
Report to EPreSC 5 meeting - Overview of the work done and the way forward

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Technical Meeting Structure

Session 1: Opening
Session 2: Development of the Safety Guide
Session 3: Introduction of the first draft
Session 4: Overview of related activities
Session 5: Sharing past experiences
Session 6: National arrangements
Session 7: Review of the first draft
Session 8: Sharing past experiences
Session 9: Outcomes
Session 10: Closing of the meeting
Objectives of Technical Meeting

• To present the first draft of DS469
• To gather feedback and input during SPESS Step 5

• Methodology:
  – Consensus building
  – No votes / approval / clearance
Structure of DS 469

1 Introduction
2 National arrangements and framework
3 Preparedness and response elements
4 Consideration for modes of transport
5 Interface with nuclear security

Appendix I Consideration for the emergency response when a nuclear event is confirmed to be an initiating event

Appendix II Considerations for developing a national capability
Structure of DS 469

Appendix III  Types of emergency during transport
Appendix IV  Postulated events and potential consequences for the hazard assessment

Annex I  Example event notification form
Annex II  Sample emergency instructions
Annex III  Template for the ‘carrier and consignor emergency plan’

Contributors to drafting and review
Work done (1)

- TM was attended by 62 participants from 44 Member States, international organizations, and non-governmental organizations

- Comments received from:
  - Governments
    - Technical organizations
    - Civil protection / disaster management organizations
  - Regulatory bodies
  - Technical Support Organizations
  - Consignors and carriers
  - Emergency response organizations
Work done (2)

- The detailed review of all sections, annexes and appendices of the DS 469 was completed

- Direct edits were provided as well as concepts to be updated by the writing team
Outcomes and conclusions

• The meeting participants welcomed the current draft DS469 as a revision of TS-G-1.2
• The draft DS469 fully meets the intent of the Document Preparation Profile (DPP). No missing aspects were identified.
• The meeting participants considered the current draft to be clearly written and comprehensive
• The meeting participants noted and welcomed that the current draft reflects past experiences and lessons learned from previous emergencies during transport of radioactive materials, other dangerous goods, and conventional emergencies
Outcomes and conclusions (1)

• Many countries identified the complexity associated with the implementation of the necessary technical and operational arrangements in the preparedness stage and the need to cooperate with many different organizations

  – The document was considered as good guidance to start or continue, as applicable, the necessary discussions at national level.
Outcomes and conclusions (2)

• The current draft accurately reflects a balance of preparing for emergencies during transport, while noting the requirements established in SSR-6 and the strong safety record of consignors and carriers worldwide.

• The current draft provides guidance and recommendations applicable to all Member States, while noting that the adoption and implementation of Member State plans and procedures may vary slightly.
Outcomes and conclusions (3)

• The writing team will continue to coordinate closely with the Technical Officers for other publications under development to ensure consistency, including:

  – DS495 (revision of SSR-6)
  – DS474 (Safety Guide on Termination of an emergency)
  – DS475 (Safety Guide on Communicating with the public)
  – NST004, NST050, nuclear security series publications and non-serial publications under development
  – Draft EPR series publication on Protection Strategy

• The meeting welcomed the addition of Section 5 on the interface with nuclear security
Outcomes and conclusions (4)

• The meeting requested that the writing team add specificity to sections related to the hazard assessment to reflect a practical and achievable methodology.

• The meeting requested that the writing team continue to coordinate with the International Maritime Organization (IMO) and the International Civil Aviation Organization (ICAO) to ensure linkages and consistency with relevant publications.
Outcomes and conclusions (5)

• The meeting recommended that the writing team consider adding a 7th scenario to Appendix IV which includes more significant radiological consequences following an accident during road transport of UF6

  – If this is adopted, the meeting suggested the writing team consider modifying the existing maritime transport scenario to consider a material other than UF6
Outcomes and conclusions (6)

• The meeting welcomed the demonstration of virtual reality (VR) equipment and scenarios for transport emergencies

• VR proved useful for gathering feedback on the draft safety standard by allowing meeting participants to apply the guidance and recommendations in a virtual environment

• The meeting participants encouraged further research into the application of VR in emergency preparedness and response
Way forward

• A meeting report is under preparation by the Meeting Chairperson (Eric Vial – France)

• The report will be sent to all meeting participants

• The report will be used to guide the future development of DS469 and as a reference point for the submission to the Safety Standards Committees
  – The report will not be publically published
Way forward (1)

• The writing team will take the actions identified and the meeting conclusions and continue refining the draft

• The draft will be presented to the Coordination Committee in Q1 2018 and the Safety Standards Committees in June 2018

• The draft document will then be submitted for 120-day Member State comments in Q3/2018
Thank you!