



Briefing on Radioactive Source Security

April 23, 2009

Charles L. Miller, Director

**Office of Federal and State Materials and
Environmental Management Programs**

Major Accomplishments Since April 2008

- NSTS Deployment
- Fingerprinting Requirements
- CsCI Public Workshop and Commission Paper
- Completed Assessment of Materials Security Programs

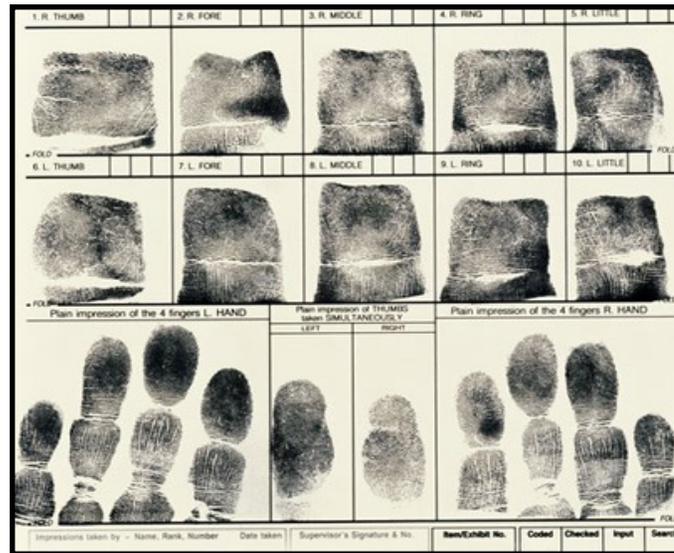
Overview and Radioactive Materials Security and Control Enhancements

Robert J. Lewis, Director
Division of Materials Safety and State
Agreements/FSME

Overview

- Radioactive Materials Security and Control Enhancements
- Interagency and International Coordination
- Integrated Source Management

Radioactive Materials Security and Control Enhancements



Progress on Security Orders

- Increased Controls
- Fingerprinting
- Training Program
- Irradiator, M&D, and RAMQC
Transport Re-Inspections

Cesium Chloride

- CsCl Public Workshop
- Visits to Manufacturers
- Irradiator Hardening Pilot Project
- SRM - SECY 08-184 "Strategy for the Security and Use of CsCl Sources"

Organization of Agreement States' Views

Julia A. Schmitt, Manager

Office of Radiological Health/Nebraska
Department of Health and Human
Services

and

Chair, OAS

OAS Views

- Increased Controls and Fingerprinting
- Prioritization and Working Groups
- NSTS and WBL

Interagency and International Coordination Radiation Source Protection and Security Task Force

Kim K. Lukes, Health Physicist
Source Management and Protection
Branch/MSSA/FSME

Radiation Source Protection and Security Task Force

- Primary vehicle for advancing source security issues across the government
- 2010 report to the President and Congress
- Routine status update meetings

Major Subgroup Accomplishments

- Radiation Sources Subgroup
- CsCI Subgroup
- Public Education Subgroup

Ongoing Efforts

- Alternative Technologies Subgroup
- Evaluation of Financial Assurance Working Group

Interagency and International Coordination Other Coordination Efforts

Richard P. Correia, Director
Division of Security Policy/Office of
Nuclear Security and Incident
Response

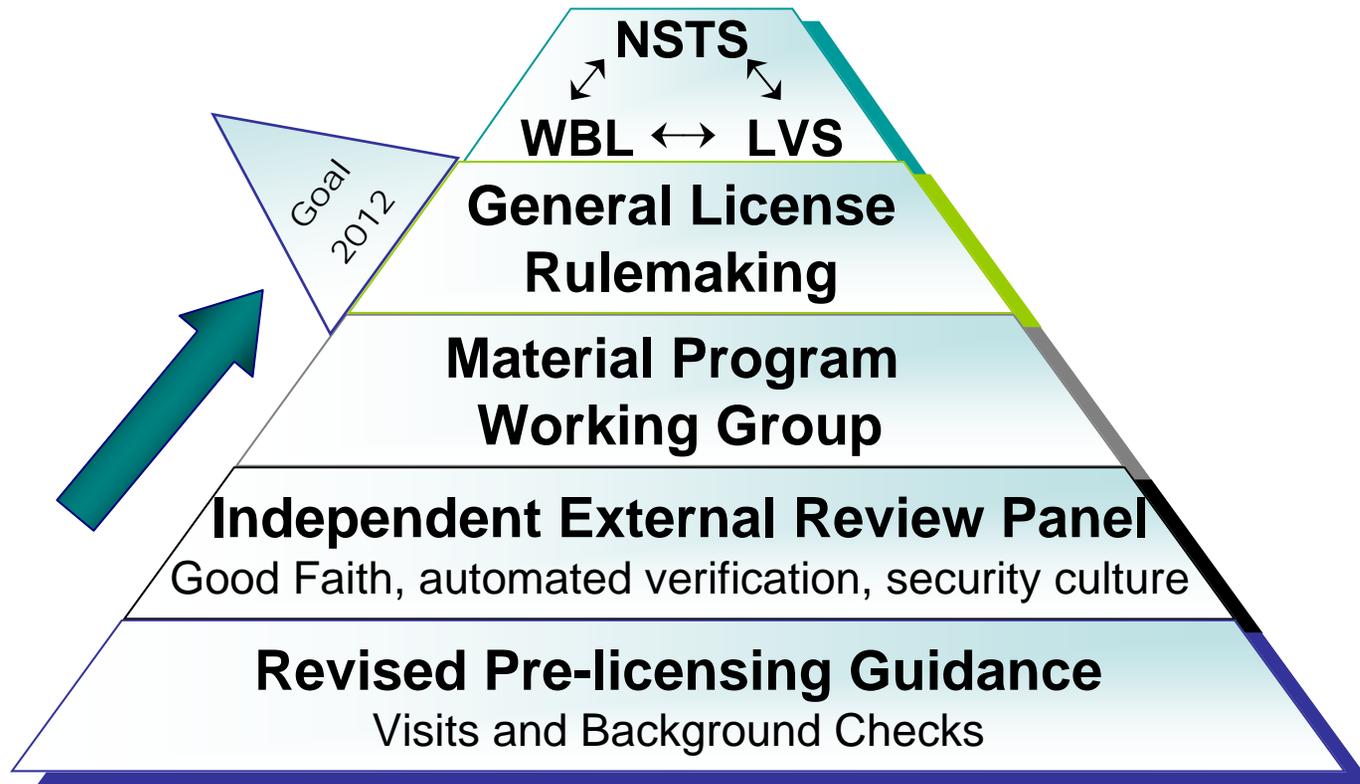
Other Coordination Efforts

- Nuclear Government Coordinating Council
- NRC/DHS/NNSA Trilateral Activities
- International Security Standards

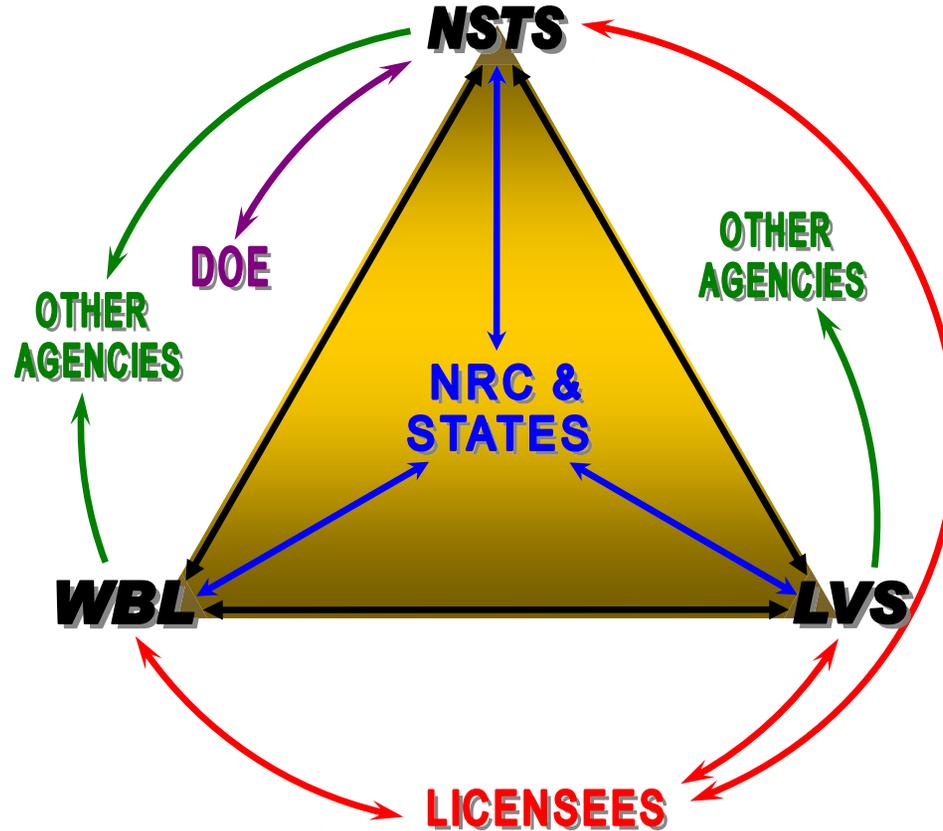
Integrated Source Management Vision, WBL, and LVS

Terrence Reis, Deputy Director
National Materials Program
Directorate/MSSA/FSME

Integrated Source Management



Integrated Source Management-Vision



WBL Status

- Replacement of License Tracking System for Materials Licensing
- Nationwide License Repository
- Coordination with Agreement States – Working Group
- Proceeding with Selected Alternative

LVS Status

- Automated Verification Checks Using WBL and NSTS Data
- Users: Regulators, Government Agencies, Distributors/Licensees
- Initial Deployment in FY11

Integrated Source Management NSTS and Related Security Rulemakings

Merri L. Horn, Sr. Project Manager
Rulemaking Branch B/Division of
Intergovernmental Liaison and
Rulemaking/FSME

NSTS Overview

- Available to licensees for use on January 5, 2009
- Users of Category 1 and 2 radioactive sources reporting inventories and transactions

NSTS Status

- Deployment Activities
- NSTS Use
- Outreach

NSTS Next Steps

- Inspection and Enforcement
- Future Enhancements
- Expansion of NSTS

Related Security Rulemakings

- 10 CFR Part 37 Rulemaking
 - Physical Security
 - Transportation Security
 - Background Investigations/Access Control

Vision and Future of the Materials Security Arena

Charles L. Miller, Director
Office of Federal and State Materials
and Environmental Management
Programs



Acronyms

- ACMUI – Advisory Committee on Medical Use of Isotopes
- CsCl – Cesium Chloride
- DHS – Department of Homeland Security
- DNDO - Domestic Nuclear Detection Office
- DOE – Department of Energy
- FSME – Office of Federal and State Materials and Environmental Management Programs
- GAO – Government Accountability Office
- GL – General License

Acronyms

- IAEA – International Atomic Energy Agency
- IERP – Independent External Review Panel
- IICWG – Implementation of Increased Controls Working Group
- IMPEP – Integrated Materials Performance Evaluation Program
- LVS – License Verification System
- M&D – Manufacturer and Distributor
- MPKI – Managed Public Key Infrastructure
- MPWG – Materials Program Working Group
- MSSA – Materials Safety and State Agreements

Acronyms

- NGCC – Nuclear Government Coordinating Council
- NNSA – National Nuclear Security Administration
- NRC – Nuclear Regulatory Commission
- NSTS – National Source Tracking Systems
- RAMQC - Radioactive Materials Quantities of Concern
- RDD – Radiological Dispersal Device
- RED – Radiological Exposure Device
- SRM – Staff Requirements Memorandum
- WBL – Web-Based Licensing