

# NMMSS 2011

Users Annual Training Meeting



San Diego, CA  
May 17-19, 2011

Accountability

Accuracy

Compliance

## **NMMSS Data Submission Methods 2011 Update - NRC**

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**National Nuclear Security Administration (NNSA)**  
**(On detail from DOE/HSS)**

# Data Submission Methods

## ■ Classified

- Mail, Fax (changed Fall 2010)
- Bulletin Board System (going away, 1 current user)
- E-mail
  - SecureNet, SIPRNET
- SIMEX (going away 10/1/11)

## ■ Unclassified

- Mail (changed Fall 2010)
- Fax (changed Fall 2010)
- Bulletin Board System (Working to replace dial-up with web-based)
- Encrypted e-mail



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# Mail and Fax for Germantown

- Call if you need the classified address or fax number
- Unclassified Mail
  - Xavier Ascanio
  - Director, Office of Nuclear Materials Integration
  - U.S. Department of Energy
  - NMMSS Program, NA - 73, Germantown Building
  - 1000 Independence Ave, SW
  - Washington, DC 20585
- Check website to confirm mailing address
  - <http://www.hss.doe.gov/nmmss>
- Mark packages – Media Enclosed Do Not X-Ray
- Call NMMSS staff if you have questions



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# NMMSS Staff Contacts

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# Challenges with Data Submissions Systems

- Big picture - reducing costs and increasing operational efficiency
- Lesser matters - updating mailing addresses; surface and e-mail
- Primary challenges still information technology (IT) and cyber security related



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# Past IT and Cyber Security Challenges

- Approval of security plans and interconnection Agreements
- Getting classified systems to talk to each other through STE modems
- Getting bulletin board system software and connections to work
- IT and cyber security responsibilities functions shared with remote facilities



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# Major Challenge for Year Ahead

- Replacing unclassified bulletin board system
- Replacement software and system is fully functionally tested
  - Need NNSA web server to host it on
  - Cyber security approvals
    - 2-factor authentication or waiver of requirement
    - Transition to NNSA approving authority



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# Drivers for 2- Factor Authentication

- 12/16/03, Office of Management and Budget (OMB) Memo, E-Authentication Guidance for Federal Agencies
- 2/3/11, OMB Memo, Common Identification Standard for Federal Employees and Contractors
- Company sensitive data, other potentially unclassified sensitive data



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# OMB Memo

## 12/16/03

- E-authentication guidance
- Level of authentication assurance
- Impact categories, e.g.
  - Harm to agency, public interest
  - Financial loss to any party
  - Release of sensitive Information
- Impact levels low, moderate, high, or n/a

- Homeland Security Presidential Directive 12 (HSPD-12), August 27, 2004
- Policy for a Common Identification Standard for Federal Employees and Contractors
- Government-wide standard for secure and reliable forms of identification issued by the Federal Government to its employees and contractors
- Enhance security, increase government efficiency, reduce identity fraud, and protect personal privacy



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# OMB Memo

## 2/03/11

- Continued Implementation of HSPD-12
- Expedite . . . full use of the PIV credentials for access to federal facilities and information systems
- Personal identification verification (PIV) Credentials
  - Means smart cards
  - HSPD-12 badge for federal employees and contractors



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# Two 2-Factor Authentication Using Smart Card

- Card reader, middleware, and credential
- Federal employees and contractors can use HSPD-12 badge as credential
- System setup; approval to operate.
- Possible implementation depends on how DOE/NNSA proceeds with overall use of smart cards for remote login



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## NRC Users

- Federal employees and contractors can use HSPD-12 badges
- NRC licensees typically, don't have HSPD-12 badges
- Need alternative credentials



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# Possible Alternatives for NRC Licensees

- DOE/NNSA NMMSS issued credentials/smart cards
- Commercial credentials
- NRC may have other ideas
- Request waiver for NRC users



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# Summary

- Mailing addresses changed Fall 2010
- Call NMMSS if you have any questions about mailing
- Working toward replacing unclassified bulletin board system with web-based system
- Considering
  - PIV smart card system/card reader system for two factor authentication
  - Or requesting waiver of requirement
- Will keep you informed through the newsletter