

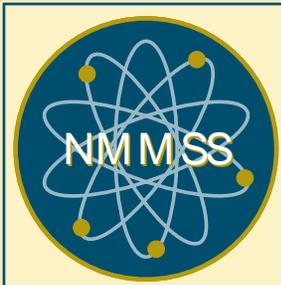
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International Reporting – Country Reporting

Michelle K. Romano
International Team Leader

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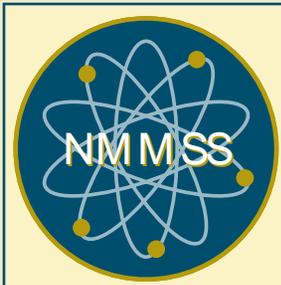
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International Reporting

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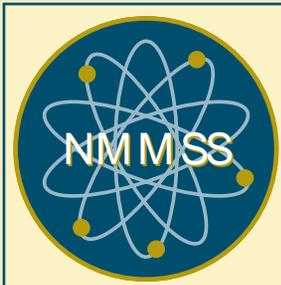
- Country Reporting
- Bilateral/Trilateral Agreements for Cooperation with Individual Countries or Groups of Countries
- IAEA Reporting
- International Atomic Energy Agency
- Vienna, Austria
- INFCIRC/288
- INFCIRC/207



Bilateral Agreements

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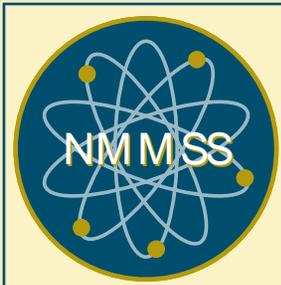
- Pursuant to Section 123 of the Atomic Energy Act
- Definition of an “Agreement for Cooperation”, a Bilateral Agreement in the Peaceful Uses of Nuclear Energy
- Allow the U.S. to trade nuclear material and equipment with foreign countries
- Requires periodic reporting



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.

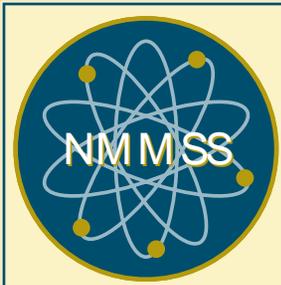


U.S. Bilateral Agreement for Peaceful Nuclear Cooperation Pursuant to Section 123 of the U.S. Atomic Energy Act of 1954, As Amended (Continued)

- **Current Agreements in Force (Continued):**

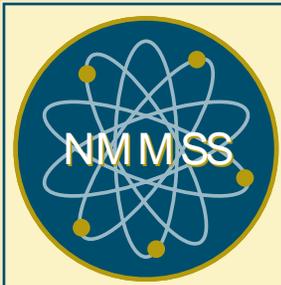
- Indonesia
- Japan
- Kazakhstan
- Korea, Republic of
- Morocco
- Norway
- Romania
- South Africa
- Switzerland
- Thailand
- Ukraine
- International Atomic Energy Agency (IAEA)
- Taiwan²

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.

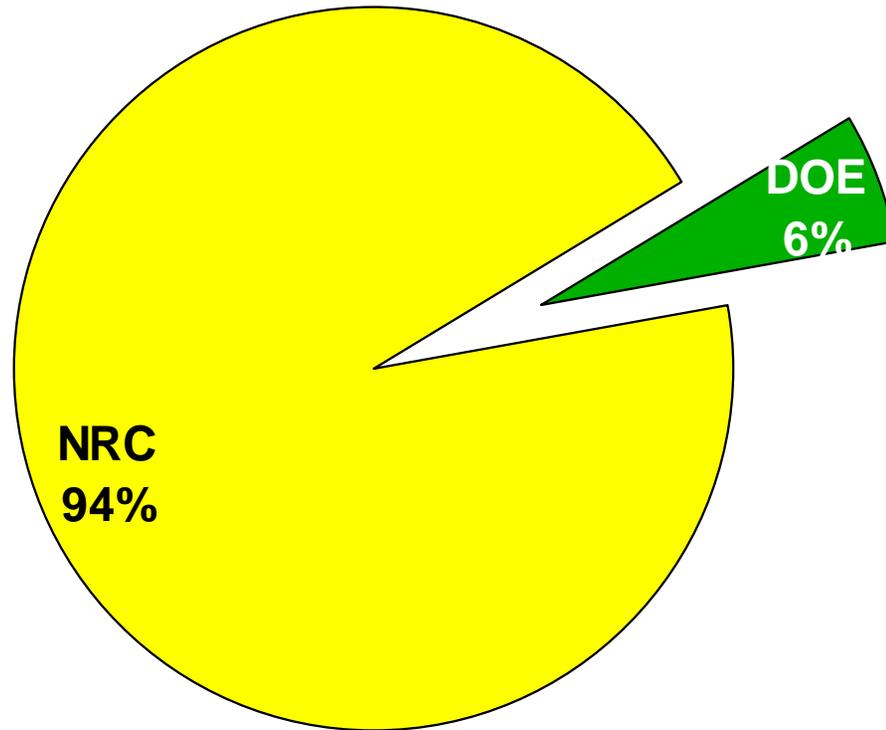


Reporting

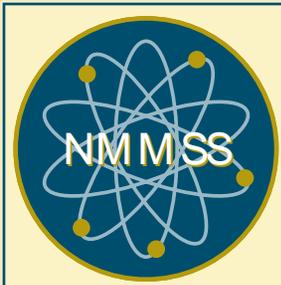
- As set forth in each Administrative Arrangement (AA) to the Agreement for Cooperation
- Requires periodic (weekly, monthly, quarterly, semi-annually, annually) reporting on all imports/exports/retransfers of nuclear material subject to the agreement.
- Direct import/export activity as well as transfers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



Where are the Foreign Obligations?



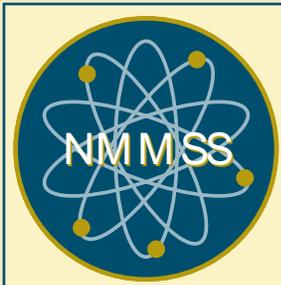
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Imports and Exports

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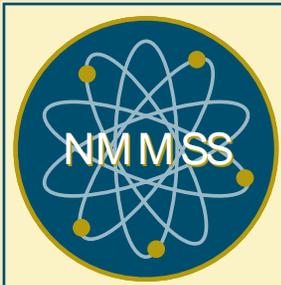
- NMMSS contains data on exports and imports dating back to 1950
- Currently, about 2,100 imports are received annually by about 20 US importing facilities
- Currently, about 2,600 exports are made annually by about 30 exporting facilities



Imports and Exports

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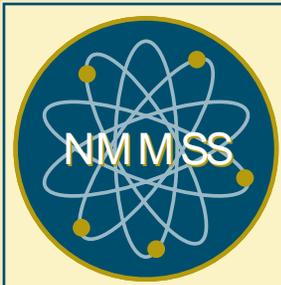
- Most imports are
 - Natural uranium to conversion and enrichment plants
 - Enriched uranium to fuel fabrication plants
 - Former weapons grade uranium from Russia to USEC from materials used by the former Soviet Union
 - Return of spent fuel from foreign research reactors
- Most exports are
 - Enriched uranium
 - Natural uranium
 - Fabricated fuel assemblies



Facility Reporting

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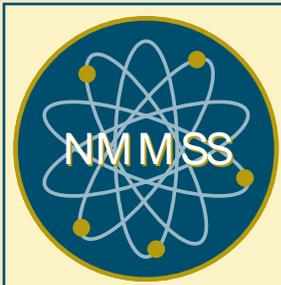
- Transactional reporting (DOE/NRC Form 741)
- Material Balance Reporting (DOE/NRC Form 742 Part B)



International Reporting

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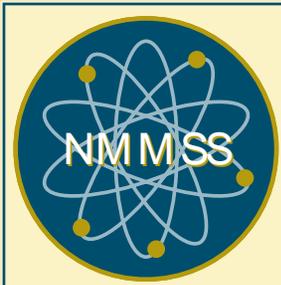
- Two Categories of Reports
 - Submissions to the International Atomic Energy Agency (IAEA)
 - Submissions to foreign government entities under Agreements for Cooperation; entities of Current Importance to NMMSS reporting are
 - Australia
 - Canada
 - Euratom
 - Japan
 - People's Republic of China
 - Switzerland
 - Russia, for former Soviet Union Weapons Material
 - Argentina
 - Brazil
 - Chile



International Reporting

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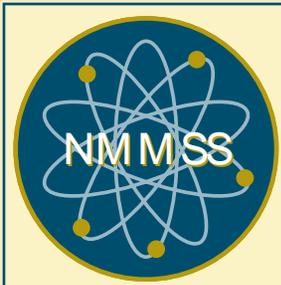
- Content and timing of required reports are agreed to between the foreign agreement entity and the US Government; requirements are reciprocal
- Provisions are similar among agreement entities but not the same; agreements are negotiated by U.S. State Department, maintained by U.S. Department of Energy NNSA NA-243.
- Foreign obligation data submitted by US facilities to NMMSS is provided in reports to DOE NNSA for forwarding to the foreign government agreement entity



Reconciliation

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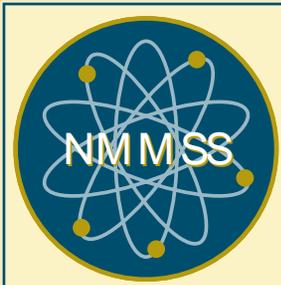
- Annual reconciliation occurs for all foreign obligated balances in the U.S. by facility. MBR Part B (or equivalent) reconciled once/year.
- IA-OBL-05 report
- Reconciliations with foreign countries occur throughout the year on individual transactions as well as on annual inventory reports.



Current Issues

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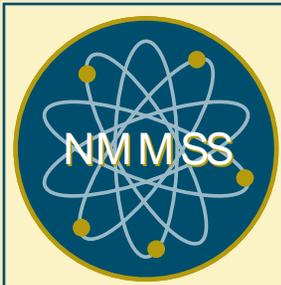
- Agreements for Cooperation Reports
 - Some data submissions to NMMSS on imports, require explanations to the foreign government entity (late, absent, different obligations, or large s/rds)
 - Annual reports to different countries require different levels of detail. Some to the transaction by transaction level; some country as a whole.
 - Japan: 54 page report
 - Euratom: 1 page report



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Current Issues (Continued)

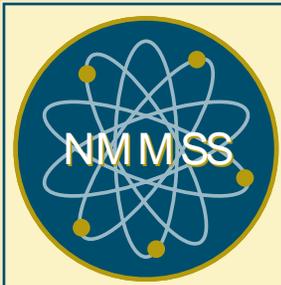
- No final decision on foreign obligation classification. Data classification criteria need to be formalized and approved by DOE.
- Working on timeliness. New software at NMMSS helps, transit matching helps, reconciliation helps, NMMSS confirmation receipt of transmission helps.



Any New News for U.S. Facilities?

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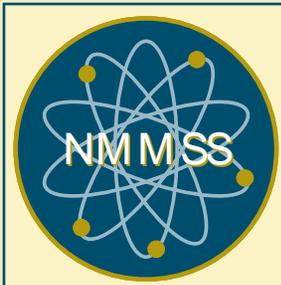
- Euratom Annex IA (Prior Notification of Intended Transfer) change. Part B provides the shipping date and mass. Part A provides all other information.



News Continued

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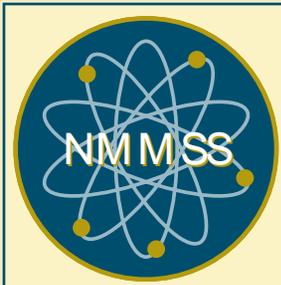
- Increase in import of obligated equipment – since foreign obligation implementation 10/1/2003: Japan (6) and Canada (1) reactor vessel closure heads.
- Since 10/1/2003: 6 new transactional and material balance codes created. **All** for Japanese “layers” of nuclear material used in or produced through the obligated equipment.



News Continued

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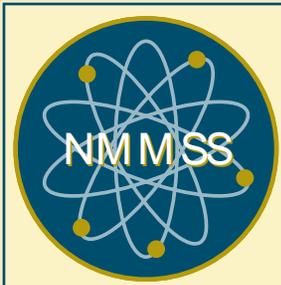
- At present 2 new Canada “layered” codes are being created for availability for use in reporting transactions and Material Balance Report Part B.
- Since 10/1/2003: 10 countries added to the European Community, all 25 now considered Euratom.



News Continued

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- At present, 3 new codes are being created for Argentina, Brazil, and Chile. These will be available for 741 and 742 reporting as well.
- Increase in the U.S. reciprocal reporting
- All current codes updated on www.NMMSS.com



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Important Information

- NMMSS website www.nmmss.com
- DOE Facilities - Bill Benton, 301-903-1150, Bill.Benton@hq.doe.gov
- NRC Facilities - Pat Tana, 301-415-8105, pmt@nrc.gov
- Michelle Romano 678-328-1112, mromano@nacintl.com