31st Meeting of the Transport Safety Standards Committee

2-6 November 2015

Agenda Item

NST044 Security of radioactive material in transport (Revision of NSS No. 9) (Implementing Guide)
(also to NSGC and RASSC)

_Stig Isaksson_
Senior Nuclear Security Officer
Consultants’ Group for Document Revision

- Member States:
  - Belgium
  - France
  - Germany
  - Philippines
  - Russian Federation
  - United States of America

- Organizations
  - International Source Suppliers and Producers Association (ISSPA)
  - World Nuclear Transport Institute (WNTI)
Timeline for Document Revision

- Jan 2014  Full CM
- Jun 2014  TM, one half day session to discuss main considerations
- Jul 2014  Full CM
- Jan 2015  Limited group to ensure consistency with NST048
- Jul 2015  Full CM
- Aug 2015  Internal coordination with NSRW (Transport Safety Unit) and Incident and Emergency Centre
What is the scope?

- Guidance for competent authorities, shippers and carriers
- Support implementation of recommendations from NSS No. 13 and 14
- Security of all radioactive material in transport
  - Security measures only due to the radioactive properties of the material
- Could serve as a basis to revise the UN Model Regulations (the “orange book”)
Document Content and Structure

- New guidance on NSS 14 recommendations
- Existing NSS 9 guidance has been retained and expanded as appropriate
- New structure based on the structure of NSS 14 and NSS 26-G
- Consistent with UN Model Regulations
  - Number of security levels (basic and enhanced)
Major Issue: Consider security-based categorization of radioactive material

- Current categorization is a suitable starting point for establishing security levels
- CM agreed that primary users of NSS 9 are States in the process of establishing regulations for the security of radioactive material in transport
- NSS 9 in use since 2008 and many States have established or are establishing regulations based on existing framework
- Recommendation not to propose change to the existing categorization
Comments received by 29 Oct

- NSGC members, 56
- TRANSSC members, 92
- RASSC members, none

- Approved by NSGC on 4 November to be submitted to MS for 120-days comment period in parallel with NST048
- To be presented for RASSC later today
Resolution of Comments from TRANSSC: Majority Accepted

- Received from:
  - Canada
  - France
  - Hungary
  - Spain
  - Switzerland
  - IATA

- Majority were editorial corrections and proposals to clarify paragraphs
Resolution of Comments from TRANSSC: Not Accepted

- Change the definition of the activity threshold for “high consequence” radioactive material, enhanced security level, to only use D-values
- The existing definition has been recommended/applied since 2008 (NSS 9)
- Consistent with UN model regulations
- Comment should be addressed during 120 day comment period with detailed justification
Resolution of Comments from TRANSSC: Not Accepted

- Delete additional guidance with examples on prudent management practices
- Specifically requested by many MS, in particular those developing a transport security legal framework. What constitutes PMP?
- Also excepted packages represent a value (is an asset) and is already being protected
- Text will be reviewed to ensure graded approach before sending to MS
Resolution of Comments from TRANSSC: Not Accepted

- Delete basic security level guidance on
  - Evaluation and exchange of security related information
  - Protection of security sensitive information
  - Trustworthiness determination
- Mostly existing guidance from NSS 9
- Further elaborated to be more useful
- Text will be reviewed to ensure graded approach before sending to MS
Committee Reviews of Draft

- **Coordination Committee** July 2015
- **NSGC** 2-6 Nov 2015
- **TRANSSC** 2-6 Nov 2015
- **RASSC** 2-6 Nov 2015
- **CSS** Nov 2015
For TRANSSC Decision:

- The Secretariat is seeking your clearance to:
  - Submit the draft NST044 to Member States for the official 120-day comment period
## Timeline (revised)

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• Thank you for your attention!