46th Meeting of the Radiation Safety Standards Committee (RASSC)

24-26 June 2019
(Agenda Item R3.3)

TECDOC on the Application of a Graded Approach in Regulating Facilities and Activities with Radiation Sources
Paragraph 4.3 of GSR Part 1 (Rev. 1) states:

- “The objective of regulatory functions is the verification and assessment of safety in compliance with regulatory requirements. The performance of regulatory functions shall be commensurate with the radiation risks associated with facilities and activities, in accordance with a graded approach.”

Paragraph 4.5 of GSR Part 1 (Rev. 1) states:

- “The regulatory body has the responsibility for structuring its organization and managing its available resources so as to fulfil its statutory obligations effectively. The regulatory body shall allocate resources commensurate with the radiation risks associated with facilities and activities, in accordance with a graded approach.”
Justification

- At the 42nd Meeting of the RASSC some MS requested the development of a technical document to assist the implementation of GSG-12 and GSG-13.

- Lessons learnt from IRRS and Advisory missions highlighted that the understanding and application of the graded approach in the regulatory functions differ between Member State.

- Member States express to IAEA continuously their need for further and specific guidance for regulating radiation sources facilities and activities in accordance with a graded approach.
Objective

The proposed TECDOC will:

– provide practical guidance on the application of a graded approach
– describe possible approaches and specific considerations on the application of the graded approach
– provide practical examples to be considered by Regulatory Bodies in regulating facilities and activities with radiation sources
Scope

The proposed TECDOC will cover the application of a graded approach in regulating facilities and activities with radiation sources, throughout their lifetime, for the following regulatory functions specified in GSR Part 1:

- establishment of regulations and guides,
- authorization of facilities and activities,
- review and assessment of facilities and activities,
- inspection of facilities and activities,
- establishment of enforcement policy,
- communication and consultation with interested parties.

and other regulatory activities.
Interfaces with Existing and/or Planned Publications

- Some IAEA safety standards provide high-level recommendations for different areas regarding the application of a graded approach;

- Some IAEA guidance regarding graded approach has been developed for very specific applications (e.g. TECDOC1740) and they do not cover regulatory functions in regulating facilities and activities with radiation sources.
Proposed Structure

1. INTRODUCTION
   1.1. Background
   1.2. Objectives
   1.3. Scope
   1.4. Structure

2. REGULATORY FUNCTIONS FOR FACILITIES AND ACTIVITIES USING RADIATION SOURCES
   2.1. Introduction to regulatory functions
   2.2. Interface with nuclear security

3. CONCEPTS OF A GRADED APPROACH
   3.1. General considerations regarding the concepts of a graded approach
   3.2. Criteria to be considered for implementing a graded approach
   3.3. Examples of methodologies

4. IMPLEMENTATION OF A GRADED APPROACH
   4.1. Establishment of regulations and guides
   4.2. Authorization
   4.3. Inspection
   4.4. Enforcement
   4.5. Communication and consultation with interested parties
   4.6. Application of graded approach to other regulatory activities

5. IMPLICATIONS TO THE ORGANIZATION, MANAGEMENT AND STAFFING OF THE REGULATORY BODY
   5.1. Organization
   5.2. Management system
   5.3. Staffing and competence

APPENDIX and ANNEXES (Practical Examples from Member States)
# Planned Schedule

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<th>Step</th>
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<td>3. Approval of DPP by the relevant review Committees</td>
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<td>6. Approval of draft by the Coordination Committee</td>
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<td>7. Approval by the relevant review Committees for submission to Member States for comments</td>
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<td>10. Approval of the revised draft by the Coordination Committee</td>
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<td>14. Target publication date</td>
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Thank you!