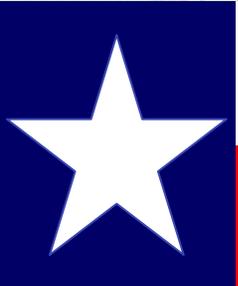


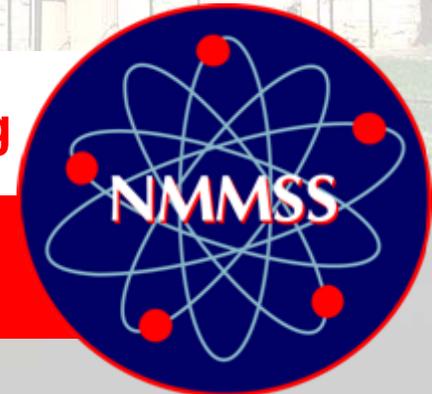
Quad Meetings & New Agreements for Cooperation

Jessica Norles
NAC International/NMMSS



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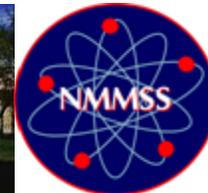
Overview

- Background
 - Agreements for Cooperation
 - Administrative Arrangements
- Quad Meeting Agenda
 - Harmonization
 - New Agreements



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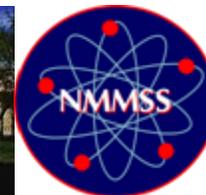


Agreements for Cooperation

- Currently Agreements for Cooperation (123 Agreements) with more than 40 countries (Euratom Agreement includes all member states of the EU), IAEA and Taiwan
- Agreements must comply with Section 123 of the U.S. Atomic Energy Act of 1954 as amended, which authorizes Agreements for Cooperation in the Peaceful Uses of Nuclear Energy
- Provisions are similar among agreement entities but not the same; agreements are negotiated by State Department and administered by Department of Energy NNSA NA-243
- Provides the legal framework for transfers of material and equipment.
- Agreements include nonproliferation conditions (safeguards, no explosive use, physical protection, consent rights)

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U.S. Bilateral Agreement for Peaceful Nuclear Cooperation Pursuant to Section 123 of the U.S. Atomic Energy Act of 1954, As Amended

- **Current Agreements in Force:**

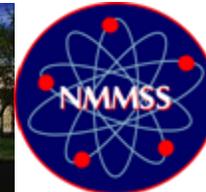
- Argentina
- Australia
- Bangladesh
- Brazil
- Bulgaria
- Canada
- China
- Columbia
- Egypt
- European Atomic Energy Community (Euratom)¹

1. Euratom comprises the following Member States: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, and the United Kingdom.



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U.S. Bilateral Agreement for Peaceful Nuclear Cooperation Pursuant to Section 123 of the U.S. Atomic Energy Act of 1954, As Amended

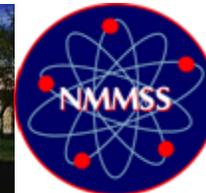
• Current Agreements in Force (Continued):

- Indonesia
- Japan
- Kazakhstan
- Korea, Republic of
- Morocco
- Norway
- Romania
- South Africa
- Switzerland
- Thailand
- Ukraine
- International Atomic Energy Agency (IAEA)
- Taiwan²

2. Pursuant to Section 6 of the Taiwan Relations Act, P.L. 96-8, 93 Stat. 14, and Executive Order 12143, 44 F.R. 37191, all agreements concluded with the Taiwan authorities prior to January 1, 1979 are administered on a non-governmental basis by the American Institute in Taiwan, a non-profit District of Columbia corporation, and constitute neither recognition of Taiwan authorities nor the continuation of any official relationship with Taiwan.

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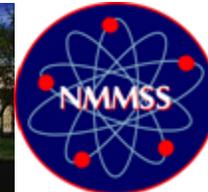
Foreign Obligations

- Items subject to an Agreement for Cooperation are “obligated”
- Can be multiple obligations on material
- Peaceful Uses Assurances are sought and granted on items subject to the Agreement; official government to government notice
- Detailed transaction information submitted by facility to NMMSS



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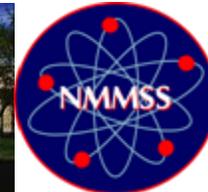
Administrative Arrangements

- Set forth provisions and measures for the application of the agreements
- Department of Energy negotiates and implements administrative arrangements to the agreements
- Office of International Regimes & Agreements administers the agreements for DOE



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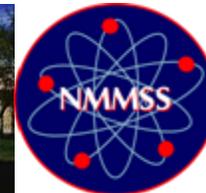


Administrative Arrangements cont'd

- Formal Administrative Arrangements for countries with whom there are frequent need for consultations and significant transfers
 - Australia
 - Euratom
 - Canada
 - Switzerland
 - Japan (through diplomatic channels)
 - Others conducted on an as needed basis.

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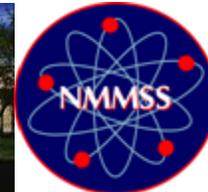
Reporting

- As set forth in each Administrative Arrangement (AA) to the Agreement for Cooperation
- Requires periodic (weekly, monthly, quarterly, semi-annually, annually) reporting on all imports, exports, retransfers of nuclear material subject to the agreement
- Direct import/export activity as well as transfers of foreign obligations
- All activity reported to the foreign governments originates from 741 transaction data submitted to NMMSS



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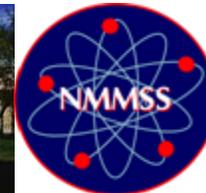
Annual Inventories

- All agreements require parties to produce inventories when requested
- Agreements with Australia, Canada, Euratom, Japan, and Switzerland require annual exchange of inventories
- Content and timing of required reports are agreed to between the foreign agreement entity and the US Government; requirements are reciprocal



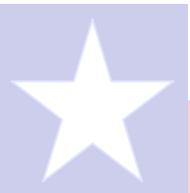
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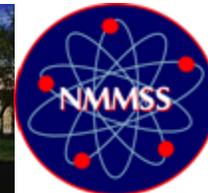
Annual Inventories cont'd

- Annual inventory reports to different countries require different levels of detail. Some to the transaction by transaction level; some country as a whole
 - Japan: 69 page report
 - Euratom: 1 page report
- Reconciliation with foreign countries occur throughout the year on individual transactions as well as on annual inventories



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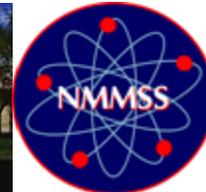
Quadripartite Group

- Initiated by DOE to periodically meet with representatives from Australia, Canada, and the European Commission to discuss issues related to their respective Agreements for Cooperation
- Goal is to streamline nuclear material reporting and obligation tracking issues among the four Governments



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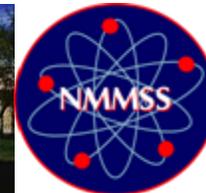


Quadripartite Group cont'd

- Initial meeting held September 2007 in Vienna, Austria
- Most recent meeting held January 2008 in Washington, DC
- Participants
 - U.S. Department of Energy
 - U.S. Department of State
 - Nuclear Regulatory Commission
 - NMMSS
 - Australian Safeguards and Non-Proliferation Office
 - Canadian Nuclear Safety Commission
 - European Commission

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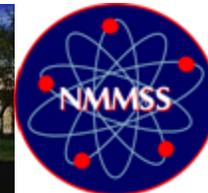
Harmonization

- Obligations
 - Each party presented how it tracks foreign obligations with emphasis on Industry and Government roles
 - Placement of obligations on material through ‘contamination’ by equipment transferred under another agreement
- Harmonization of Data Fields
 - Feasibility and desirability of harmonizing the data fields of all required national forms/submissions (US-741, Canada-59, etc..)



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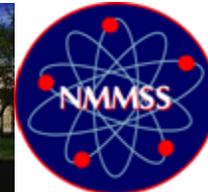
Harmonization cont'd

- Timing Issues and Notifications
 - Share information on requirements, including third party requirements
- Common Identifiers
 - Establish common identifiers to assist with the matching shipments and receipts with notifications (ie. Batch ID)
- Terminology
 - Review terminology in annual inventory reports



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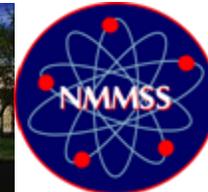
New Agreements

- India
 - Not yet in force
- Russia
 - Russia Agreement has been submitted to Congress for required 90 day review period
- Quad members discussed allowing third party requests for information on obligated material



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Results

- Each Quad member will provide to others its:
 - Obligation Codes
 - IAEA MBA Codes
 - Facility Codes
- IAEA MBA codes to be cross-referenced with NMMSS RIS Directory (D-15); will ensure accurate reporting
- Next meeting planned for mid 2008



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