

**NMMSS Users Annual Training Meeting**  
**Orlando, Florida—May 23-25, 2006**  
*Sponsored by the U.S. Department of Energy &  
the U.S. Nuclear Regulatory Commission*

# **American National Standard Institute**

## **ANSI - N15.8**

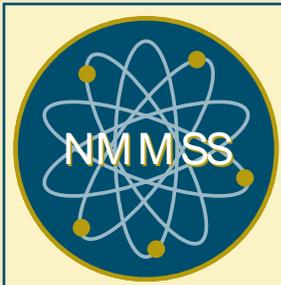
### **Regulatory Guide 5.29**

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# **Special Nuclear Material Control & Accounting Systems for Nuclear Power Plants**

**Presenter**

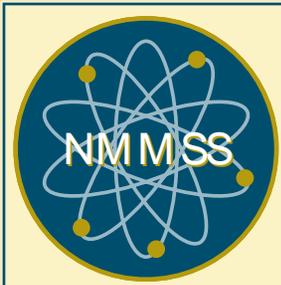
**Frank Fresella**



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# Prior Actions 2005 User Meeting

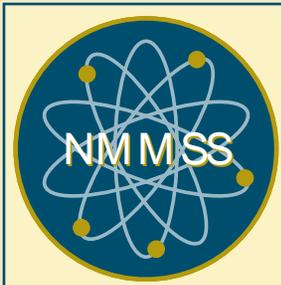
- **Initiated the NMMSS community to ANSI N15.8 revision campaign**
- **Discussed the bases & boundaries surrounding the expected revision**
- **Gain a pulse from the NMMSS community on what the revision team should consider {Brainstorming Session}**



# Actions To Date

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- ❑ Summarized brainstorming results
- ❑ Established a revision committee
- ❑ Individually developed & submitted revision drafts
- ❑ Conducted the first collective working session in March @ NRC HQ {Represented: NRC, DOE, ANSI staff, NEI, & Power RX Licensees’}

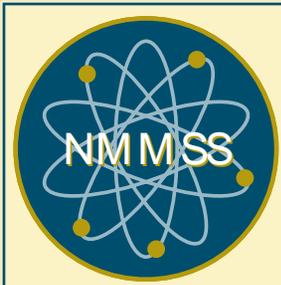


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# Current Status

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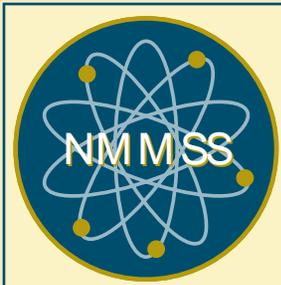
- ✓ **A writers group was formed**  
{Alternates Welcome}
- ✓ **NRC – Martha Williams is**  
**Committee “Chair” person**
- ✓ **The NRC has packaged our**  
**collective draft** {~75% Agreement}
- ✓ **Next session tentatively July 2006**



# First Session Learning's

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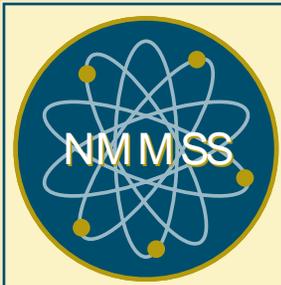
- **Consensus is challenging!**
- **Spanning a 30 year revision gap while staying as close to the vest as possible is rough {Trying to avoid prolonged approval process}**
- **References are out {E.I. 10CFR, NUREGS}**
- **Keep an open mind - this is a standard** {typically excepted guidance, not law}



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- **NRC / NEI Bulletin 2005 – 01**  
**clarification memo “hot topic”**  
{Current interpretations – tamper seal it, or  
weld it shut, or inventory it every year}!
- **“Defenses in depth” still alive but barely!**
- **Jury still out on - credit taken for physical inventories other than on the 12 month “action date”** {If tamper seals used then no issues}!



# ANSI - N15.8 {Draft}

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- **Present current draft if allowable**
- **Draft notables:**
  1. Use of “SNM” term verses “nuclear materials”
  2. Expanded Definition section
  3. “ALARA” conditions considered
  4. Physical Inventory description changed {serial #, piece counts, tamper seals }
  5. Tamper-indicating devices advocated
  6. “Fuel element” expanded (added pellets)
  7. “Corrective Action Program” advocated