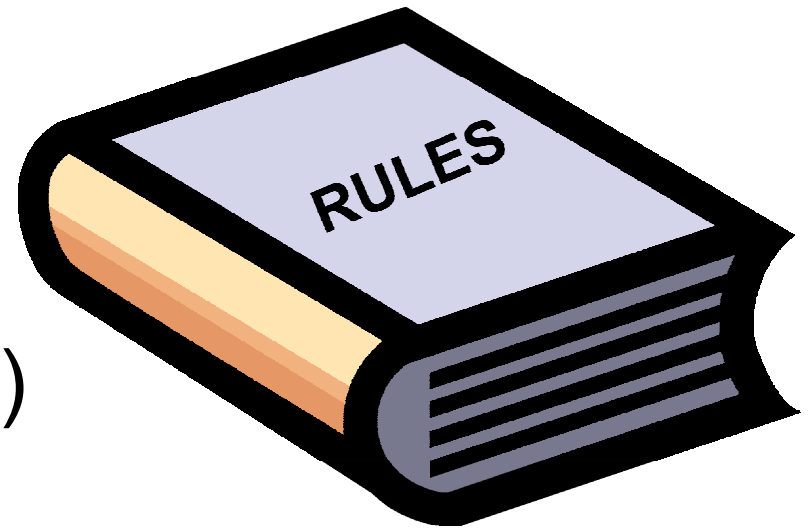
- Security related rulemaking efforts
- Reporting requirements
- Update to the NRC Headquarters Operation Center procedures
- Counter-intelligence information



Ongoing Rulemaking Efforts



- Access Authorization
- Part 73 Enhanced Security for SNM (material attractiveness)
- Cyber Security
- Enhanced Weapons – **Reporting requirements Only**



Access Authorization



- The NRC recently started a new rulemaking activity to examine the role of third parties in access authorization and fitness-for-duty determinations
- Developing a regulatory basis document to help determine a need for a rule
 - With OGC for review, then to steering committee, and then into concurrence
 - TRTR will be notified once it is publically available for review and comment
- There has been several opportunities for public involvement already, including public meetings and *Federal Register* notices

Cyber Security

- Completing the hypothetical all digital RTR
 - Initial review of existing facilities determined no new regulations
 - Instructed to assess the potential vulnerabilities of an all digital facility
- Fuel cycle facility proposed rule submitted to the commission
- Category 1 and 2 by-product material no new rule, but will clarify existing regulation in revised regulatory guide (NUREG-2166)



Enhanced Security of Special Nuclear Material (Part 73)



- Objectives of this rulemaking are
 - incorporate requirements similar to those issued in security orders into the regulations
 - Consider material attractiveness and other risk insights
 - Improve consistency and clarity
 - Use a risk-informed and performance-based structure
- Activities to date
 - Published regulatory basis January 2015
 - Conducted public meetings
- The commission suspended rulemaking activities in 2016

Material Attractiveness



- Staff coordinating with DOE to gain their insights on material attractiveness
- Considers the usefulness of certain forms, types, and quantities of SNM by an adversary in constructing an improvised nuclear device
- Dilution factor used to implement material attractiveness
 - the weight of SNM divided by the total weight of the SNM material and non-SNM materials which are not mechanically separable from the SNM



Enhanced Weapons

- The proposed rule was issued in 2011, along with 2 supplements in 2013 and 2015
- Draft final rule to the Commission by the end of CY 2017
- 300-day compliance period
- Enhanced weapons, preemption and firearms background checks **not applicable**
- **Pre-decisional subject to change**



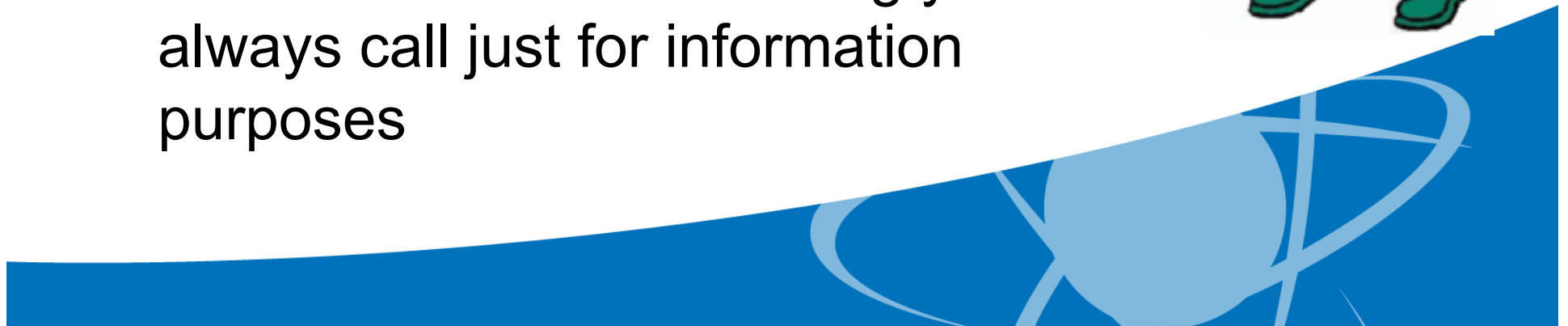
Enhanced Weapons

- Changes in reporting requirements
 - Added suspicious activity
 - Additional activities other than just theft and diversion, or unauthorized access
- Time frame for reporting changed
 - 1-hr notification for events with an actual security impact upon the facility;
 - 4-hr notification for events with a potential security impact upon the facility; and
 - 8-hr notification for events involving security program failures.
 - 15-minute notification for imminent or actual hostile actions not applicable
 - Written follow-up reports will continue to have a 60-day timeliness requirement, after a security event notification



Suspicious Activity

- What is a suspicious activity?
- Not considered suspicious until a licensee concludes it is suspicious
- Guidance will discuss examples of suspicious activities
 - Is an illegally parked car next to the reactor building a suspicious activity?
- When in doubt about calling you can always call just for information purposes



Who to call and How

- Call the Headquarters Operation Officer (HOO) at 301-816-5100
 - The HOO will notify the appropriate RTR staff (PM, security specialist)
- Be prepared to answer specific questions about event, the facility and the reactor status



Information for the HOO



- Name of facility and caller, and call back number
- Time and date of event
- Reactor Information
 - Type
 - Power level and max pulse (if applicable)
 - Status
- Event Classification
 - EAL
 - Safeguards events/Security plan requirements
 - Information purposes - voluntary
- Technical Specification requirements

Counter-Intelligence

- What is it?
- Why is it relevant to this community?
- What can I do?

