Nuclear Safety Standards Committee

41st Meeting, 21 – 23 June, 2016

Agenda item 2.2

Draft Safety Guide on Arrangements for the Termination of a Nuclear or Radiological Emergency (DS474)

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Background

- Safety Requirements No. GSR Part 7 (2015)

  - **Requirement 18**: Termination of an emergency (transition from an emergency exposure situation to an existing exposure situation or to a planned exposure situation)
Background (cont.)

- Safety Requirements No. GSR Part 3 (2011)
  - Section IV: Emergency exposure situation
  - Requirement 46: Transition from an emergency exposure situation to an existing exposure situation
• Safety Guide DS474 is intended:

• To provide guidance and recommendations in relation to respective Safety Requirements contained in GSR Part 7 and GSR Part 3

• To addresses the goal of emergency response (para. 3.2 of GSR Part 7):

  “To prepare, to the extent practicable, for the resumption of normal social and economic activity.”
Objective

• To provide guidance and recommendations to Member States on developing arrangements at the preparedness stage to respond to a nuclear or radiological emergency in relation to the transition to either an existing exposure situation, or to a planned exposure situation, as appropriate, and the termination of the emergency.

• Including objective and prerequisites for the termination of the emergency
Any nuclear or radiological emergency irrespective of the cause
History

- Document Preparation Profile (DPP) prepared
  - 1Q 2013
- DPP approved by review Committees
  - 3Q/4Q 2013
- DPP approved by Commission on Safety Standards
  - November 2013
- Drafting
  - 2014 – 2015
- First internal review
  - 1Q 2016
Activities taken

• 6 Consultancy Meetings (2014 – 2015)
  • 3 – 7 February 2014
  • 30 June – 4 July 2014
  • 15 – 19 December 2014
  • 09 – 13 March 2015
  • 15 – 17 July 2015
  • 27 – 31 July 2015

• Technical Meeting
  • 16 – 20 November 2015, Vienna
Ad-hoc Working Group on DS474

- Established in November 2014
  - To increase the involvement of international organizations
  - Under the framework of Inter-Agency Committee on Radiological and Nuclear Emergencies (IACRNE)
  - Comprises of representatives of 7 international organizations
- Consultations with relevant international organizations (throughout 2015)
Internal consultations

• Throughout the drafting process (2014-2015) with colleagues working in relevant areas such as:
  • Remediation
  • Radiation protection
  • Radioactive waste management
  • …
President’s Summary:

Recommendation 5: Developing international guidance for the transition phase

“During the Conference, it was recognized that there is a need for a holistic approach when implementing a protection strategy. Challenges and issues were raised regarding the lack of guidance for the termination of a nuclear or radiological emergency and the transitioning to recovery, including remediation.

I recommend that, to address this issue, the IAEA continue to develop guidance on the termination of a nuclear or radiological emergency and the transition to recovery, which should include guidance for adapting and lifting of protective actions.”
NUSSC Comments

• Total of 13 comments received by Iran and EC (6 Clarification, 7 Editorial)

• Resolutions:
  • 9 Comments were accepted (as proposed or with modification)
  • 4 Comments were rejected
NUSSC Comments (Cont.)

• Table of resolutions of comments and revised draft was made available early May

• To be shared:
  • Few relevant comments with focus on those that were rejected
Guidance on public communication

• DS474 does not provide guidance on public communication but the provision of information to the public in relation to the termination is very important. Expand the scope of DS474.

• **Response:**
  
  • DS475: addresses this topic in very details (in line with the approved DPP)
  
  • DS474: Approved DPP provided for interface with DS475
  
  • Provision of information to the public in relation to the termination is recognized as a prerequisite for the termination in para. 3.18 of DS474
Use of ‘systematic radiological monitoring’ instead of ‘individual monitoring’

• ‘Individual monitoring’ in the prerequisites to be changed to ‘systematic radiological monitoring’ so that it encompasses the health and psychological monitoring of the public

• **Response:**
  
  • Individual monitoring is established term in the IAEA Safety Standards Series and its use is consistent with GSR Part 7 and GSR Part 3
  
  • Provisions for mental health and psychosocial support are separately addressed in the specific prerequisites and in dedicated subsection in Section IV of DS474
Rejected comments

- Proposed deletion of some information as being superfluous
  - e.g. excluding the existing exposure situation after the emergency is declared ended from consideration on various aspects

- Response:
  - Kept for clarity as requested primarily by Member States (on various occasions such as the Technical Meeting) as well as during the internal review
Expected action

- Approval for submission to Member States and relevant international organizations for soliciting comments

Thank you for your attention!