SPECIFIC SAFETY INSTRUCTION SSI-M-2-6

TRANSPORTABLE PRESSURE EQUIPMENT
1 INTRODUCTION

For the convenience of the reader, this Specific Safety Instruction used the masculine gender only. However, its use shall be understood as referring to both genders unless the context clearly indicates a reference to one gender only.

1.1 Legal basis

In accordance with its intergovernmental status, the Organization establishes and updates Safety Rules to implement its Safety Policy.

This Specific Safety Instruction forms part of the CERN Safety Rules and is issued pursuant to the Staff Rules and Regulations and the CERN Safety Policy.

1.2 Purpose and scope

The purpose of this Specific Safety Instruction is to define the additional Safety requirements relating to pressure equipment used at CERN that is transportable by road, compared to General Safety Instruction GSI-M-2 “Standard pressure equipment”.

Aerosols, cryogenic equipment and fire extinguishers are excluded from the scope of this Specific Safety Instruction.

1.3 Definitions

For the purposes of this Specific Safety Instruction, the following definitions shall apply:

- **Cryogenic equipment**: pressurised and non-pressurised equipment used at a temperature equal to or lower than 123.15 K.

For other definitions please refer to section 1.3 of Safety Regulation SR-M “Mechanical equipment” and to General Safety Instruction GSI-M-2 “Standard pressure equipment”.

1.4 CERN Safety Rules and Laws

This Specific Safety Instruction is supplemented by the documents listed below, where they exist:

- Safety Regulations (SR);
- General Safety Instructions (GSI);
- Specific Safety Instructions (SSI);

and by the relevant provisions of the following Laws:

- European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) (United Nations).

In the event of any ambiguity or contradiction between the above-mentioned documents, they shall apply in decreasing order of priority, starting from the top.
### 2 ADDITIONAL SAFETY REQUIREMENTS COMPARED TO GSI-M-2

The following additional Safety requirements compared to General Safety Instruction GSI-M-2 shall apply to transportable pressure equipment:

<table>
<thead>
<tr>
<th>Relevant section GSI-M-2</th>
<th>Phase of life cycle</th>
<th>Additional Safety requirements compared to GSI-M-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>Design</td>
<td>The design of new transportable pressure equipment at CERN shall be subject to approval by the HSE Unit.</td>
</tr>
<tr>
<td>2.2</td>
<td>Manufacture</td>
<td>The manufacture of new transportable pressure equipment at CERN shall be subject to authorisation by the HSE Unit.</td>
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<tr>
<td>2.3</td>
<td>Procurement or arrival/presence on the CERN site</td>
<td>No additional Safety requirement compared to GSI-M-2.</td>
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<td>2.4</td>
<td>Installation</td>
<td>Section 2.4 is not applicable.</td>
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<tr>
<td>2.5</td>
<td>Acceptance and commissioning</td>
<td>All transportable pressure equipment belonging to CERN or the collaborating institutions shall be commissioned in compliance with the applicable CERN Safety Rules and Laws (Cf. Section 1.4).</td>
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<tr>
<td>2.6</td>
<td>Use</td>
<td>All transportable pressure equipment used at CERN shall comply with Directive 2010/35/EU of the European Parliament and of the Council of 16 June 2010. Any transportable pressure equipment that is not compliant with Directive 2010/35/EU of the European Parliament and of the Council of 16 June 2010 shall be subject to a conformity assessment by a notified body appointed by the HSE Unit. Transportable pressure equipment shall be used or stored in accordance with the instructions of the manufacturer or of the supplier in the case of hired equipment. Fire extinction equipment shall be provided at the points of use and storage of the transportable pressure equipment if the risk of fire is identified. The risk of oxygen deficiency shall be assessed at the points of use and storage. The premises shall be appropriately ventilated and monitored for Oxygen Deficiency Hazard (ODH) if the risk of oxygen deficiency is identified.</td>
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<tr>
<td>2.7</td>
<td>Periodic inspections</td>
<td>All transportable pressure equipment belonging to CERN or the collaborating institutions shall undergo periodic inspections as defined in the ADR. These periodic inspections shall be performed by a notified body appointed by the HSE Unit.</td>
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<tr>
<td>2.8</td>
<td>Maintenance</td>
<td>No additional Safety requirement compared to GSI-M-2.</td>
</tr>
<tr>
<td>2.9</td>
<td>Recommissioning</td>
<td>Any modification and repairs of transportable pressure equipment shall be subject to prior authorisation by the HSE Unit. All modified or repaired transportable pressure equipment shall comply with Directive 2010/35/EU of the European Parliament and of the Council of 16 June 2010. All transportable pressure equipment belonging to CERN or the collaborating institutions that has not been used for six months shall be recommissioned in accordance with the Safety requirements of section 2.5.</td>
</tr>
<tr>
<td>2.10</td>
<td>Decommissioning/dismantling</td>
<td>No additional Safety requirement compared to GSI-M-2.</td>
</tr>
</tbody>
</table>

### 3 FINAL PROVISIONS

#### 3.1 Entry into force

This Specific Safety Instruction (version 1) enters into force upon its publication on the website dedicated to the CERN Safety Rules: [https://www.cern.ch/safety-rules](https://www.cern.ch/safety-rules).