Proposed document on Building Materials

1. IDENTIFICATION

Proposed Title: Regulatory control of building and construction materials

Review Committee(s) or Group: RASSC

2. BACKGROUND

The General Safety Requirements (GSR Part 3) established requirements on the Member States for regulatory control of commodities, including building and construction materials. The Member States are required to establish reference levels for control of public exposure and to develop a general regulatory framework for ensuring compliance.

In November 2017 members of RASSC were requested to provide a list of priority issues which need further guidance or support from the IAEA. RASSC members advised on the need to consider developing guidance on managing exposures caused by building and construction materials.

3. JUSTIFICATION FOR THE PRODUCTION OF THE DOCUMENT

As requested by RASSC and due to the fact that currently there is no single consolidated document providing guidance on systematic approach to regulatory control and management of building and construction materials, further guidance is needed. SSG-32 explains the problem with NORM in building materials and gives tools for dose assessment, however it does not provide a comprehensive approach to regulatory control of exposure caused by building and construction materials. Roles and responsibilities of the parties, as well as practical mechanisms for demonstrating compliance with the reference level are out of scope of SSG-32, and need to be addressed somewhere. The issue of cleared material, which is used for building and construction purposes is not addressed in the existing document either.

4. OBJECTIVE

The objective of the proposed safety report is to provide to the governments, regulatory bodies, other relevant competent authorities, and building and construction material industries, practical guidance on setting up arrangements for the regulatory control of exposures caused by building and construction materials, as well as demonstrating compliance with related requirements.

5. SCOPE

The proposed safety report will provide the governments, regulatory bodies, and/or other competent authorities and relevant industries, guidance on the practical aspects of setting up arrangements for the regulatory control of exposures caused by building and construction materials, as well as, arrangements and methods for demonstrating compliance with the regulatory requirements. It will also consider the responsibilities of the suppliers of raw, waste or recycled materials for the incorporation into building or construction materials.

6. PLACE IN THE OVERALL STRUCTURE OF THE RELEVANT SERIES AND INTERFACES WITH EXISTING AND/OR PLANNED PUBLICATIONS

This Safety Report will interface with the following safety standards (noting this is not, and cannot be regarded as, a comprehensive list):


3. GSG-8 Protection of the Public and of the Environment.

4. SSG-32 Protection of the Public against Exposure Indoors due to Radon and Other Natural Sources of Radiation (2015).

5. DS499 draft SSG Application of concept of exemption

6. DS500 draft SSG application of concept of clearance.

7. OVERVIEW

Table of content:

1. Introduction
2. Government
   2.1. Identification
   2.2. Information
   2.3. Legal framework
3. Regulatory body or any other competent authorities
   3.1. Regulations and reference level and requirements on demonstration of compliance
   3.2. Addressing gamma radiation and radon, NORM and artificial radionuclides
   3.3. Measurement service provider requirements
   3.4. Measurement methodology
4. Producer and consumer demonstration of compliance

APPENDIX I calculation models

APPENDIX II measurement instruments and methods

APPENDIX III information about building and construction materials entering the market
8. **PRODUCTION SCHEDULE**: Provisional schedule for preparation of the document, outlining realistic expected dates for each step (*fill the column corresponding to your proposed document and delete the other columns)*:

<table>
<thead>
<tr>
<th>STEP 1: Preparing a DPP</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>STEP 2: Approval of DPP by the Coordination Committee</td>
<td>End 2018</td>
</tr>
<tr>
<td>STEP 3: Approval of DPP by the relevant review Committees</td>
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<tr>
<td>STEP 4: Approval of DPP by the CSS</td>
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<tr>
<td>STEP 5: Preparing the draft Indicate as to whether a TM is expected to be organized for the preparation of the draft</td>
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<tr>
<td>STEP 6: Approval of draft by the Coordination Committee</td>
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<tr>
<td>STEP 7: Approval by the relevant review Committees for submission to Member States for comments</td>
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<tr>
<td>STEP 8: Soliciting comments by Member States</td>
<td></td>
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<tr>
<td>STEP 9: Addressing comments by Member States</td>
<td></td>
</tr>
<tr>
<td>STEP 10: Approval of the revised draft by the Coordination Committee Review in NSOC-SGDS (Technical Editorial review)</td>
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<tr>
<td>STEP 11: Approval by the relevant review Committees</td>
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<tr>
<td>STEP 12: Submission to the CSS Submission in parallel and approval by the Publications Committee MTCD Editing Endorsement of the edited version by the CSS</td>
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<tr>
<td>STEP 13: Establishment by the Publications Committee and/or Board of Governors (for SF and SR only))</td>
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<td>STEP 14: Target publication date</td>
<td>Mid 2020</td>
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9. **RESOURCES**

Estimated resources involved by the Secretariat 8 person-weeks and the Member States 2 Consultancy Meetings * 4 persons and HBA 2 person-weeks.