

**SPESS F**  
**Document Preparation Profile (DPP)**  
**Version 2 dated 2017/04/10**

## 1. IDENTIFICATION

**Document Category or set of publications to be revised in a concomitant manner**

**Safety Guide**

**Working ID:** DS506

**Proposed Title:** Schedules of Provisions of the IAEA Regulations for the Safe Transport of Radioactive Material (20xx Edition), SSG-33, Rev. 1

**Proposed Action:** revision of document

**Schedules of Provisions of the IAEA Regulations for the Safe Transport of Radioactive Material (2012 Edition), SSG-33**

**Review Committee(s) or Group:** TRANSSC

**Technical Officer(s):** N. Capadona, S. Whittingham

## 2. BACKGROUND

There are around 500 paragraphs, sub-paragraphs and tables in the Transport Regulations (SSR-6, Regulations for the Safe Transport of Radioactive Material, 20XX Edition). For most of the specified types of consignments the number of applicable provisions in the Regulations are only 30-40. Although much of the information may not apply, a user desiring to transport a particular type of consignment of radioactive material would need to study and assimilate requirements from all sections of the Regulations. This Safety Guide aims to aid such users by providing a consolidation of certain requirements of the Regulations for each type of radioactive material, package or shipment. Once a consignor has properly classified the radioactive material to be shipped, the appropriate UN number can be assigned and the specific requirements for the shipment can be found in the corresponding schedule. The references are provided so that the Regulations can be readily consulted when necessary.

## 3. JUSTIFICATION FOR THE PRODUCTION OF THE DOCUMENT

The Regulations are structured topically in terms of definitions, general provisions, activity limits and classification, requirements and controls for transport, requirements for radioactive materials and for packagings and packages, test procedures, and approval and administrative requirements. This Safety Guide is prepared on the basis of the 20XX edition of the Regulations; it addresses certain parts of the Regulations in a user friendly format for specified types of consignments, classified according to their associated UN numbers,

In 25th CSS meeting, some CSS members considered that publication of the Schedules is badly needed, but requested that in future the Transport Regulations and the supporting Schedules be issued at the same time. Chairman of the Commission requested TRANSSC to consider the need to update related safety guides concurrently with revisions of SSR-6.

TRANSSC Members continue to identify SSG-33 as a useful publication. Recent download statistics from publications identifies this as one of the current top downloaded documents.

#### **4. OBJECTIVE**

The schedules will identify the applicable provisions of the Transport Regulations without introducing any additional requirement. If there were any discrepancies between the Regulations and the Schedules, essentially due to the use of the word “shall” in the Regulations and “should” in this guide, the requirements in the Regulations apply.

The schedules will provide the tables of paragraph numbers with references to the relevant detailed provisions of the Regulations. The schedules will be corresponding to the package related UN numbers in the Table 1 of SSR-6; 26 UN numbers that originate 26 schedules.

#### **5. SCOPE**

This Safety Guide is intended to advise shippers, consignors and carriers by presenting, in form of schedules, the applicable para numbers of the IAEA Regulations for the Safe Transport of Radioactive Material (SSR-6, 20xx Edition).

Enforcement personnel inspecting shipments or auditing shipping records will also benefit from this Guide.

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

This guide is a revision of an existing guide and provides support to those using SSR-6.

- Safety Committees: TRANSSC will co-ordinate the review process;
- Other Safety Standards Series documents that have a direct interface with the Schedules are:
  - SSR-6 “Regulations for the Safe Transport of Radioactive Material” (20xx Edition)
  - SSG-26 “Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material (20xx Edition)
- Interfaces also exist with all Member States and with involved international organizations.
  - Member States: Requests for comments on the format and structure of the document. The summary of proposed changes and draft will be sent to member states for comments. The Member States then have the opportunity to participate in the review process through TRANSSC and provide further support through related Technical Meetings and Consultant Services.
  - International Organizations: Liaison with other organizations for the development of SSG-33, Rev. 1 include:
    - United Nations Economic and Social Council (UN/ECOSOC)
    - International Civil Aviation Organization (ICAO)
    - International Maritime Organization (IMO)
    - UN/ECE/Inland Transport Committee’s International Regulations Concerning the Carriage of Dangerous Goods by Rail (RID), European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR), and European Agreements on the International Carriage of Dangerous Goods by Inland Waterways (ADN)UN/ECE/
    - International Standards Organization (ISO)
    - International Federation of Airline Pilots Associations (IFALPA)
    - International Air Transport Association (IATA)
    - Universal Postal Union (UPU)
    - European Commission (EC)
    - World Nuclear Transport Institute (WNTI)

## 7. OVERVIEW

This safety guide is a companion document and will serve as an aid to users of the Transport Regulations.

Considering that the users of this safety guide are mainly carriers or consignors, the provisions for package design and testing (Section VI and VII of the SSR 6) should not be included in the document.

The table of contents of the existing guide is as follows:

### 1. INTRODUCTION

BACKGROUND  
OBJECTIVE  
SCOPE  
STRUCTURE

### 2. DEFINITIONS AND CLASSIFICATION

INTRODUCTION  
DEFINITIONS  
CLASSIFICATION

SCHEDULE FOR UN 2908: RADIOACTIVE MATERIAL, EXCEPTED PACKAGE — EMPTY PACKAGING

SCHEDULE FOR UN 2909: RADIOACTIVE MATERIAL, EXCEPTED PACKAGE — ARTICLES MANUFACTURED FROM NATURAL URANIUM OR DEPLETED URANIUM OR NATURAL THORIUM

SCHEDULE FOR UN 2910: RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - — LIMITED QUANTITY OF MATERIAL

SCHEDULE FOR UN 2911: RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - — INSTRUMENTS OR ARTICLES

SCHEDULE FOR UN 2912: RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I) NON-FISSILE OR FISSILE-EXCEPTED

SCHEDULE FOR UN 2913: RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I OR SCO-II) NON-FISSILE OR FISSILE-EXCEPTED

SCHEDULE FOR UN 2915: RADIOACTIVE MATERIAL, TYPE A PACKAGE, NON-SPECIAL FORM, NON-FISSILE OR FISSILE-EXCEPTED

SCHEDULE FOR UN 2916: RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, NON-FISSILE OR FISSILE-EXCEPTED

SCHEDULE FOR UN 2917: RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, NON-FISSILE OR FISSILE-EXCEPTED

SCHEDULE FOR UN 2919: RADIOACTIVE MATERIAL, TRANSPORTED UNDER  SPECIAL ARRANGEMENT, NON-FISSILE OR FISSILE-EXCEPTED (containing only additional requirements for special arrangement)

SCHEDULE FOR UN 2977: RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE (containing only additional requirements for UF6)

SCHEDULE FOR UN 2978: RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, NON  
FISSILE OR FISSILE-EXCEPTED (containing only additional requirements for UF6)

SCHEDULE FOR UN 3321: RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II)  
NON-FISSILE OR FISSILE-EXCEPTED

SCHEDULE FOR UN 3322: RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III)  
NON-FISSILE OR FISSILE-EXCEPTED

SCHEDULE FOR UN 3323: RADIOACTIVE MATERIAL, TYPE C PACKAGE, NON-FISSILE OR  
FISSILE-EXCEPTED

SCHEDULE FOR UN 3324: RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II),  
FISSILE

SCHEDULE FOR UN 3325: RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III),  
FISSILE

SCHEDULE FOR UN 3326: RADIOACTIVE MATERIAL, SURFACE CONTAMINATED  
OBJECTS (SCO-I OR SCO-II), FISSILE

SCHEDULE FOR UN 3327: RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE, NON-  
SPECIAL FORM

SCHEDULE FOR UN 3328: RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE

SCHEDULE FOR UN 3329: RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE

SCHEDULE FOR UN 3330: RADIOACTIVE MATERIAL, TYPE C PACKAGE, FISSILE

SCHEDULE FOR UN 3331: RADIOACTIVE MATERIAL, TRANSPORTED UNDER  SPECIAL  
ARRANGEMENT, FISSILE (containing only additional requirements for special  
arrangement)

SCHEDULE FOR UN 3332: RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM,  
NON-FISSILE OR FISSILE-EXCEPTED

SCHEDULE FOR UN 3333: RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM,  
FISSILE

SCHEDULE FOR UN 3507: URANIUM HEXAFLUORIDE, RADIOACTIVE MATERIAL,  
EXCEPTED PACKAGE, less than 0.1 kg per package, non-fissile or fissile-excepted

For each schedule, the following structure is used:

- (1) General provisions;
- (2) Contents limits for packages;
- (3) Contamination;
- (4) Maximum dose rates;
- (5) Categories of packages and overpacks;
- (6) Marking and labelling;
- (7) Requirements before shipment;
- (8) Provisions concerning transport operations.

**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*):

	A*	B*	C*
STEP 1: Preparing a DPP	DONE		
STEP 2: Approval of DPP by the Coordination Committee	APRIL 2017		
STEP 3: Approval of DPP by the relevant review Committees	JULY 2017		
STEP 4: Approval of DPP by the CSS	NOV 2017		
STEP 5: Preparing the draft Indicate as to whether a TM is expected to be organized for the preparation of the draft	DEC 2017		
STEP 6: Approval of draft by the Coordination Committee	FEB 2018		
STEP 7: Approval by the relevant review Committees for submission to Member States for comments	JUNE 2018		
STEP 8: Soliciting comments by Member States	AUG 2018		
STEP 9: Addressing comments by Member States	JAN 2018		
STEP 10: Approval of the revised draft by the Coordination Committee Review in NS-SSCS	MAR 2019		
STEP 11: Approval by the relevant review Committees	JUN 2019		
STEP 12: Endorsement by the CSS	NOV 2019		
STEP 13: Establishment by the Publications Committee and/or Board of Governors (for SF and SR only))			
STEP 14: Target publication date	2020		

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- *Column A for Safety Fundamentals, Safety Requirements and Safety Guides.*
- *Column B for Nuclear Security Series publications noting that for Technical Guides a fast track may be proposed and justified for approval by the NSGC at step 3. If approved, the draft will not be subject to the steps 4 to 10 and, be provided at step 11 to the NSGC to take note of it before its publication*
- *Column C for TECDOCs, safety reports and other publications*

## 9. RESOURCES

The core work is summarization of the provisions of SSR 6 and the production of the reference tables.

Secretariat: 10 person weeks

Member States: 15 person weeks.