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Document Preparation Profile (DPP)
Version 5 dated 15 November 2018

1. IDENTIFICATION

Document Category: Safety Guide
Working ID: DS515
Proposed Title: Compliance Assurance for the Safe Transport of Radioactive Material
Proposed Action: Revision of Safety Guide No. TS-G-1.5, Compliance Assurance for the Safe Transport of Radioactive Material, which was published in 2009
Review Committee(s) or Group: TRANSSC, EPReSC, NSGC
Technical Officer(s): Eric H. Reber

2. BACKGROUND

Safety Guide No. TS-G-1.5, Compliance Assurance for the Safe Transport of Radioactive Material, was published in 2009. The objective of TS-G-1.5 is to assist competent authorities in the development and maintenance of compliance assurance programmes for the transport of radioactive material, and to assist applicants, licensees and organizations in their interactions with competent authorities. Recommendations are provided on the responsibilities of users of the transport regulations and competent authorities relating to compliance assurance. In order to increase cooperation between competent authorities and to promote the uniform application of international regulations and recommendations, it is desirable to adopt a common approach to regulatory activities. TS-G-1.5 is intended to assist in implementing such a uniform application by recommending most of the actions that should be included in the programmes of competent authorities for ensuring compliance with the Transport Regulations.

Since the publication of TS-G-1.5, the two publications in the Safety Requirements category that it primarily supports have been revised twice in the case of GS-R-1, and three times in case of TS-R-1. Revision of TS-G-1.5 is proposed to take account of revisions to several relevant publications that inform its content, and issues that have impacted the areas of its purview since its publication in 2009, including:

— revisions of the publications in the Safety Requirements category that it supports;

— revisions of other publications cited as references, e.g., Safety Standards Series No. GS-R-2, GS-R-3, TS-G-1.1 (Rev. 1), TS-G-1.3, and TS-G-1.4; IAEA’s National Competent Authorities Responsible for Approvals and Authorizations in Respect of the Transport of Radioactive Material; IAEA’s Training Course Series No. 1, Safe Transport of Radioactive Material; and IAEA’s International Nuclear Verification Series No. 1 (Revised), Safeguards Techniques and Equipment;

— technological changes, and changes to the nature and scope of the transport of radioactive material;

— operational experience with the use of TS-G-1.5; and

— consideration of the safety/security interface.
This proposed revision of TS-G-1.5 is part of a plan (approved by TRANSSC) to revise all safety guides that support the Regulations for the Safe Transport of Radioactive Material, the most recent revision of which will be published in 2018.

3. JUSTIFICATION FOR THE PRODUCTION OF THE DOCUMENT
Revision of TS-G-1.5 is overdue in that since its publication, the two publications in the Safety Requirements category that it primarily supports have been revised a total of five times. Due to a lack of resources and competing priorities, it has not been possible until now to revise this publication. Users of this publication will benefit from an updated version of the publication that is based on current safety standards, and takes account of recent operating experience, current technology, and the nature and scope of the transport of radioactive materials.

4. OBJECTIVE
The objective of the proposed revision of TS-G-1.5 is to assist competent authorities in the development and maintenance of compliance assurance programmes for the transport of radioactive material, and to assist applicants, licensees and organizations in their interactions with competent authorities. In order to increase cooperation between competent authorities and to promote the uniform application of international regulations and recommendations, it is desirable to adopt a common approach to regulatory activities. This revision of TS-G-1.5 is intended to assist in implementing such a uniform application by recommending most of the actions that should be included in the programmes of competent authorities for ensuring compliance with the Transport Regulations.

This safety guide is intended to be used by competent authorities that are establishing or further developing programmes to ensure compliance with the Transport Regulations. The recommendations provided will also be useful to competent authorities with established programmes that are seeking greater harmony internationally in the implementation of the Transport Regulations. Additionally, the safety guide will assist users of the Transport Regulations in their interactions with competent authorities.

5. SCOPE
The proposed safety guide will address radiation safety aspects of the transport of radioactive material; that is, the subjects that are covered by the Transport Regulations.

Measures for managing safety–security interfaces will be addressed in the proposed safety guide as necessary. Nuclear security issues, such as physical protection and nuclear material accounting and control will be mentioned in the proposed safety guide where they need to be taken into account when considering regulatory programmes for ensuring the safe transport of radioactive material, but reference will be made to the Nuclear Security Series for guidance on these topics.

6. PLACE IN THE OVERALL STRUCTURE OF THE RELEVANT SERIES AND INTERFACES WITH EXISTING AND/OR PLANNED PUBLICATIONS
The proposed publication will be a specific safety guide in the group of safety standards on the safe transport of radioactive material. This safety guide will primarily provide guidance on implementing the requirements in General Safety Requirements No. GSR Part 1 (Rev. 1), Governmental, Legal and Regulatory Framework for Safety, and Safety Standards Series No. SSR-6, Regulations for the Safe Transport of Radioactive Material, for ensuring compliance with regulatory requirements on the transport of radioactive material.

The proposed safety guide will provide specific recommendations that are relevant to assuring compliance with the Transport Regulations; these recommendations will not conflict with recommendations provided in Safety Standards Series No. GSG-12, Organization, Management and Staffing of the Regulatory Body for Safety, or Safety Standards Series No. GSG-13, Functions and Processes of the Regulatory Body for Safety.

A section of this publication will address the safety security interface. Appropriate references will be made to publications in the Nuclear Security Series.
The drafting process for this publication will be managed by RIT/NSRW. Regarding the section on the safety/security interface, the Nuclear Security of Materials and Facilities Section will be consulted.

Historically, SSR-6, Regulations for the Safety Transport of Radioactive Material, and the IAEA Safety Guides that support it have not been co-sponsored by other international organizations. Regarding interaction with international organizations, ICAO, IMO and the UNECE are members of TRANSSC and as such are invited to participate in discussions and make comments on documents that are developed by the IAEA (such as TS-G-1.5).

It is expected that the current version of the following publications will be referenced in this publication:

- INTERNATIONAL ATOMIC ENERGY AGENCY, Application of the Management System for Facilities and Activities, IAEA Safety Standards Series No. GS-G-3.1, IAEA, Vienna (2006). [NB: This reference may be revised if DS513 is published.]
- UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE, European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR) and Protocol of Signature, UNECE, Geneva (1957).
- CENTRAL OFFICE FOR INTERNATIONAL TRANSPORT BY RAIL, Convention relative aux transports internationaux ferroviaires (COTIF), OCTI, Berne (1980).
- MERCOSUR/MERCOSUL, Acuerdo sobre Transporte de Mercancías Peligrosas en el Mercosur/Acordo sobre Transporte de Mercadorias Perigosas no Mercosul, Argentina, Brasil, Paraguay y Uruguay (1994).
7. OVERVIEW

The outline of the publication will be similar to that of the publication that is being revised, with the inclusion of a section on the safety/security interface.

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ANNEX V: EXAMPLE/MODEL OF A CHECKLIST FOR AUDITING A MANAGEMENT SYSTEM
ANNEX VI: EXAMPLE/MODEL OF A CHECKLIST FOR INSPECTING TRANSPORT DOCUMENTATION
ANNEX VII: EXAMPLE/MODEL OF A CHECKLIST FOR INSPECTING TRANSPORT OPERATIONS
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CONTRIBUTORS TO DRAFTING AND REVIEW
BODIES FOR THE ENDORSEMENT OF IAEA SAFETY STANDARDS
## 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*):

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* • Column A for Safety Fundamentals, Safety Requirements and Safety Guides.  
  • Column B for Nuclear Security Series publications  
  • Column C for TECDOCs, safety reports and other publications

## 9. RESOURCES

Estimated resources involved by the Secretariat (person-weeks) and the Member States (number and type of meetings)

- Three one-week consultancy meetings
- Two six-week home based assignments
- Secretariat: 12 person-weeks