



Office of Hazardous Materials Enforcement

PHMSA's new Security Plan Requirements for Radioactive Materials



Effective October 1, 2010

• **Before**

- Placardable radioactive material
- Highway Route Controlled radioactive material

• **Now**

- IAEA Cat 1 and 2 materials including HRCQ, and UF6 requiring placarding
- **NO LONGER APPLIES TO ALL PLACARDABLE YELLOW III**



- **Before**

- Written risk assessment and plan
- Personnel Security
- Unauthorized Access
- En route Security
- Most recent version must be available to employees
- Security Plan must be revised and updated as necessary
- Personnel must be trained

- **Now add:**

- Identification by job title of person with overall responsibility
- Security duties for each position or department responsible and notifications
- Training plan
- Security plan must be reviewed at least annually
- A copy of the plan must be available to DOT



Licensees already have NRC Order EA-05-090:

“Increased Controls for Licensees That Possess Sources Containing Radioactive Material Quantities of Concern”

And EA-08-225:

“In the Matter of Certain Licensees Authorized to Possess and Transfer Items Containing Radioactive Material Quantities of Concern: Order Imposing Additional Security Measures”

Other Orders may also apply



172.804 states: “To avoid unnecessary duplication of security requirements, security plans that conform to regulations, standards, protocols, or guidelines issued by other Federal agencies, international organizations, or industry organizations may be used to satisfy the requirements in this subpart, **provided such security plans address the requirements specified in this subpart.**”



Compliance with the NRC Orders are not acceptable in lieu of a Security Plan because:

- The Security Plan is not in writing
- The Orders do not require a written risk assessment

Even though:

- written procedures are required and
- The requirements for personnel security, en route security, and unauthorized access are more detailed and have more stringent requirements than those required in the Hazardous Materials Regulations



Hazardous Materials Regs	NRC's Proposed Part 37
172.800 Develop and adhere to security plan	37.41(a)(1) Shall establish, implement and maintain a security program
172.800: UF6, Cat 1 and 2	37.3 Cat 1 and 2, UF6 covered under Part 73?
172.802(a) Risk Assessment	??
172.802(a) Personnel Security, Unauthorized Access, En Route Security	Part 37, Subpart B, 37.47, .49, .51, etc, Subpart D
172.802(b)(1) Identification of senior management official responsible	37.43 Individual with overall responsibility must review and approve
172.802(b)(2) Security duties for each position	37.43(b) Implementing procedures
172.802(b)(3) Training plan	37.43(a)(1)(iv) Describe the training
172.802(c) Security Plan in writing 172.802(c) Security Plan reviewed annually 172.802(c) Most recent version available to employees	37.43(a)(1) Written Security Plan 37.55 Security plan reviewed at a frequency not to exceed 12 months. 37.43(a)(3)(ii) Affected individuals are instructed on revised plan before changes made
172.802(d) Security plan available upon request to DOT	



- Questions?