



MANAGEMENT OF ACCOUNTABLE NUCLEAR MATERIALS

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ACCOUNTABLE NUCLEAR MATERIALS

- Americium-241
- Americium-243
- Californium
- Curium
- Depleted Uranium
- Deuterium/Heavy Water
- Enriched Lithium
- Enriched Uranium
- Neptunium-237
- Normal Uranium
- Plutonium-239
- Plutonium-238
- Plutonium-242
- Thorium
- Tritium
- Uranium-233



MISSION

Serves as the focal point for Departmental policy, planning, and integration for life-cycle management of accountable nuclear materials. Designated as the Departmental office for coordinating the development, maintenance, and tracking of plans for integrated excess materials consolidation and disposition activities.

RESPONSIBILITIES

1. **Develop Department-Wide NM Materials Management Policy;**
2. **Chair the Nuclear Materials Advisory Board**
3. **Integrate Department-Wide NM Consolidation & Disposition Plans;**
4. **Report key Nuclear Materials Management Activity Status;**
5. **Manage the Nuclear Material Management & Safeguards System;**
6. **Manage the Nuclear Material Inventory Assessment;**
7. **Manage the Surplus Fissile Material Baseline and other Restricted Use materials, in support of international agreements and nuclear nonproliferation policy; &**

8. **Integrate Long-Term Material Requirements**

KEY REQUIREMENTS & OBJECTIVES

- **DOE Order 410.2, Management of Nuclear Materials**
- **DOE M 470.4-6, Chg 1, Nuclear Materials Control & Accountability**
- **10CFR840, Domestic Licensing of Source Material**
- **10CFR74, Material Control & Accounting of Special Nuclear Material**

NUCLEAR MATERIALS INTEGRATION



Mission

Activities

Resources

ANALYSIS

ACCOUNTABILITY

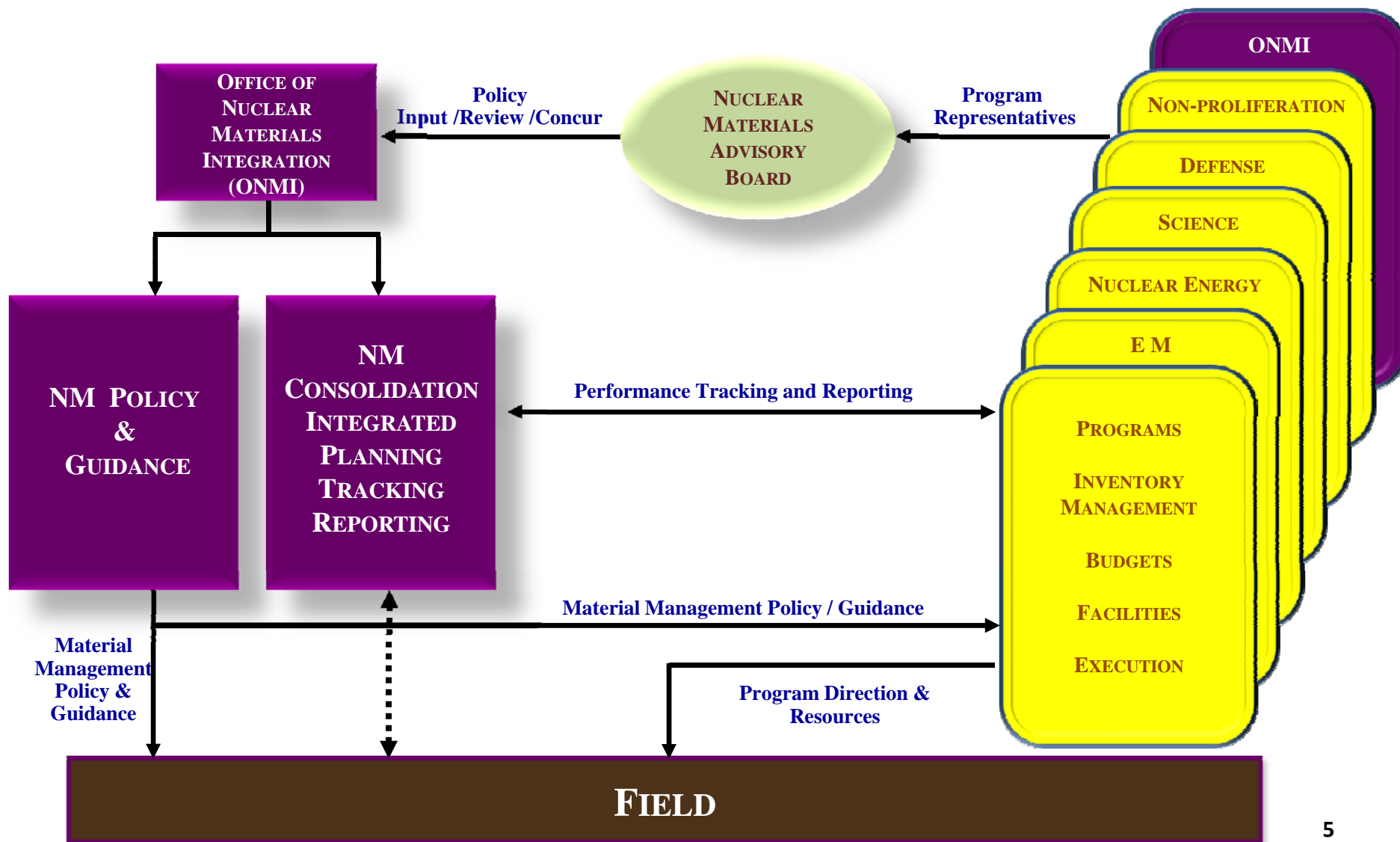
POLICY

STRATEGY

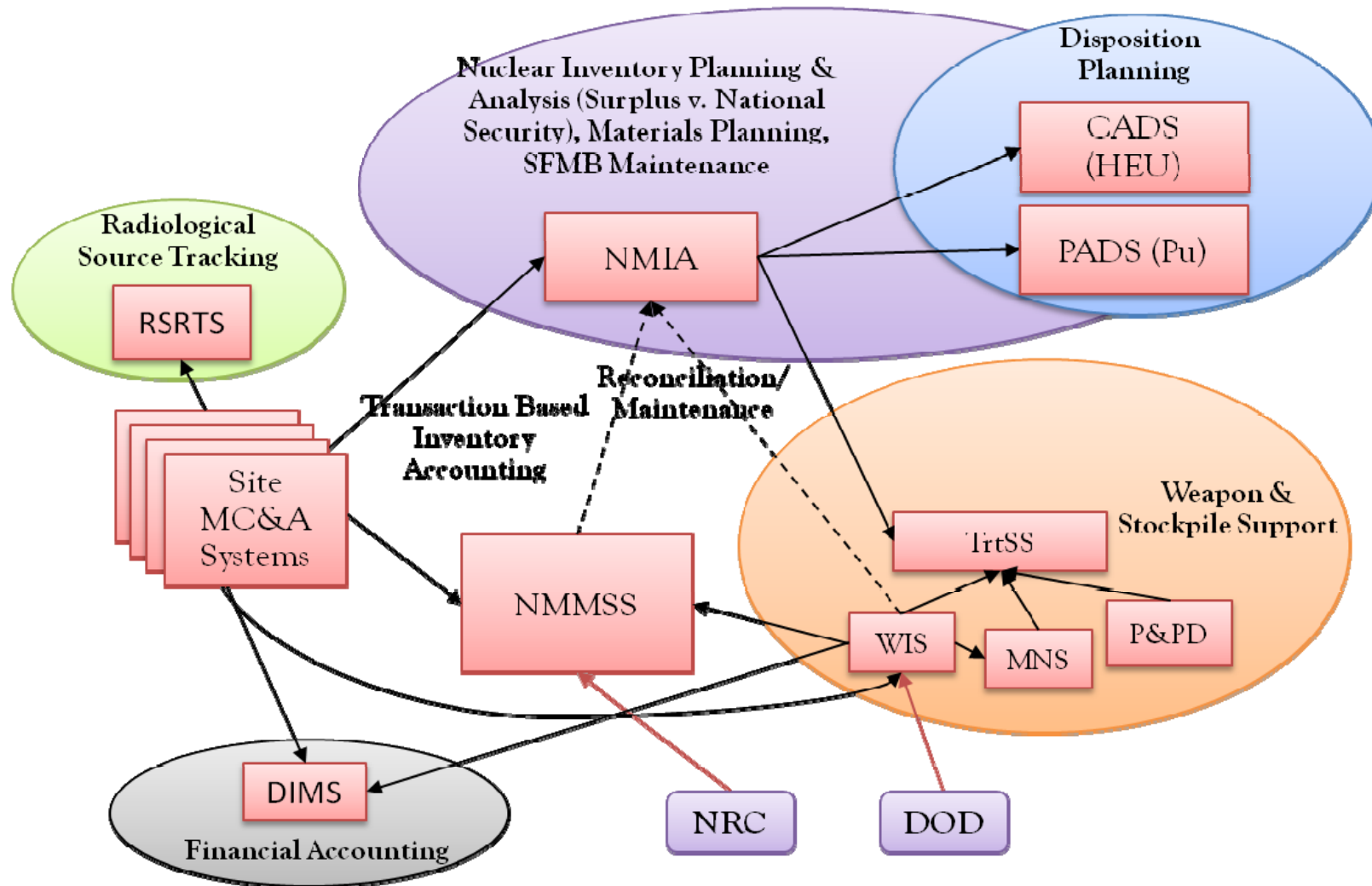
Nuclear Materials Integration makes ties to

STRENGTHEN THE ENTERPRISE

MATERIAL MANAGEMENT FRAMEWORK



NUCLEAR MATERIAL ACCOUNTABILITY SYSTEMS



NUCLEAR MATERIALS STRATEGIC PLAN



- **Entering a new era**
 - new beneficial uses of isotopes
 - smaller federal nuclear complex
 - increased security requirements
- **Consolidating nuclear materials and disposing of excess**
- **Preserving rare, valuable isotopes**
- **Producing and supplying needed isotopes**

