8th Meeting of the Emergency Preparedness and Response Standards Committee (EPReSC)

25 to 27 June 2019 or June 25 2019
(Agenda Item Nr. 6.1)

Proposed revision of EPReSC Mid Term Plans for Development of Safety Standards and Guidance in EPR (Road Map)

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Incident and Emergency Centre / Department of Nuclear Safety and Security
Outline

1. Introduction
2. Status Update to Priorities
3. Discussion on proposed new SSs in EPR to be considered
4. Possible topics to be considered for development of new SSs in EPR
5. Proposal for discussion and detailed elaboration of the new EPReSC Road Map
Introduction

- After its creation in 2015, EPReSC was tasked to lead the development of different SSs dealing with EPR that were being developed or being started soon under the lead of other SSCs (DS474, DS475, DS469)

- EPR-2 discussed the need for GS-G-2.1 to be revised, to better support GSR Part 7

- EPReSC-3 tries to enlarge the mid-long term view and discussed on priorities for the development of SSs on EPR
  - Revision of GS-G-2.1 was agreed (formally approved DPP at EPReSC-4)
  - Possible structure for SSs on EPR was discussed
  - Mid-term (2017-2020) priorities for work on EPR Safety Guides were approved, based on all the above elements
- These priorities were updated in EPReSC-5
Introduction (2) Suggested structure for SS on EPR

- Revised GS-G-2.1
- Revised GSG-2
- GSG-Ter. (GSG-11)
- GSG-FC (GSG-14-DS475)
- Other Topical GSGs
- Category specific SSGs

GSR Part 7

SSG-Trans. (DS469)
Introduction (3) Priorities for 2017-2020 as updated in EPReSC-5

- Finalize safety standards currently under development
  - Publish DS474, DS475 and DS469

- Continue revision of GS-G-2.1 in line with the approved DPP. Expected completion in 2021

- Initiate (in 2019) a review of GSG-2 by collecting Member States’ feedback to identify ways how to best approach to its update
Timeline with various activities related to EPR Safety Standards development (EPRReSC-5)

Activities to:
- Identify exact topical and category specific safety guides to be developed in EPR area;
- Prioritize EPR safety guides for development;
- Develop DPP for priority safety guides.

Other EPR related Safety Standards under development or revision. For example, DS453 on occupational radiation protection addressing the protection of emergency workers completed in 2015 or the revision of RS-G-1.8 to commence in 2017 addressing monitoring and dose assessment in an emergency exposure situation.

EPR Series documents under development or revision. For example, EPR Series documents on Protection strategy development, Methodology for OILs development, On-site EPR for facilities and activities in categories 1 to 4, Combined emergencies etc..
<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Step</th>
<th>Expected Completion</th>
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<tbody>
<tr>
<td>DS474</td>
<td>Arrangements for the Termination of a Nuclear or Radiological Emergency (IAEA Safety Standards Series No. GSG-11)</td>
<td>Completed</td>
<td>Published in March 2018</td>
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<td>DS475</td>
<td>Arrangements for Public Communication in Preparedness and Response for a Nuclear or Radiological Emergency</td>
<td>In final lay out for publication</td>
<td>To be published in 2019</td>
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<td>DS469</td>
<td>Preparedness and Response for an Emergency during the Transport of Radioactive Material (revision of TS-G-1.2)</td>
<td>Step 11 (final review by SSCs)</td>
<td>To be approved by CSS in 2019 and published in 2020</td>
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<td>DS504</td>
<td>Arrangements for Preparedness and Response for a Nuclear or Radiological Emergency (Revision of GS-G-2.1)</td>
<td>Step 5 (at drafting stage) TM to receive feedback from MS in 2020. Expected to move to Step 7 in 2020</td>
<td>End of 2020</td>
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<tr>
<td>DS505</td>
<td>Environmental, Individual and Source Monitoring for Purposes of Radiation Protection (Revision of RS-G-1.8)</td>
<td>Step 5 (at drafting stage)</td>
<td>End of 2020</td>
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<td>EPR Protection Strategy</td>
<td>Considerations for Development of Protection Strategy for a Nuclear or Radiological Emergency</td>
<td>End of 2019</td>
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<td>EPR NPP Assessment</td>
<td>Revision of TECDOC-955, Generic Assessment Procedures for Determining Protective Actions during a Reactor Accident</td>
<td>Approved by PC-Pending of being published</td>
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<td>EPR On-site Plan for NPP</td>
<td>Considerations for the development of Onsite Emergency Plans for NPP</td>
<td>Approved by PC-Pending of being published</td>
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<td>EPR-RAD-OILs</td>
<td>Operational intervention levels for radiological emergencies</td>
<td>End of 2019</td>
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<tr>
<td>EPR Combined Emergencies</td>
<td>Considerations in Emergency Preparedness and Response in case of combined emergency</td>
<td>Mid of 2019</td>
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<td>EPR Monitoring</td>
<td>Revision of TECDOC-1092, Generic procedures for monitoring in a nuclear or radiological emergency</td>
<td>Mid of 2019</td>
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<td>EPR Medical</td>
<td>Revision of EPR-Medical 2005, Generic procedures for medical response during a nuclear or radiological emergency</td>
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<td>EPR First Responders</td>
<td>Revision of EPR-First Responders 2006</td>
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<td>EPR Exercise</td>
<td>Revision of EPR Exercise 2005</td>
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<td>EPR Method</td>
<td>Revision of EPR Method 2003</td>
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<td>EPR Embarking</td>
<td>Revision of EPR Embarking 2011</td>
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<td>EPR Dose Assessment</td>
<td><strong>New EPR Series document that will include technical guidance on different methodologies for dose assessment during emergencies for public and workers, including retrospective and prospective techniques</strong></td>
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<td>EPR Public Communication</td>
<td><strong>New EPR Series document that will include technical guidance based on DS475 by merging and updating the current EPR Public on Communication Plan for Emergencies and EPR Development of Communication Strategy</strong></td>
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Discussion on proposed new SSs in EPR to be considered

- As per the updated road map, GSG-2 review will start this summer (survey to EPReSC members to be submitted).
- Based on the results of the review, likely GSG-2 revision will start by mid 2020.
- Source of information to be taken into account in identifying topics for new SS in EPR:
  - Collection on feedback from MS on observed gaps and challenges requiring new guidance. Provided in different events: WS on GSR Part 7, different trainings, other events (i.e. joint EC/IAEA WS)
  - Expected coverage of GSR Part 7 requirements by revised GS-G-2.1 and GSG-2
Discussion on proposed new SSs in EPR to be considered (2)

• Suggested criteria to be taken into account in defining priorities for new SS development:
  – Areas currently not covered in necessary detail at SG level
  – Relevant gaps identified based on feedback from MS
  – Feasibility for providing effective guidance and reaching consensus in the area
  – Existence of technical guidance (EPR Series) in a specific area
Possible topics to be considered for development of new SSs in EPR

• The following are suggested, based on the previously defined criteria:
  
  – GSG on Emergency Workers and Helpers
  
  – SSG for different EPC: Among these, EP Category I or EP Category IV are considered as the highest priorities
  
  – GSG on Emergency Management System
Proposal for discussion and detailed elaboration of new EPReSC Road Map

• New EPReSC Road Map will have relevant influence in long term structure of SS
• Considering SPESS A, it should be presented to CSS and thoroughly justified
• Proposed process:
  – After discussion in EPReSC-8, creation of a WG (interacting by email) to prepare final proposal
  – Discussion and approval of the proposal in EPReSC-9
• Next slide depicts preliminary proposal
EPR Series documents published or already approved by PC:
- EPR NPP OIL’s
- EPR NPP assessment (revision of TECDOC 955)
- EPR Onsite NPP
- EPR Internal contamination

EPR Series documents under development and revision (those expected of being approved soon by PC are marked with *):
- EPR Protection Strategy
- EPR RAD OILS
- EPR Combined emergencies (*)
- Revision of EPR Medical (*)
- EPR Radiation Monitoring (Revision of TECDOC 1092) (*)
- EPR Medical Follow up (*)
- Revision of EPR First Responders (*)
- Revision EPR Exercise
- Revision of EOPR Method
- Revision of EPR Embarking
- EPR Dose Assessment

Revision of GSG-2
GSG on emergency Workers
SSG for EP Category I or IV
GSG on Emergency Management System
Thank you!