



Accountability
Performance
Accuracy

The Nuclear Materials Management Safeguards System

NMMSS

2016

Annual Users Training Meeting

May 9-12, 2016 | New Orleans, LA

NRC Licensee and DOE Facility Reconciliation: Tips for Successful Reporting

John Ballard
Mary McConnell
Link Technologies



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Outline

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- The NMMSS process
- Best practices
- Tips for success
- Resources
- Facility performance

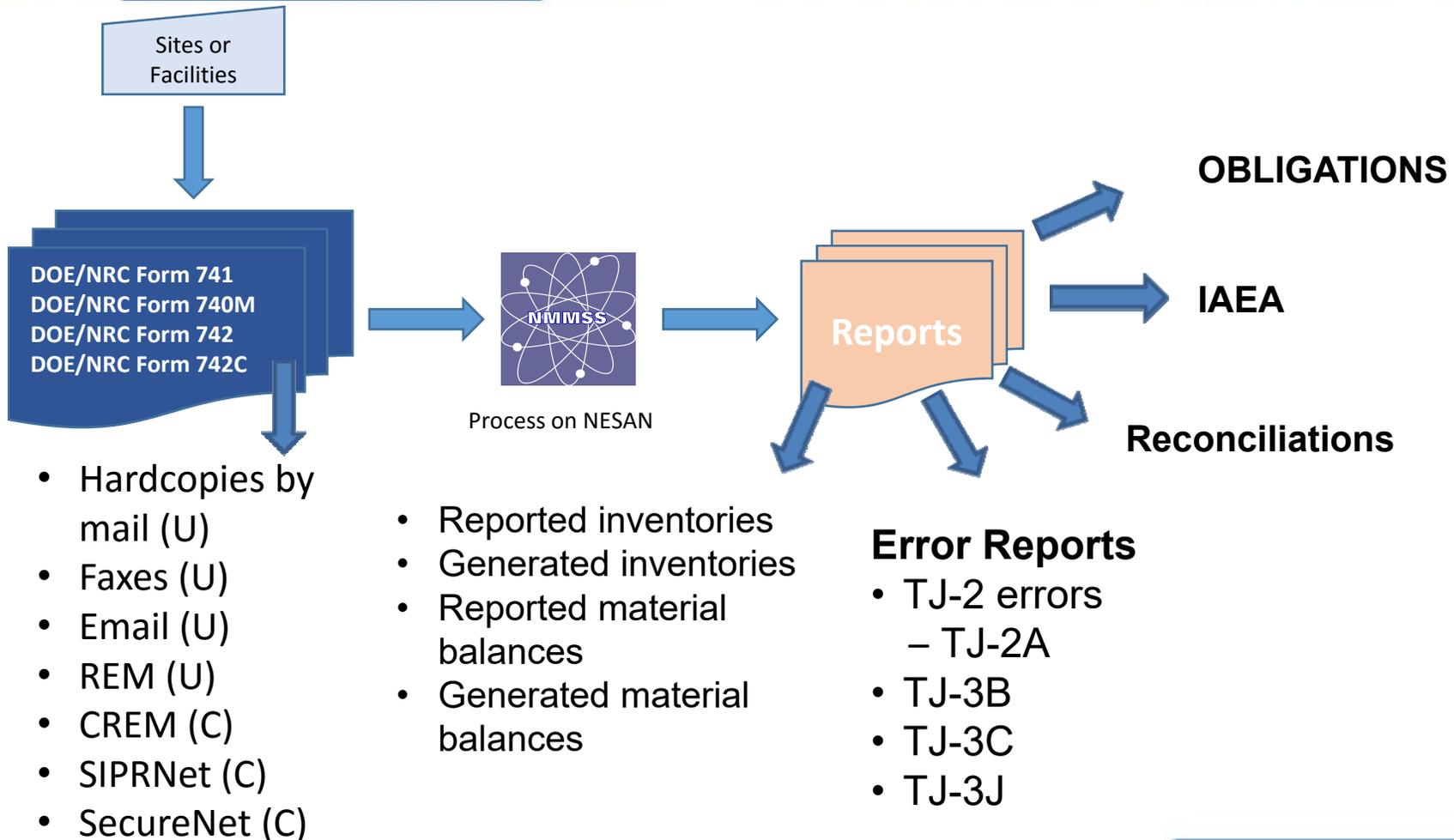


NMMSS Flow of Data

(Generic Depiction of Data Flow)

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Best Practices

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- Report data electronically, not paper or faxes
- All shipments and receipts reported
- All corrections reported
- Decay reported
- Normal Operating Loss reported
- Rounding reported
- All data reported is within the reporting period



- ***If in doubt, please contact NMMSS about the following:***
 - How to complete transactions, inventory, and material balance
 - Next transaction number in the series
 - Is the month ‘open’ or ‘closed’
 - Request reports
 - Find a Reporting Identification Symbol (RIS) for a site
 - RIS contact information

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NMMSS Contact List

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NMMSS Points-of-Contact for Assistance

Name	Topic	Phone	Email Address
Karen Antizzo	IAEA Reporting	(301) 903-0872	Karen.Antizzo@nnsa.doe.gov
Elaine Beacom	Foreign Obligations	(301) 903-1328	Elaine.Beacom@nnsa.doe.gov
Carl Berger	Data Processing	(301) 903-3656	Carl.Berger@nnsa.doe.gov
Mitch Hembree	Special Requests	(301) 903-6299	Mitch.Hembree@nnsa.doe.gov
Gary Hirsch	DOE/NNSA Reconciliation	(301) 903-6870	Gary.Hirsch@nnsa.doe.gov
Mark Huffman	NRC Reconciliation	(301) 903-0236	Mark.Huffman@nnsa.doe.gov
Mary McConnell	NRC Reconciliation	(301) 903-6240	Mary.McConnell@nnsa.doe.gov
Ali Tabatabai	Issues/Suggestions	(301) 515-9654	Ali.Tabatabai@hq.doe.gov





■ Report with Electronic files (XML)

- Improve accuracy and timeliness
- Reduces manual input errors
- Options
 - SAMS Software 8.0
 - Fillable Forms
 - Generated examples of XML
- Guidance provided in NMMSS D-23 and D-24

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Physical Inventory Reporting DOE

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- Use September 30 reporting date for annual reconciliation
- Use valid Project numbers
- Use valid composition codes
- Missing lines
 - Total lines for each material type
 - Detail lines not equal to total (899) line





- Detail lines on PIL (form 742C) must equal the 899 (total) line for each material type
- Valid composition codes must be used per NUREG/BR-0007
- Multiple material types may be reported on the same 742C form
- Make sure the inventory totals (899 lines) match Material Balance Report (Form 742) totals



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Physical Inventory Reporting NRC (Continued)

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- Licensees that possess government-owned “G” material are asked as part of their Inventory submission
 - To confirm the continuing need for government-owned materials in their possession
 - To identify any excess government-owned materials
 - Licensees who wish to return excess government-owned material, please contact Pete Dessaulles



- Make sure correct dates are reported
 - *First date of reporting period must be one day AFTER ending date of last period*
- Make sure the correct material types are reported
 - *Reportable material types per the NUREG only*
- All activity during the period reported on material balance form 742
- Inventory totals must be the same on Physical Inventory Listing (form 742C) and Material Balance Report (form 742)

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Foreign Obligations DOE

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- Remember to verify ending totals on an IA-OBL-05 report with U.S. facility cumulative obligation balances



- Make sure section “B” of the 742 form is completed correctly
 - Foreign-obligated materials must be reported

- Request NMMSS Reports
 - Daily reports with transaction activity
 - Final NMMSS reports after monthly NMMSS closing
 - Preliminary reports prior to reconciliation
 - Compare facility books to NMMSS books
before submittal

■ NMMSS Reports

- TJ-1X – Daily Transaction Activity by facility
- A-200 – Shows any differences for DOE owned “G” material at U.S. facilities
- A-210 – Material balance by Project number (DOE)
- M-742 – Material balance report
- M-742A – Material balance report by action date
- TJ-45 Transactions
- TJ-23 Transactions (Closed months)
- IA-OBL-05 – Foreign obligation balance



Keep contact information up to date

- Update D-2 (DOE) and D-3 (NRC) Directory Information
 - Contacts (phone number, email address)
 - Facility name
 - Mailing address
- New D-2, D-3, D-15



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Resources

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■ NMMSS Website

www.nnsa.energy.gov/nmmss

- Forms
- DOE Order
- NUREGS
- NMMSS User Guide
- NMMSS Staff Contacts
- User Annual Training
- NMMSS Training Classes
- NMMSS Newsletter



■ NMMSS Newsletter

- Located on the NMMSS website
- Articles of interest
 - *Facilities are welcome to submit articles or lessons learned*
- NMMSS Training class schedule
- User Training Meeting Registration
- Website Updates
- Transaction/Inventory Due Dates for DOE sites

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Facility Performance

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- Facilities are doing a great job
- All DOE sites reconciled on December 3, 2015
- Over 300 NRC Licensees were reconciled in 2015



- Call NMMSS for help before you submit
- Request reports
- Report using XML files
- Attend training
- Routinely notify NMMSS of your site contact information

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QUESTIONS?

