4th Meeting of the Emergency Preparedness and Response Standards Committee (EPReSC)
6 to 8 June 2017

Agenda Item 4.2
DPP for the revision of IAEA Safety Standards Series No. GS-G-2.1: Arrangements for Preparedness and Response for a Nuclear or Radiological Emergency (DS504)

S. Nestoroska Madjunarova
Emergency Preparedness Officer
Incident and Emergency Centre
Background

• Published in 2007
  – In use for 10 years already
• Co-sponsored by FAO, IAEA, ILO, OCHA, WHO, PAHO

• Objective:
  – To provide guidance on a number or requirements established in GS-R-2
  – To describe appropriate responses for a range of emergencies
  – To provide background information underpinning GS-R-2 requirements
• Many developments since 2007:
  – GSG-2 was issued in 2011
    • Superseded the concept of intervention levels and generic action levels applied in GS-G-2.1
  – GSR Part 7 was issued in 2015
    • Superseded GS-R-2 which provided basis for GS-G-2.1
  – Two Safety Guides in EPR approved for development
    • DS474, DS475 (to be completed 2017/2018)
Background (cont’d)

• As a result:
  – GS-G-2.1 review was carried out in 2016 to identify any need for its revision to ensure it supports adequately GSR Part 7 implementation taking account of other EPR related guidance (published or under development)
  – Questionnaire was distributed among Member States to gather their feedback on usefulness of GS-G-2.1 and on any changes they would like to see in future
  – EPReSC WG was established to review GS-G-2.1 and to discuss its future

• Results from these activities are documented in Appendices 1 to 3 and Annexes 1 to 2 of proposed DPP
Justification

• Need for revision was evident so it better addresses how specific requirements in GSR Part 7 can be met while:
  – Ensuring **consistency** in terminology and concepts with GSR Part 7
  – Providing more **detailed guidance on a number of requirements in GSR Part 7**, such as those for infrastructure
  – **Removing outdated guidance or other guidance** which has been addressed in more recent EPR related safety standards
  – Ensure appropriate **cross-references** are given to various EPR related safety standards
  – **Addressing all the five emergency preparedness categories** with a common guidance
• Revised GS-G-2.1 **cannot** provide complete guidance on all GSR Part 7 requirements
  – Not user-friendly
  – Not manageable content wise
    • In terms of time and resources

• **Areas for consideration in other future guidance publications**
  – Guidance that is specific to certain type of emergency or to a facility or an activity
    • Mitigatory actions, EALs, assessment etc.
  – Guidance specific to a topic (e.g. addressing very specific group of target audience)
    • Medical EPR etc.
Objective of revised GS-G-2.1

- To provide guidance and recommendations to Member States on arrangements for preparedness and response for a nuclear or radiological emergency, irrespective of its cause, in support of a selected number of requirements in GSR Part 7
Scope

- Any nuclear or radiological emergency irrespective of the cause
Target audience

- Emergency planners with responsibilities to prepare adequately to respond effectively to any nuclear or radiological emergency at facility, local, regional and national levels and respective personnel
  - Governments
  - Response organizations
  - Operating organizations
  - Regulatory bodies
Expected contents

• Follows GS-G-2.1 to a great extent:
  – Section 1: Introduction
    • Background, Objective, Scope and Structure
  – Section 2: General Requirements
    • Guidance supporting the application of Requirements 1, 2 and 4 of GSR Part 7
  – Section 3: Functional Requirements
    • Guidance supporting the application of Requirements 6, 7, 9, 14, 17, and 19 of GSR Part 7
Expected contents (cont’d)

• Follows GS-G-2.1 to a great extent:
  – Section 4: Requirements for Infrastructure
    • Guidance supporting the application of Requirements 20 – 26 of GSR Part 7
  – Section 5: Concept of operations
  – Appendices
    • Typical Emergency Preparedness Categories, Emergency Planning Zones and Distances, Dangerous sources, Response time objectives, Emergency Response Facilities and Locations, Typical emergency response organization; Templates for emergency plans and procedures; Typical training programme; Typical exercise regime etc.
• Follows GS-G-2.1 to a great extent:
  – References
  – Annexes
    • Informational material supporting the guidance
  – Contributors to Drafting and Review
# Production Schedule

<table>
<thead>
<tr>
<th>STEP</th>
<th>Description</th>
<th>Timeframe</th>
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<tbody>
<tr>
<td>1</td>
<td>Preparing a DPP</td>
<td>completed</td>
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<tr>
<td>2</td>
<td>Approval of DPP by the Coordination Committee</td>
<td>completed</td>
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<tr>
<td>3</td>
<td>Approval of DPP by the relevant review Committees</td>
<td>June-July 2017</td>
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<tr>
<td>4</td>
<td>Approval of DPP by the CSS</td>
<td>Q4 2017</td>
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<td>5</td>
<td>Preparing the draft Indicate as to whether a TM is expected to be organized for the preparation of the draft</td>
<td>2018 – 2019 (TM Q4 2019)</td>
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<td>6</td>
<td>Approval of draft by the Coordination Committee</td>
<td>Q1 2020</td>
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<tr>
<td>7</td>
<td>Approval by the relevant review Committees for submission to Member States for comments</td>
<td>Q3 2020</td>
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<tr>
<td>8</td>
<td>Soliciting comments by Member States</td>
<td>Q3 2020 – Q4 2020</td>
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<td>9</td>
<td>Addressing comments by Member States</td>
<td>Q4 2020 – Q1 2021</td>
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<td>10</td>
<td>Approval of the revised draft by the Coordination Committee Review in NS-SSCS</td>
<td>Q1 2021</td>
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<td>11</td>
<td>Approval by the relevant review Committees</td>
<td>Q2 2021</td>
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<td>12</td>
<td>Endorsement by the CSS</td>
<td>Q4 2021</td>
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<td>13</td>
<td>Establishment by the Publications Committee</td>
<td>Q4 2021</td>
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<td>14</td>
<td>Target publication date</td>
<td>Q3 2022</td>
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Review Committees

- EPReSC (lead)
- RASSC
- WASSC
- NUSSC
- TRANSSSC
- NSGC (interface document)
### Overview of comments

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- Table of resolutions and updated DPP posted for information in May 2017
- Changes introduced are not essential and do not impact the proposed objective, scope and content of revised guidance
Overview of rejected comments

• Inclusion of minimum guidance for every requirement or for specific requirements in GSR Part 7 identified in the analysis to remain out of the scope of GS-G-2.1 revision
  – These have not been identified as priority areas due to their coverage in other EPR Related Safety Standards or within EPR Series (existing or under development)

• Listing of all relevant Safety Standards including Safety Guides and Nuclear Security Publications in DPP
  – All these Series publication will be taken into account as relevant and referenced in revised guidance as appropriate and the list given in DPP cannot include all publications
Expected action

• Approval for submission to CSS
Thank you!