

SPECIFICATION

Type A Transport Containers – Small

1. Scope

This Specification describes the requirements for Reusable small size Type A transport containers (hereinafter referred to the “Container(s)), suitable for shipment of solid and liquid radioactive materials and sources.

2. Applicable Documents and Regulations

The Container(s) must have an internationally valid certificate demonstrating conformity with the regulations stipulated below:

- International Atomic Energy Agency Regulations for the Safe Transport of Radioactive Material (SSR-6) 2018 edition,
- International Air Transport Association (IATA) Transportation of Dangerous Goods Regulations (D.G.R.) 59th edition 2018,
- European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR) 2017 edition,
- International Maritime Dangerous Goods Code (IMDG code) 2016 edition
- Advisory material for the IAEA Regulations for the safe Transport of Radioactive Material N. SSG-26 (2012 edition).

In the event of conflict between the documents and Regulations listed above and the content of this Specification, the content of this Specification shall take precedence to the extent of the conflict.

3. Requirements

3.1. Functional and Performance Requirements

The Container(s) shall meet the following functional and performance requirements:

- The Container(s) shall be intended for use as a reusable package;
- The Container(s) shall undergo functional and performance testing in conformity with the regulations referenced in Section 2, Applicable Documents and Regulations; and
- The Container(s) shall be manufactured from a corrosion-proof material (non-metal).

3.2. Technical Requirements (general)

- The Container(s) shall be suitable for solids as well as liquids within the Type A activity limits specified by IAEA-SSR-6;
- The Container(s) shall be able to accept one (1) IAEA ALU-can as the inner container, or it shall include a vendor-provided inner container into which the IAEA ALU-can can be inserted. The IAEA ALU-can is a cylindrical aluminium can that is 114 mm in diameter (maximum) and 145 mm in height (See Appendix A);
- The Container(s) shall have a handle; and
- The Container(s) shall include a suitable feature to allow the application of a transportation seal.

3.3. Technical Requirements (size and capacity)

The container(s) shall meet the following specifications:

Specification	Container
Maximum weight of container (tare)	5 kg
Maximum external dimensions	Width/diameter: 40 cm Height: 40 cm
Minimum volume capacity	The container shall be designed to enclose <u>only one</u> IAEA ALU-can (either used as the internal container or placed inside of vendor-provided inner container)
Minimum liquid capacity	250 mL

4. Marking

The Container(s) shall include a label that includes the term “Type A”, the manufacture address, the VRI code and the container serial number.

5. Packing

For delivery to the IAEA, the Container(s) shall be packed in accordance with international standards that are applicable for the shipment of this kind of equipment.

6. Quality Requirements

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- The Container(s) shall be manufactured, shipped and installed in accordance with the ISO 9000 quality assurance system or an equivalent quality assurance system.
- The Contractor shall document the compliance with this quality assurance system.
- The Contractor shall provide signed and approved certificates of conformity (see section 2). Documentation shall include technical drawings in the English language.

7. Testing and Acceptance

- Prior to delivery, the Container(s) shall be tested for conformity with the requirements in place for the Type A containers (see section 2).
- The results of the testing of the Container(s) shall be documented by the Contractor in an acceptance protocol, which shall be provided to the IAEA.

8. Deliverable Date for Items

The Container(s) shall be delivered to the IAEA before 31 July 2018.

