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**Economic Commission for Europe****Inland Transport Committee****Working Party on the Transport of Dangerous Goods****Joint Meeting of the RID Committee of Experts and the  
Working Party on the Transport of Dangerous Goods**

Geneva, 21 September – 1 October 2021

Item 2 of the provisional agenda

**Tanks****Supplementary information from the informal working  
group on the inspection and certification of tanks: Proposed  
amendments to Chapters 6.8 and 6.2, sections 1.8.7 and 1.8.6,  
plus transitional measures and consequential amendments****Transmitted by the Government of the United Kingdom on behalf of  
the informal working group<sup>\*</sup>, <sup>\*\*</sup>, <sup>\*\*\*</sup>**

1. At the spring session of the Joint Meeting in March 2021 it was agreed that the proposed amendments in INF.10 (to improve the controls and procedures which govern the activities of tank and pressure receptacle inspection bodies) would be converted into a working document containing the new text for Chapter 6.8, the track changes for sections 1.8.7 and 1.8.6, the transitional measures, and the consequential amendments. The document would be submitted and placed on the website soon after the Joint Meeting, and interested delegates invited to send their written comments to the chair of the informal working group on the inspection and certification of tanks ([steve.gillingham@dft.gov.uk](mailto:steve.gillingham@dft.gov.uk)) by 17 May 2021. The comments would then be collated and distributed to the members of the informal working group before their next meeting on 8 and 9 June 2021.

2. During the meeting the proposals for Chapters 6.8, the transitional measures, and the consequential amendments, together with the consequential amendments and proposals for Chapter 6.2 in document ECE/TRANS/WP.15/AC.1/2021/16 and the amendments proposed in other informal documents submitted to the spring session of the Joint Meeting, were further considered alongside the comments from the delegates of the Joint Meeting. The remaining proposals for sections 1.8.7 and 1.8.6 were set aside due to time constraints to be considered at an additional meeting of the informal working group on 8 and 9 July 2021, during which the revised proposals were further refined as set out in this document.

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<sup>\*</sup> A/75/6 (Sect.20), para 20.51.

<sup>\*\*</sup> Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OTIF/RID/RC/2021/23/Rev.1.

<sup>\*\*\*</sup> Agreement was reached to publish the present document after the standard deadline in agreement with Conference Services.

## Annex I

### Proposed amendments to Chapter 6.8

(RID:) Under the title, current NOTE becomes NOTE 1. Add a new NOTE 2 as follows:

(ADR:) Under the title, add a new NOTE 3 as follows:

*“NOTE 2(RID)/3(ADR): In this chapter, “inspection body” means a body conforming to 1.8.6.”*

6.8.1 Replace the title by: “Scope and general provisions”.

Insert new 6.8.1.5 to read as follows:

**“6.8.1.5      *Conformity assessment, type approval and inspections procedures***

The following provisions describe how to apply the procedures in 1.8.7.

For the purpose of this sub-section the term “country of registration” means:

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|---|---|
| <ul style="list-style-type: none"> <li>- the RID Contracting State/ Contracting Party to ADR of registration of the wagon/vehicle on which the tank is mounted;</li> </ul> <p>(ADR): - for demountable tanks, the Contracting Party to ADR where the owner's or operator's company is registered.</p> | <ul style="list-style-type: none"> <li>- the RID Contracting State/ Contracting Party to ADR where the owner's or operator's company is registered.</li> <li>- if the owner’s or operator’s company is not known, the RID Contracting State/Contracting Party to ADR of the competent authority that approved the inspection body which performed the initial inspection. Notwithstanding 1.6.4.x these inspection bodies shall be accredited according to EN ISO/IEC 17020:2012 (except clause 8.1.3) Type A.</li> </ul> |
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The conformity assessment of the tank shall verify that all its components conform to the requirements of RID/ADR, irrespective of where they have been manufactured.

6.8.1.5.1      *Type examination according to 1.8.7.2.1*

- (a) The manufacturer of the tank shall engage a single inspection body approved or recognized by the competent authority of either the country of manufacture or the first country of registration of the first tank manufactured according to that type to take responsibility for the type examination. If the country of manufacture is not an RID Contracting State/a Contracting Party to ADR, the manufacturer shall engage a single inspection body approved or recognized by the competent authority of the country of registration of the first tank manufactured according to that type to take responsibility for the type examination.
- (b) If the type examination of the service equipment is performed separately from the tank according to 6.8.2.3.1, the manufacturer of the service equipment shall engage single inspection body approved or recognized by a competent authority of an RID Contracting State/a Contracting Party of ADR to take responsibility for the type examination.

6.8.1.5.2      *Type approval certificate issue according to 1.8.7.2.2*

Only the competent authority that approved or recognized the inspection body that performed the type examination shall issue the type approval certificate.

However, when an inspection body is designated by the competent authority to issue the type approval certificate the type examination shall be performed by that inspection body.

6.8.1.5.3 *Supervision of manufacture according to 1.8.7.3*

- (a) For the supervision of manufacture, the manufacturer of the tank shall engage a single inspection body approved or recognized either by the competent authority of the country of registration or the country of manufacture. If the country of manufacture is not an RID Contracting State/a Contracting Party to ADR, a manufacturer shall engage a single inspection body approved or recognized by the competent authority of the country of registration.
- (b) If the type examination of the service equipment is performed separately from the tank, the manufacturer of the service equipment shall engage a single inspection body approved or recognized by the competent authority of an RID Contracting State/a Contracting Party of ADR. [The manufacturer may use an in-house inspection service according to 1.8.7.7 to perform the procedures of 1.8.7.3.]

6.8.1.5.4 *Initial inspection and tests according to 1.8.7.4*

(a) The manufacturer of the tank shall engage a single inspection body approved or recognized by the competent authority of the country of registration or the country of manufacture to take responsibility for the initial inspection and tests. If the country of manufacture is not an RID Contracting State/a Contracting Party to ADR, a manufacturer shall engage a single inspection body approved or recognized by the competent authority of the country of registration to take responsibility for the initial inspection and tests.

(b) If the service equipment is type approved separately from the tank, the manufacturer of the service equipment shall engage the same single inspection body engaged for the purposes of 6.8.1.5.3(b) to take responsibility for the initial inspection and tests. [The manufacturer may use an in-house inspection service according to 1.8.7.7 to perform the procedures of 1.8.7.4.]

6.8.1.5.5 *Entry into service verification according to 1.8.7.5*

*NOTE: The competent authority shall respect reciprocal recognition agreements between RID Contracting States/Contracting Parties of ADR when considering entry into service verifications.*

(ADR:) The competent authority of the country of first registration may require, on an occasional basis, an entry into service verification of the tank to verify conformity with the applicable requirements.

When the country of registration of a tank-vehicle is changed, the competent authority of the Contracting Party to ADR to which the tank-vehicle is transferred may require, on an occasional basis, an entry into service verification of the tank.

(RID:) The competent authority of the country of first registration may require, on an occasional basis, an entry into

The competent authority of the country of first registration may require, on an occasional basis, an entry into service verification of the tank to verify conformity with the applicable requirements.

When the country of registration of a tank-container is changed, the competent authority of the RID Contracting State/Contracting Party to ADR to which the tank-container is transferred may require, on an occasional basis an entry into service verification.

service verification of the tank to verify conformity with the applicable requirements<sup>1</sup>.

When the country of registration of a tank-wagon is changed, the competent authority of the RID Contracting State to which the tank-wagon is transferred may require, on an occasional basis, an entry into service verification of the tank.

To perform the entry into service verification, the owner or operator of the tank shall engage a single inspection body different to the inspection bodies engaged for the original type examination, supervision of manufacture or initial inspection. The inspection body engaged for the entry into service verification shall be approved by the competent authority of the country of registration or, if no such inspection body exists, the inspection body shall be recognized by the competent authority of the country of registration. The entry into service verification shall consider the condition of the tank and shall ensure that the requirements of RID/ADR are fulfilled.

6.8.1.5.6 *Intermediate, periodic or exceptional inspection according to 1.8.7.6*

The intermediate or periodic or exceptional inspection shall be performed:

(ADR:) in the country of registration by an inspection body approved or recognized by the competent authority of that country.

(RID:) by an inspection body approved or recognized by the competent authority of the country where the inspection takes place or by an inspection body approved or recognized by the competent authority of the country of registration.

by an inspection body approved or recognized by the competent authority of the RID Contracting State/Contracting Party to ADR where the inspection takes place or by an inspection body approved or recognized by the competent authority of the country of registration.

The owner or operator of the tank, or its authorized representative, shall engage a single inspection body for each intermediate, periodic or exceptional inspection.”

6.8.2.1.16 In the second paragraph, delete: “or by a body designated by that authority”.

6.8.2.2.2 In the last sentence, delete: “or by a body designated by that authority”.

6.8.2.3 Amend the title to read as follows: “Type examination and type approval”.

Add the new 6.8.2.3.1 to read as follows:

“6.8.2.3.1 *Type examination*

The provisions in 1.8.7.2.1 shall be applied.

A manufacturer of service equipment for which a standard is listed in the table in 6.8.2.6.1 or 6.8.3.6 may request a separate type examination. This separate

<sup>1</sup> For those tank-wagons that have received a vehicle authorization from the European Union Agency for Railways (ERA) in accordance with Article 21 of Directive (EU) 2016/797 and Commission Implementing Regulation (EU) 2018/545, this authorization shall be sufficient and no entry into service verification shall be required to confirm the conformity of the tank for the purpose of registering the tank-wagon in the National Vehicle Register (NVR).

type examination shall be taken into account during the type examination of the tank.”

Replace: “6.8.2.3.1” by “6.8.2.3.2”.

In the new 6.8.2.3.2, add the following title: “*Type approval*”.

Amend the first paragraph to read as follows:

“The competent authority shall issue in respect of each new type of tank-wagon/tank vehicle, demountable tank, tank-container, tank swap body, battery-wagon/battery-vehicle or MEGC a certificate attesting that the type, including fastenings, which has been examined, is suitable for the purpose for which it is intended and meets the construction requirements of 6.8.2.1, the equipment requirements of 6.8.2.2 and the special conditions for the classes of substances carried.”

After: “The certificate shall show”, add: “in addition to the items listed in 1.8.7.2.2.1”.

Delete the first indent: “- the results of the test;”

After the last indent insert the following Note:

“NOTE: Annex B of EN 12972:2018 describing the type as well as the list of authorized service equipment for the tank type, or equivalent documents shall be attached to or included in the certificate.”

Amend the fifth paragraph to read as follows:

“When the manufacturer of service equipment has carried out a separate type examination and when he requests it, the competent authority shall issue a certificate attesting that the type which has been examined meets the standard listed in the table in 6.8.2.6.1 or 6.8.3.6.”

Replace “6.8.2.3.2” by “6.8.2.3.3”

6.8.2.3.3 Delete the current text.

6.8.2.3.4 Amend the text to read as follows:

“In accordance with 1.8.7.2.2.3, the competent authority shall issue a supplementary approval certificate for the modification in the case of a modification of a tank, battery wagon/vehicle or MEGC with a valid, expired or withdrawn type approval.”

6.8.2.4.1 and 6.8.2.4.2 Replace footnote <sup>12</sup> by “In special cases, if agreed by the competent authority, the hydraulic pressure test may be replaced by a pressure test using gas, or if agreed by the inspection body, by using another liquid, where such an operation does not present any danger.”

6.8.2.4.2 In the penultimate paragraph, replace “the expert approved by the competent authority” by “the inspection body”.

6.8.2.4.4 Replace “exceptional check” by “exceptional inspection” (five times).

6.8.2.4.5 Amend the first paragraph to read as follows:

“Certificates shall be issued by the inspection body referred to in 6.8.1.5.4 or 6.8.1.5.6 and shall show the results of the inspections in accordance with 6.8.2.4.1 to 6.8.2.4.4, even in the case of negative results. These certificates shall refer to the list of the substances permitted for carriage in this tank or to the tank code and the alphanumeric codes of special provisions in accordance with 6.8.2.3.2.”

6.8.2.4.6 (RID:) Delete the text and insert “(Deleted)”.

- 6.8.2.5.1 In the tenth indent, replace “stamp of the expert” by “stamp of the inspection body”.
- 6.8.2.6.1 In the first paragraph, replace “1.8.7 or 6.8.2.3” by “1.8.7 and 6.8.2.3” and replace “1.8.7.2.4 or 6.8.2.3.3” by “1.8.7.2.2”.
- In the table, for “EN 14432:2014” and “EN 14433:2014”, replace “6.8.2.3.1” by “6.8.2.3.2”.
- 6.8.2.6.2 Amend the title to read as follows: “Type examination, inspection and test”.
- In the first sentence, add “the type examination and” before “the inspection”.
- 6.8.3.3 Amend the title to read as follows: “Type examination and type approval”.
- 6.8.3.4.4 Replace “an expert approved by the competent authority” and “an approved expert” by “an inspection body”.
- 6.8.3.4.7 and 6.8.3.4.8 Replace “the approved expert” by “the inspection body”.
- 6.8.3.4.13 In footnote <sup>19/12</sup>, replace “the expert approved by the competent authority” by “the competent authority”.
- 6.8.3.4.14 Replace “the competent authority or its authorized body” by “the competent authority”.
- 6.8.3.4.18 In the first paragraph, replace “the expert approved by the competent authority” by “the inspection body”.
- In the second paragraph, replace “6.8.2.3.1” by “6.8.2.3.2”.
- 6.8.3.5.6 (a) Replace “(see 6.8.2.3.1)” by “(see 6.8.2.3.2)”.
- 6.8.3.5.10 In the last indent, replace “stamp of the expert” by “stamp of the inspection body”.
- 6.8.3.5.11 (RID:) In the left-hand column, replace “(see 6.8.2.3.1)” by “(see 6.8.2.3.2)”.
- (RID/ADR:) In the right-hand column, replace “(see 6.8.2.3.1)” by “(see 6.8.2.3.2)”.
- 6.8.3.6 In the first paragraph, replace “1.8.7.2.4” by “1.8.7.2.2.2”.
- 6.8.3.7 Amend the third paragraph to read as follows:
- “The procedure for periodic inspections shall be specified in the type approval if the standards referenced in 6.2.2, 6.2.4 or 6.8.2.6 are not applicable or shall not be applied.”
- 6.8.4 (c), special provision TA4 Amend the text to read as follows:
- “The conformity assessment procedures of section 1.8.7 shall be applied by the competent authority or the inspection body conforming to 1.8.6.3 and accredited according to EN ISO/IEC 17020:2012 (except clause 8.1.3) type A.”
- 6.8.4 (d), special provision TT2 Replace “an expert approved by the competent authority” by “an inspection body”.
- 6.8.4 (d), special provision TT9 Amend the text to read as follows:
- “For inspections and tests (including supervision of the manufacture) the procedures of section 1.8.7 shall be applied by the competent authority or the inspection body conforming to 1.8.6.3 and accredited according to EN ISO/IEC 17020:2012 (except clause 8.1.3) type A.”

(ADR:)

6.8.4 (d), special provision TT11 At the end of the first paragraph, replace “the competent authority, its delegate or inspection body” by: “the competent authority or the inspection body”.

## Annex II

### Proposed amendments to Chapter 6.2

Amend 6.2.2.11 to read as follows:

**“6.2.2.12 Equivalent procedures for conformity assessment and periodic inspection and test**

For UN pressure receptacles the requirements of 6.2.2.5 and 6.2.2.6 are considered to have been complied with when the following procedures are applied:

Procedure	Relevant body
Type examination and type approval certificate issue (1.8.7.2) *	Xa
Supervision of manufacture (1.8.7.3) and initial inspection and tests (1.8.7.4)	Xa or IS
Periodic inspection (1.8.7.6)	Xa or Xb or IS
* When an inspection body is designated by the competent authority to issue the type approval certificate, the type examination shall be performed by that inspection body.	

Each procedure as defined in the table shall be performed by a single relevant body as indicated in the table.

For refillable pressure receptacles, the conformity assessment of valves and other demountable accessories having a direct safety function may be carried out separately from that of the pressure receptacles.

Xa means the competent authority or inspection body conforming to 1.8.6.3 and accredited according to EN ISO/IEC 17020:2012 (except clause 8.1.3) type A.

Xb means inspection body conforming to 1.8.6.3 and accredited according to EN ISO/IEC 17020:2012 (except clause 8.1.3) type B, working exclusively for the owner or the duty holder responsible for the pressure receptacles.

IS means an in-house inspection service of the manufacturer or an enterprise with a testing facility under the surveillance of an inspection body conforming to 1.8.6.3 and accredited according to EN ISO/IEC 17020:2012 (except clause 8.1.3) type A. The in-house inspection service shall be independent from design process, manufacturing operations, repair and maintenance.

If an in-house inspection service has been used for the initial inspection and tests, the mark specified in 6.2.2.7.2 (d) shall be supplemented with the mark of the in-house inspection service.

If an in-house inspection service has carried out the periodic inspection, the mark specified in 6.2.2.7.7 (b) shall be supplemented with the mark of the in-house inspection service.”

Amend 6.2.3.6.1 to read as follows:

**“6.2.3.6.1** The procedures for conformity assessment and periodic inspection of section 1.8.7 shall be performed by the relevant body according to the following table.

Procedure	Relevant body
Type examination and type approval certificate issue (1.8.7.2) *	Xa
Supervision of manufacture (1.8.7.3) and initial inspection and tests (1.8.7.4)	Xa or IS

Periodic inspection (1.8.7.6)	Xa or Xb or IS
<i>* The type approval certificate shall be issued by the inspection body that performed the type examination.</i>	

Each procedure as defined in the table shall be performed by a single relevant body as indicated in the table.

For refillable pressure receptacles, the conformity assessment of valves and other demountable accessories having a direct safety function may be carried out separately from the pressure receptacles. For non-refillable pressure receptacles, the conformity assessment of valves and other demountable accessories having a direct safety function shall be carried out together with the assessment of the pressure receptacles.

Xa means the competent authority or inspection body conforming to 1.8.6.3 and accredited according to EN ISO/IEC 17020:2012 (except clause 8.1.3) type A.

Xb means inspection body conforming to 1.8.6.3 and accredited according to EN ISO/IEC 17020:2012 (except clause 8.1.3) type B, working exclusively for the owner or the duty holder responsible for the pressure receptacles.

IS means an in-house inspection service of the manufacturer or an enterprise with a testing facility under the surveillance of an inspection body conforming to 1.8.6.3 and accredited according to EN ISO/IEC 17020:2012 (except clause 8.1.3) type A. The in-house inspection service shall be independent from design process, manufacturing operations, repair and maintenance.

If an in-house inspection service has been used for the initial inspection and tests, the mark specified in 6.2.2.7.2 (d) shall be supplemented with the mark of the in-house inspection service.

If an in-house inspection service has carried out the periodic inspection, the mark specified in 6.2.2.7.7 (b) shall be supplemented with the mark of the in-house inspection service.”

**6.2.3.8** Replace “1.8.6” by “1.8.6.3”.

**6.2.3.9.3** Add the following sub-paragraphs at the end (including a reference to the existing footnote <sup>2</sup>):

“The requirements of 6.2.2.7.4 (n) shall be replaced by the following:

- (n) The manufacturer’s mark. When the country of manufacture is not the same as the country of approval, then the manufacturer's mark shall be preceded by the character(s) identifying the country of manufacture as indicated by the distinguishing sign used on vehicles in international road traffic<sup>2</sup>. The country mark and the manufacturer’s mark shall be separated by a space or slash.”.

**6.2.4.1** In the first sub-paragraph, replace “1.8.7.2.4” by “1.8.7.2.2.2”.

## Annex III

### Proposed amendments to section 1.8.7

New text is underlined and deleted text is ~~struck through~~.

**“1.8.7        Procedures for conformity assessment, type approval certificate issue and periodic inspections”**

*NOTE 1: In this section, "relevant body" means a body as assigned in Chapters 6.2 and 6.8.6.2.2.11 when certifying UN pressure receptacles, in 6.2.3.6 when approving non UN pressure receptacles and in special provisions T44 and TT9 of 6.8.4.*

*NOTE 2: In this section, "manufacturer" means the enterprise who is responsible to the competent authority for all aspects of the conformity assessment and for ensuring the conformity of construction whose name and mark appear in the approvals and on the markings. It is not essential that the enterprise is directly involved in all stages of the construction of tanks, elements of battery-wagons/battery-vehicles, MEGCs, or pressure receptacles, or structural or service equipment which is subject of the conformity assessment.*

**1.8.7.1        General provisions**

1.8.7.1.1        The procedures in section 1.8.7 shall be applied ~~according to~~ as specified in Chapters 6.2 and 6.8.6.2.3.6 when approving non UN pressure receptacles and according to T44 and TT9 of 6.8.4 when approving tanks, battery-vehicles/battery wagons and MEGCs.

~~The procedures in section 1.8.7 may be applied according to the table in 6.2.2.11 when certifying UN pressure receptacles.~~

If the competent authority performs the tasks itself, the competent authority shall meet the provisions of this section.

1.8.7.1.2        Each application for

- (a)    ~~The type approval examination~~ in accordance with 1.8.7.2.1; or
- (b)    The type approval certificate issue in accordance with 1.8.7.2.2;
- (~~b~~c)    The supervision of manufacture in accordance with 1.8.7.3 ~~and~~ or
- (~~d~~)    ~~€The initial inspection and tests in accordance with 1.8.7.4; or~~

shall be lodged by the manufacturer with a competent authority or an inspection body, as applicable, in conformity with Chapters 6.2 and 6.8.

Each application for

- (e)    The entry into service verification in accordance with 1.8.7.5; or
- (~~e~~f)    The periodic inspection, intermediate inspection and exceptional inspection ~~checks~~ in accordance with 1.8.7.6

shall be lodged by the owner or its authorized representative, or by the operator or its authorized representative, applicant with a single competent authority, its delegate or an approved inspection body of his choice.

When the in-house inspection service is authorized for (c), (d), or (f), it is not necessary to lodge an application for (c), (d), or (f).

1.8.7.1.3        The application shall include:

- (a)    The name and address of the applicant according to 1.8.7.1.2;
- (~~b~~)    ~~For conformity assessment where the applicant is not the manufacturer, the name and address of the manufacturer~~

- (eb) A written declaration that the same application has not been lodged with any other competent authority, ~~its delegate~~ or inspection body;
- (ec) The relevant technical documentation ~~specified~~ in 1.8.7.87;
- (ed) A statement allowing the competent authority, ~~its delegate~~ or the inspection body, as appropriate, access for conformity assessment or inspection purposes to the locations of manufacture, inspection, testing and storage and providing it with all necessary information to perform their tasks.
- 1.8.7.1.4 ~~Where the applicant can demonstrate to the satisfaction of the competent authority or its delegated inspection body conformity with 1.8.7.6 the applicant may establish an in-house inspection service which may perform part or all of the inspections and tests when specified in 6.2.2.11 or 6.2.3.6.~~
- Where the manufacturer or an enterprise with a testing facility is allowed to establish an in-house inspection service according to 6.2.2.12, 6.2.3.6.1 [6.8.1.5.3 (b) or 6.8.1.5.4 (b)], it shall demonstrate to the satisfaction of the inspection body that the in-house inspection service is able to perform inspections and tests in conformity with 1.8.7.
- 1.8.7.1.5 ~~Design +~~ Type approval certificates, and inspection certificates of conformity and reports for the products (pressure receptacles, tanks, elements and structural and service equipment or battery-wagons/battery-vehicles or MEGCs), including the technical documentation, shall be retained-kept:
- (a) ~~by the manufacturer or by the applicant for the type approval, if he is not the manufacturer, and for a period of at least 20 years starting from the last expiry date of production of products of the same type approval;~~
- (b) by the issuing competent authority or the issuing inspection body, who issued the certificate, for a period of at least 20 years starting from the last issuing date of production of products of the same type;
- (c) by the owner or operator for a period of at least 15 months after the product is taken out of service.
- 1.8.7.1.6 ~~When a manufacturer or owner intends to cease operation, he shall send the documentation to the competent authority. The competent authority shall then retain the documentation for the rest of the period specified in 1.8.7.1.5.~~
- 1.8.7.2 Type examination and type approval certificate issue**
- ~~Type approvals authorize the manufacture of pressure receptacles, tanks, battery vehicles or MEGCs within the period of validity of that approval.~~
- 1.8.7.2.1 Type examination
- 1.8.7.2.1.1 The ~~manufacturer applicant~~ shall:
- (a) In the case of pressure receptacles, place at the disposal of the ~~relevant inspection~~ inspection body representative samples of the production envisaged. The ~~relevant-inspection~~ inspection body may request further samples if required by the test programme;
- (b) In the case of tanks, battery-vehicles/battery-wagons or MEGCs, give access to the prototype for type testing;
- (c) In the case of service equipment, place at the disposal of the inspection body representative samples of the production envisaged. The inspection body may request further samples if required by the test programme.

NOTE: The results of assessments and tests according to other regulations or standards may be taken into account.

1.8.7.2.1.2 The ~~relevant inspection~~ body shall:

- (a) Examine the technical documentation specified in 1.8.7.87.1 to verify that the design is in accordance with the relevant provisions of RID/ADR, and the prototype or the prototype lot has been manufactured in conformity with the technical documentation and is representative of the design;
- (b) Perform the examinations and the tests, or perform the examinations and verify the test conditions and supervise the tests on site, as specified in RID/ADR, including the relevant standards, to determine that the provisions have been applied and fulfilled, and the procedures adopted by the manufacturer meet the requirements;
- (c) Check the material(s) certificate(s) issued by the ~~materials~~ manufacturer(s) of the materials against the relevant provisions of RID/ADR;
- (d) As applicable, approve the procedures for the permanent joining of parts or check that they have been previously approved, and verify that the staff undertaking the permanent joining of parts and the non-destructive tests are qualified or approved;
- (e) Agree with the manufacturer ~~applicant~~ the location(s) ~~and testing facilities~~ where the examinations and necessary tests are to be carried out.

The ~~relevant inspection~~ body shall issue a ~~type examination~~ report of the type examination to the ~~applicant~~ manufacturer.

1.8.7.2.23 *Type approval certificate issue*

Type approvals authorize the construction of products within the period of validity of that approval.

1.8.7.2.2.1 Where the type satisfies all applicable provisions, the competent authority, ~~or its delegate~~ or the inspection body, shall issue a type approval certificate to the ~~applicant~~ manufacturer in conformity with Chapters 6.2 and 6.8.

This certificate shall contain:

- (a) The name and address of the issuer;
- (b) The competent authority under whom the certificate is issued;
- (c) The name and address of the manufacturer ~~and of the applicant when the applicant is not the manufacturer;~~
- (d) A reference to the version of RID/ADR and standards used for the type examination;
- (e) Any requirements resulting from the type examination;
- (f) The necessary data for identification of the type and variation, as defined by the relevant standard;
- (g) The reference to the type examination report(s); ~~and~~
- (h) The maximum period of validity of the type approval; and
- (i) Any specific requirements in accordance with Chapters 6.2 and 6.8.

A list of the relevant parts of the technical documentation shall be annexed to the certificate (see 1.8.7.87.1).

1.8.7.2.42.2 The type approval shall be valid for a maximum of ten years. If within that period, the relevant technical requirements of RID/ADR, ~~(including the referenced standards),~~ have changed so that the approved type is no longer in conformity with them, ~~the relevant body which issued then~~ the type approval is no longer valid. If within that period, the withdrawal date according to

column (3) of the tables in 6.2.2.1 ad 6.2.2.3 or column (5) of the tables in 6.2.4.1 and 6.8.2.6.1 or 6.8.3.6 applies, the type approval is also no longer valid. ~~shall withdraw it and inform the holder of the type approval. It shall then be withdrawn by the competent authority or the inspection body which issued the type approval certificate.~~

*NOTE: For the ~~ultimate~~ latest dates for withdrawal of existing type approvals, see column (5) of the tables in 6.2.4.1 and 6.8.2.6.1 or 6.8.3.6 as appropriate.*

If a type approval has expired, or has been withdrawn, the manufacture of the products pressure receptacles, tanks, battery vehicles/battery wagons or MEGCs according to that type approval is no longer authorized.

*NOTE: ~~In such a case, t~~The relevant provisions concerning the use, periodic inspection and intermediate inspection of products pressure receptacles, tanks, battery vehicles/battery wagons or MEGCs contained in a the type approval which has expired or has been withdrawn shall continue to apply to these products pressure receptacles, tanks, battery vehicles/battery wagons or MEGCs constructed according to that type approval before the its expiry or the its withdrawal if they may continue to be used.*

Type approvals may be renewed on the basis of by a complete review and assessment a new type examination for conformity. Results of the previous type examination tests shall be taken into account if these tests are still in accordance with the provisions of RID/ADR including the standards applicable at the date of renewal. Renewal is not permitted after a type approval has been withdrawn.

*NOTE: ~~The review and assessment of conformity type examination for renewal can be done~~ may be performed by an inspection body other than the one which issued the original type approval examination report.*

Interim amendments of an existing type approval (e.g. for pressure receptacles minor amendments such as the addition of further sizes or volumes not affecting conformity, or for tanks see 6.8.2.3.32) do not extend or modify the original validity of the certificate.

The issuing body shall keep all documents for the type approval (see 1.8.7.7.1) for the whole period of validity including its renewals if granted.

1.8.7.2.52.3 In the case of a modification of a product pressure receptacle, tank, battery wagon/battery vehicle or MEGC with a valid, expired or withdrawn type approval, the relevant type examination, testing, inspection and approval are limited to the parts of the product pressure receptacle, tank, battery wagon/battery vehicle or MEGC that have been modified.

The modification shall meet the provisions of RID/ADR applicable at the time of the modification. For all parts of the product pressure receptacle, tank, battery wagon/battery vehicle or MEGC not affected by the modification, the documentation of the initial type approval remains valid.

A modification may apply to one or more product(s) pressure receptacle, tank, battery wagon/battery vehicle or MEGC covered by a the same type approval.

Where the modified product pressure receptacle, tank, battery wagon/battery vehicle or MEGC satisfies all applicable provisions, a supplementary approval A-certificate approving for of the modification shall be issued to the owner or operator applicant by the competent authority or inspection body of any RID Contracting State/Contracting Party to ADR or by a body designated by this authority in conformity with Chapters 6.2 and 6.8. For tanks, battery-vehicles/battery-wagons or MEGCs, a copy shall be kept as part of the tank record.

~~Each application for an approval certificate for a modification shall be lodged by the applicant with a single competent authority or body designated by this authority.~~

### 1.8.7.3 *Supervision of manufacture*

1.8.7.3.1 ~~The manufacturing process shall be subject to a survey by the relevant body to ensure the product is produced in conformity with the provisions of the type approval.~~

~~1.8.7.3.2 The manufacturer applicant shall take all the necessary measures to ensure that the manufacturing process complies with the applicable provisions of RID/ADR and of the type approval certificate, and its annexes the technical documentation according to 1.8.7.8.3 and reports.~~

1.8.7.3.23 The manufacturing process shall be subject to supervision by the relevant body.

The relevant body shall:

- (a) ~~Verify the conformity with the technical documentation specified in 1.8.7.87.32 and with the applicable provisions of RID/ADR and of the type approval certificate and reports;~~
- (b) Verify that the manufacturing process produces products in conformity with the requirements and the documentation which apply to it;
- (c) Verify the traceability of materials and check the material(s) certificate(s) against the specifications;
- (d) As applicable, verify that the personnel undertaking the permanent joining of parts and the non-destructive tests are qualified or approved;
- (e) Agree with the manufacturer applicant on the location where the examinations and necessary tests are to be carried out; and
- (f) ~~Record~~ Provide a written report of the results of its survey the supervision of manufacture.

### 1.8.7.4 *Initial inspection and tests*

1.8.7.4.1 The manufacturer applicant shall:

- (a) Affix the marks specified in RID/ADR; and
- (b) Supply to the relevant body the technical documentation specified in 1.8.7.8.47.

1.8.7.4.2 The relevant body shall:

- (a) ~~Perform the examinations and the tests, or perform the examinations and verify the test conditions and supervise the tests on site to ensure that the product is manufactured in accordance with the type approval and the relevant provisions;~~
- (b) Check the certificates supplied by the manufacturers of service equipment against the service equipment;
- (c) Issue an initial inspection and tests report ~~to the applicant~~ relating to the detailed tests and verifications carried out and the verified technical documentation;
- (d) ~~Issue~~ Draw up an written certificate of conformity of the manufacture initial inspection and tests certificate and affix its ~~registered~~ mark when the manufacture satisfies the provisions; and
- (e) Check if the type approval remains valid after provisions of RID/ADR (including the referenced standards) relevant to the type approval have changed. If the type approval is no longer valid, the relevant body shall

issue a refusal inspection report and inform the competent authority or the inspection body which issued the type approval certificate.

The certificate in (d) and report in (c) may cover a number of products items of the same type (group certificate or report).

1.8.7.4.3 The certificate in 1.8.7.4.2 (d) shall contain as a minimum:

- (a) The name and address of the ~~relevant~~ inspection body and the name and address of the in-house inspection service when applicable;
- (b) The name and address of the manufacturer ~~and the name and address of the applicant, if not the manufacturer;~~
- (c) The location of the initial inspection;
- (~~e~~d) A reference to the version of ~~the~~ RID/ADR and the standards used for the initial inspections and tests;
- (~~e~~) The results of the inspections and tests;
- (~~e~~f) The data for identification of the inspected product(s), at least the serial number or for non refillable cylinders the batch number; ~~and~~
- (~~f~~g) The type approval number; and
- (h) The reference to the certificate of authorization of the in-house inspection service when applicable.

#### **1.8.7.5** **Entry into service verification**

1.8.7.5.1 If an entry into service verification is required by the competent authority under 6.8.1.5.5, the owner or operator shall engage a single inspection body to perform this inspection and shall provide it with the type approval certificate and the technical documentation specified in 1.8.7.8.4.

1.8.7.5.2 The inspection body shall review the documentation and:

- (a) Perform external checks (e.g. marking, condition);
- (b) Verify conformity with the type approval certificate;
- (c) Verify the validity of the approvals of the inspection bodies who performed the previous inspections and tests;
- (d) Verify that the transitional measures of 1.6.3 or 1.6.4 have been fulfilled.

1.8.7.5.3 The inspection body shall issue an entry into service verification report that contains the results of the assessment. The owner or operator shall present this report at the request of the competent authority requiring the entry into service verification, and to the inspection body(ies) in charge of subsequent inspections and tests.

In the event of a failed entry into service verification, the non-conformities shall be rectified and a new entry into service verification passed before the tank is used.

The inspection body in charge of the entry into service verification shall, without delay, inform its competent authority of any refusal.

#### **1.8.7.6** **Periodic inspection, intermediate inspection and exceptional inspection checks**

1.8.7.6.1 The relevant body shall:

- (a) Perform the identification and verify the conformity with the documentation;

- (b) Perform the inspections and the tests, or perform the inspections and verify the test conditions and supervise the tests on site in order to check that the requirements are met;
  - (c) Issue reports and certificates, as appropriate, of the results of the inspections and tests, which may cover a number of products-items; and
  - (d) Ensure that the required marks are applied.
- 1.8.7.65.2 Reports of periodic inspections and tests of pressure receptacles shall be retained by the ~~applicant~~ owner or operator at least until the next periodic inspection.

*NOTE: For tanks, see provisions for tank records in 4.3.2.1.7.*

#### **1.8.7.76 *Surveillance of the ~~applicant's~~ in-house inspection service***

1.8.7.76.1 ~~The applicant shall:~~ Where an in-house inspection service is used according to 6.2.2.12, 6.2.3.6.1, [6.8.1.5.3 (b) or 6.8.1.5.4 (b)], the manufacturer or the testing facility shall:

- (a) Implement ~~an in-house inspection service with a quality system for the~~ in-house inspection service, including technical procedures, for inspections and tests documented in 1.8.7.87.65 and subject to surveillance;
  - (b) Fulfil the obligations arising out of the quality system as approved and ~~to ensure that it remains satisfactory and efficient~~ in particular:
    - (i) ~~Appoint~~ Authorize trained and competent personnel for the in-house inspection service; and
    - (ii) ~~Registered~~ identity mark or stamp, as specified in Chapters 6.2 and 6.8, of the inspection body, and the mark of the in-house inspection service where appropriate on the product to ensure traceability.
- 1.8.7.76.2 The inspection body shall carry out an initial audit at each site. If satisfactory the inspection body shall inform the competent authority of the authorization of the in-house inspection service and issue ~~an~~ certificate of authorization for a period not exceeding three years. The following provisions shall be met:
- (a) This audit shall be undertaken at each site to confirm that the inspections and tests performed on the product are in compliance with the requirements of RID/ADR;
  - (b) The inspection body may authorize the in-house inspection service ~~of the applicant~~ to affix the ~~registered~~ identity mark or stamp, as specified in Chapter 6.2 and 6.8, of the inspection body to each approved product;
  - (c) The authorization may be renewed after a satisfactory audit at each site in the last year prior to the expiry. The new period of validity shall begin with the date of expiry of the authorization; ~~and~~
  - (d) The ~~auditors~~ inspectors of the inspection body undertaking the audits shall be competent to carry out the assessment of conformity of the product covered by the quality system and to assess the quality system itself; and
  - (e) The in-house inspection service shall be engaged in activities at a frequency which ensures the necessary level of competence.

The in-house inspection service shall not subcontract any part of the periodic inspections.

1.8.7.7.3 The certificate of authorization shall contain as a minimum:

- (a) The name and address of the inspection body;

- (b) The name and address of the manufacturer or testing facility and addresses of all in-house inspection service sites;
- (c) A reference to the version of RID/ADR used for authorization of the in-house inspection service and standards or recognised technical codes according to 6.2.5 used for initial inspection and tests or periodic inspections;
- (d) The reference to the initial audit report;
- (e) As necessary, further information to define the scope of the in-house inspection service (e.g. type approvals of the products for initial inspection and tests);
- (f) The mark of the in-house inspection service, if applicable; and
- (g) The expiry date.

1.8.7.76.43 The inspection body shall carry out periodic audits at each site within the duration of the authorization to make sure that the ~~applicant~~ in-house inspection service maintains and applies the quality system, including the technical procedures. The following provisions shall be met:

- (a) ~~A minimum of two~~ The audits shall be carried out no later than every 6 in a 12-months period;
- (b) The inspection body may require additional visits, training, technical changes, modifications of the quality system, restrict or prohibit the inspections and tests to be done by the ~~applicant~~ in-house inspection service;
- (c) The inspection body shall assess any changes in the quality system and decide whether the modified quality system ~~will still satisfy~~ the requirements of the initial audit or whether a full reassessment is required;
- (d) The ~~inspectors~~ auditors of the inspection body undertaking the audits shall be competent to carry out the assessment of conformity of the product covered by the quality system and to assess the quality system itself; and
- (e) The inspection body shall provide the manufacturer or the testing facility, as applicable, and the in-house inspection service, with a visit or audit ~~the report of the audit~~ and, if tests have taken place, with a test report.

1.8.7.76.54 In cases of non-conformity with the relevant requirements the inspection body shall ensure that corrective measures are taken. If corrective measures are not taken in due time, the inspection body shall suspend or withdraw the permission for the in-house inspection service to carry out its activities. The notice of suspension or withdrawal shall be transmitted to the competent authority. A report shall be provided to the manufacturer or the testing facility, as applicable, and to the in-house inspection service ~~applicant~~ giving detailed reasons for the decisions taken by the inspection body.

#### 1.8.7.87 **Documents**

The technical documentation shall enable an assessment to be made of conformity with the relevant requirements.

#### 1.8.7.87.1 *Documents for the type ~~approval~~ examination*

The ~~manufacturer~~ applicant shall provide as appropriate:

- (a) The list of standards used for the design and manufacture;
- (b) A description of the type including all variations;

- (c) The instructions according to the relevant column of table A of Chapter 3.2 or a list of dangerous goods to be transported for dedicated products;
- (d) A general assembly drawing or drawings;
- (e) The detailed drawings, including the dimensions used for the calculations, of the product, the service equipment, the structural equipment, the marking and/or the labelling necessary to verify the conformity;
- (f) The calculation notes, results and conclusions;
- (g) The list of the service equipment with the relevant technical data and information on the safety devices including the calculation of the relief capacity if relevant;
- (h) The list of material requested in the standard for manufacture used for every part, sub-part, lining, service and structural equipment and the corresponding material specifications or the corresponding declaration of conformity to RID/ADR;
- (i) The approved qualification of permanent joining processes;
- (j) The description of the heat treatment process(es); and
- (k) The procedures, descriptions and records of all relevant tests listed in the standards or RID/ADR for the type approval and for the manufacture.

1.8.7.8.2 *Documents for the type approval certificate issue*

The manufacturer shall provide as appropriate:

- (a) The list of standards used for the design and manufacture;
- (b) A description of the type, including all variations;
- (c) The instructions according to the relevant column of table A of Chapter 3.2 or a list of dangerous goods to be transported for dedicated products;
- (d) A general assembly drawing or drawings;
- (e) The list of materials in contact with the dangerous goods;
- (f) The list of service equipment;
- (g) The type-examination report; and
- (h) Further documents mentioned under 1.8.7.8.1 on request of the competent authority or inspection body.

1.8.7.8.3 *Documents for the supervision of manufacture*

The manufacturer applicant shall make available provide as appropriate:

- (a) The documents listed in 1.8.7.8.1 and 1.8.7.8.2;
- (b) A copy of the type approval certificate;
- (c) The manufacturing procedures including test procedures;
- (d) The manufacturing records;
- (e) The approved qualifications of permanent joining operators;
- (f) The approved qualifications of the non-destructive test operators;
- (g) The reports of the destructive and non-destructive tests;
- (h) The heat treatment records; and
- (i) The calibration records.

1.8.7.87.43 *Documents for initial inspection and tests, and for entry into service verification*

The manufacturer for initial inspection and tests, and the owner or operator for the entry into service verification ~~applicant shall make available provide~~ as appropriate:

- (a) The documents listed in 1.8.7.87.1, 1.8.7.8.2, and 1.8.7.87.32;
- (b) The material certificates of the product and any sub-parts including the service equipment;
- (c) The ~~declarations certificates~~ of conformity ~~and material certificates~~ of the service equipment; and
- (d) A declaration of conformity including the description of the product and all the variations adopted from the type approval.

1.8.7.87.54 *Documents for periodic inspections, intermediate inspections and exceptional inspection checks*

The ~~applicant~~ owner or operator, or its authorized representative shall ~~make available~~ provide as appropriate:

- (a) For pressure receptacles, the documents specifying special requirements when the manufacturing and periodic inspections and tests standards so require;
- (b) For tanks:
  - (i) the tank record; and
  - (ii) ~~one or more of the any relevant~~ documents mentioned in 1.8.7.87.1 to 1.8.7.87.43 if requested by the inspection body.

1.8.7.87.65 *Documents for the surveillance assessment of in-house inspection service*

The ~~applicant for~~ in-house inspection service shall ~~make available~~ provide the quality system documentation as appropriate:

- (a) The organizational structure and responsibilities;
- (b) The relevant inspection and test, quality control, quality assurance and process operation instructions, and systematic actions that will be used;
- (c) The quality records, such as inspection reports, test data, calibration data and certificates;
- (d) The management reviews to ensure the effective operation of the quality system arising from the on-site audits in accordance with 1.8.7.76;
- (e) The process describing how customer and regulation requirements are met;
- (f) The process for control of documents and their revision;
- (g) The procedures for dealing with non-conforming products; and
- (h) The training programmes and qualification procedures for relevant personnel.

1.8.7.8 *Products manufactured, approved, inspected and tested according to standards*  
The requirements of 1.8.7.7 are considered to have been complied with if the following standards, as relevant, are applied:

Applicable subsection and paragraph	References	Title of the document
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1.8.7.7.1 to 1.8.7.7.4	EN 12972:2018	Tanks for transport of dangerous goods— Testing, inspection and marking of metallic tanks
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## Annex IV

### Proposed amendments to section 1.8.6

New text is underlined, and deleted text is ~~struck through~~.

**“1.8.6 Administrative controls for the activities application of the conformity assessments, periodic inspections, intermediate inspections and exceptional checks described in 1.8.7 and 1.8.8”**

NOTE 1: For the purpose of this section the terms:

- "approved inspection body" means an inspection body approved by the competent authority to perform different activities according to 1.8.6.1, and
- "recognized inspection body" means an approved inspection body recognized by another competent authority.

NOTE 2: An inspection body may be designated by the competent authority to act as the competent authority (see the definition of competent authority in 1.2).

#### **1.8.6.1 ~~Approval of inspection bodies~~ General Rules**

The competent authority of an RID Contracting State/a Contracting Party to ADR may approve inspection bodies for the following activities: conformity assessments, periodic inspections, intermediate inspections, exceptional inspections checks, entry into service verifications and surveillance of the in-house inspection service as ~~specified in 1.8.7~~ relevant in Chapters 6.2 and 6.8.

#### **1.8.6.2 ~~Operational obligations for~~ of the competent authority, its delegate or inspection body”**

Insert new 1.8.6.2.1

**“1.8.6.2.1 When the competent authority approves an inspection body to perform the activities specified in 1.8.6.1, the accreditation of the inspection body shall be according to EN ISO/IEC 17020:2012 (except clause 8.1.3) type A requirements.**

When the competent authority approves an inspection body to perform periodic inspections of receptacles according to Chapter 6.2, the accreditation of the inspection body shall be according to EN ISO/IEC 17020:2012 (except clause 8.1.3) type A requirements or type B requirements.

The accreditation shall clearly cover the activities of the approval.

When the competent authority does not approve inspection bodies, but performs these tasks itself, the competent authority shall comply with the provisions of 1.8.6.3.

#### **1.8.6.4.2.2 Approval of inspection bodies**

**1.8.6.2.2.1 Type A inspection bodies shall be established under domestic law and be a legal entity in the RID Contracting State/Contracting Party to ADR where the application for approval is made.**

Type B inspection bodies shall be established under domestic law and be part of a legal entity supplying gas in the RID Contracting State/Contracting Party to ADR where the application for approval is made.

**1.8.6.2.2.2 The period of validity of the approval issued by the competent authority shall not exceed 5 years. Within this period, the approval ends as soon as the inspection body does not meet the conditions for its approval. However, in the**

case of suspension of the accreditation, the approval is only suspended during the suspension period of the accreditation.

1.8.6.2.2.3 An inspection body starting a new activity may be approved temporarily. Before temporary approval, the competent authority shall ensure that the inspection body meets the requirements of 1.8.6.3.1 the standard EN ISO/IEC 17020:2012 (except clause 8.1.3). The inspection body shall be accredited according to EN ISO/IEC 17020:2012 (except clause 8.1.3) in its first year of activity to be able to continue this new activity.

1.8.6.2.3 *Monitoring of inspection bodies*

1.8.6.2.3.1 Wherever the activities of an inspection body are performed, the competent authority that approved this body shall ensure the monitoring of the inspection activities of this bodies, including on-site monitoring, and The competent authority shall revoke or restrict the approval given, if it notes that an this approved inspection body is no longer in compliance with the approval, and the requirements of 1.8.6.3.1 4.8.6.8 or does not follow the procedures specified in the provisions of RID/ADR.

*NOTE: Monitoring of subcontractors as mentioned in 1.8.6.3.3 by the inspection body shall also be included in the monitoring of the inspection body.*

1.8.6.2.3.2 If the approval of the inspection body is revoked or restricted or if the inspection body ceased activity, the competent authority shall take the appropriate steps to ensure that the files are either processed by another inspection body or kept available.

1.8.6.2.4 *Information obligations*

1.8.6.2.4.1 RID Contracting States/Contracting Parties to ADR shall publish their national procedures for the assessment, ~~appointment~~ approval and monitoring of inspection bodies and of any changes to that information.

1.8.6.2.4.2 The competent authority of the RID Contracting State/Contracting Party to ADR shall publish an up-to-date list of all the inspection bodies it has approved, including inspection bodies approved temporarily as described in 1.8.6.2.2.3. This list shall at least contain the following information:

- (a) Name, address(es) of the office(s) of the inspection body;
- (b) The scope of activities for which the inspection body is approved;
- (c) Confirmation that the inspection body is accredited according to EN ISO/IEC 17020:2012 (except clause 8.1.3) by the national accreditation body and that the accreditation covers the scope of activities for which the inspection body is approved;
- (d) The identity mark or stamp, as specified in Chapters 6.2 and 6.8, of the inspection body and the mark of any in-house inspection service authorized by the inspection body.

A reference to this list shall be made on the website of the OTIF/UNECE.

1.8.6.2.4.3 An inspection body approved by a competent authority may be recognized by another competent authority.

The competent authority shall add this inspection body, the scope of activities for which it is recognized, and the competent authority that approved the inspection body, to the list mentioned in 1.8.6.2.4.2 and inform the secretariat of OTIF/UNECE. If the approval is withdrawn or suspended the recognition is no longer valid.

*NOTE: In that context, reciprocal recognition agreements between RID Contracting States/Contracting Parties to ADR shall be respected.*

1.8.6.2.3 ~~**Operational obligations for of the competent authority, its delegate or inspection bodies**~~

1.8.6.8-3.1 *General rules*

The inspection body shall:

- (a) Have a staff with an organizational structure, capable, trained, competent and skilled, to satisfactorily perform its technical functions;
- (b) Have access to suitable and adequate facilities and equipment;
- (c) Operate in an impartial manner and be free from any influence which could prevent it from doing so;
- (d) Ensure commercial confidentiality of the commercial and proprietary activities of the manufacturer and other bodies;
- (e) Maintain clear demarcation between actual inspection body functions and unrelated functions;
- (f) Have a documented quality management system, equivalent to that set out in EN ISO/IEC 17020:2012 (except clause 8.1.3);
- (g) Ensure that the tests and inspections specified in the relevant standards and in RID/ADR are performed;
- (h) Maintain an effective and appropriate report and record system in accordance with 1.8.7 and 1.8.8;
- (i) Be free from any commercial or financial pressure and not remunerate its personnel depending on the number of the inspections carried out or on the results of those inspections;
- (j) Have a liability insurance covering the risks in relation to the conducted activities;

*NOTE: This is not necessary if the RID Contracting State/Contracting Party to ADR assumes liability in accordance with domestic law.*

- (k) Have person(s) responsible for carrying out the inspections who shall:
  - Not be directly involved in the design, manufacture, supply, installation, purchase, ownership, use or maintenance of the product (pressure receptacle, tank, battery-vehicle/battery-wagon or MEGC) to be inspected;
  - Have been trained in all aspects of the activities in relation to which the inspection body has been approved;
  - Have appropriate knowledge, technical skills and understanding of the applicable requirements, of the applicable standards and of the relevant provisions of Parts 4 and 6;
  - Have the ability to draw up certificates, records and reports demonstrating that assessments have been carried out;
  - Observe professional secrecy with regard to information obtained in carrying out their tasks or any provision of domestic law giving effect to it, except in relation to the competent authorities of the RID Contracting State/Contracting Party to ADR in which its activities are carried out. At the request of other inspection bodies, information may be shared as far as necessary for the performance of inspections and tests.

The inspection body shall additionally be accredited according to the standard EN ISO/IEC 17020:2012 (except clause 8.1.3),

1.8.6.3.2 *Operational obligations for the competent authority, its delegate or inspection body*1.8.6.3.2.1 The competent authority, ~~its delegate~~ or inspection body shall carry out conformity assessments, periodic inspections, intermediate inspections, ~~and~~

exceptional inspections—checks and entry into service verifications in a proportionate manner, avoiding unnecessary burdens. The competent authority, ~~its delegate~~ or inspection body shall perform its activities taking into consideration the size, the sector and the structure of the undertakings involved, the relative complexity of the technology and the serial character of production.

1.8.6.3.2.2 ~~Nevertheless~~ The competent authority, ~~its delegate~~ or inspection body shall respect the degree of rigour and the level of protection required for the compliance ~~of the transportable equipment by~~ with the provisions of Parts 4 and 6 as applicable.

1.8.6.3.2.3 Where a competent authority, ~~its delegate~~ or inspection body finds out that requirements laid down in Parts 4 or 6 have not been met by the manufacturer, it shall require the manufacturer to take appropriate corrective measures and it shall not issue any type approval certificate or initial inspection and test certificate of conformity until the appropriate corrective measures have been implemented.

1.8.6.4.3.3 *Delegation of inspection tasks*

***NOTE:** Type B inspection bodies [and in-house inspection services] according to 1.8.7.6 are not allowed to delegate the activities for which they are approved [or authorized] covered by 1.8.6.4.*

1.8.6.4.3.3.1 Where an inspection body uses the services of ~~any other entity (e.g. a subcontractor, subsidiary),~~ to carry out specific tasks connected with its activities, the conformity assessment, periodic inspection, intermediate inspection or exceptional checks ~~this entity~~ the subcontractor shall be ~~included in the accreditation of~~ assessed and monitored by the inspection body, or it shall be accredited separately. In the case of separate accreditation, ~~this entity~~ the subcontractor shall be duly accredited according to standard EN ISO/IEC 17025:2017 (except clause 8.1.3) and shall be recognized by the inspection body as an independent and impartial testing laboratory in order to perform testing tasks in accordance with its accreditation, or it shall be accredited according to standard or EN ISO/IEC 17020:2012 (except clause 8.1.3) as an independent and impartial testing laboratory or inspection body in order to perform testing tasks in accordance with its accreditation. The inspection body shall ensure that this subcontractor ~~entity~~ meets the requirements set out for the tasks given to it with the same level of competence and safety as laid down for inspection bodies (see ~~1.8.6.3.1–1.8.6.8~~) and the inspection body shall monitor it. The inspection body shall inform the competent authority about the above-mentioned arrangements.

1.8.6.4.3.3.2 The inspection body shall take full responsibility for the tasks performed by such ~~entities~~ subcontractors wherever the tasks are performed by them.

1.8.6.4.3.3.3 The type A inspection body may delegate only a part of each of its activities ~~the whole task of conformity assessment, periodic inspection, intermediate inspection or exceptional checks.~~ In any case, the assessment and the issue of certificates shall be carried out by the inspection body itself.

1.8.6.4.3.3.4 Activities shall not be delegated without the agreement of the ~~applicant~~ manufacturer, owner or operator as appropriate.

1.8.6.4.3.3.5 The inspection body shall keep at the disposal of the competent authority the relevant documents concerning the assessment of the qualifications and the work carried out by the above-mentioned subcontractors ~~entities~~.

1.8.6.5.3.4 *Information obligations for inspection bodies*

Any inspection body shall inform the competent authority, which had approved it, of the following:

- (a) Except when the provisions of 1.8.7.2.2.24 apply, any refusal, restriction, suspension or withdrawal of type approval certificates;
- (b) Any circumstance(s) affecting the scope of and conditions for the approval as granted by the competent authority;
- (c) Any refusal of inspection certificates;
- (d) Any request for information on ~~conformity assessment~~ activities performed which they have received from competent authorities monitoring compliance according to 1.8.1 or 1.8.6.6 this section;
- (e) On request, all ~~conformity assessment~~ activities performed within the scope of their approval, ~~and any other activity performed~~, including delegation of tasks
- (f) Any authorization or suspension or withdrawal of an in-house inspection service.”

## Annex V

### Transitional measures

Add the following new sub-sections:

#### Chapter 1.6

“1.6.3.x Procedures and mutual recognition used by the competent authority for the approval of experts performing activities concerning tanks-wagons / Procedures used by the competent authority for the approval of experts performing activities concerning fixed tanks (tank vehicles) and demountable tanks intended for the carriage of substances other than those for which TA4 and TT9 of 6.8.4 apply which conform to the requirements of Chapter 6.8 in force up to 31 December 20[22] but which do not conform to the requirements of Chapter 6.8 applicable to inspection bodies from 1 January 20[23] may continue to be used until 31 December 20[32].

*Note: The term ‘expert’ has been replaced by the term ‘inspection body’.*

1.6.4.x Except in relation to 6.8.1.5, second paragraph, second indent, procedures used by the competent authority for the approval of experts performing activities concerning tank-containers intended for the carriage of substances other than those for which TA4 and TT9 of 6.8.4 apply which conform to the requirements of Chapter 6.8 in force up to 31 December 20[22] but which do not conform to the requirements of Chapter 6.8 applicable to inspection bodies from 1 January 20[23] may continue to be used until 31 December 20[32].

*Note: The term ‘expert’ has been replaced by the term ‘inspection body’.*

1.6.3.y Type approval certificates issued for tanks-wagons/fixed tanks (tank vehicles) and demountable tanks intended for the carriage of substances other than those for which TA4 and TT9 of 6.8.4 apply, issued before 1 July 20[23] in compliance with Chapter 6.8 which not comply with 1.8.7 as applicable from 1 January 20[23] may continue to be used until the end of their validity.

1.6.4.z Type approval certificates issued for tank-containers intended for the carriage of substances other than those for which TA4 and TT9 of 6.8.4 apply, issued before 1 July 20[23] in compliance with Chapter 6.8 which not comply with 1.8.7 as applicable from 1 January 20[23] may continue to be used until the end of their validity.”

## Annex VI

### Consequential amendments

#### Chapter 1.2

- 1.2.1 Delete the definition of “*Applicant*”
- 1.2.1 In the definition of “*Conformity assessment*” replace “type approval” by “type examination”.

#### Chapter 1.4

- 1.4.3.4 (c) Replace “exceptional check” by “exceptional inspection”.

(RID:)

- 1.4.3.5 (b) Replace “exceptional check” by “exceptional inspection”.

#### Chapter 1.8

- 1.8.8 (a) Replace “1.8.7.5” by “1.8.7.6”.
- 1.8.8.1.1 Replace “IS body approved” by “IS authorized” and “IS bodies” by “IS”
- 1.8.8.1.4 Replace “1.8.7.6 excluding 1.8.7.6.1 (d) and 1.8.7.6.2 (b)” by “1.8.7.7 excluding 1.8.7.7.1 (d) and 1.8.7.7.2 (b)”.
- 1.8.8.6 Replace “1.8.7.6 excluding 1.8.7.6.1 (d) and 1.8.7.6.2 (b)” by “1.8.7.7 excluding 1.8.7.7.1 (d) and 1.8.7.7.2 (b)”.
- 1.8.8.7 Replace “1.8.7.7.1, 1.8.7.7.2, 1.8.7.7.3 and 1.8.7.7.5” by “1.8.7.8.1, 1.8.7.8.2, 1.8.7.8.3, 1.8.7.8.4 and 1.8.7.8.6”.

#### Chapter 4.1

- 4.1.4.1 P200 (12) and (13) Replace “IS bodies” by “IS”

#### Chapter 4.3

- 4.3.2.1.5 Replace “6.8.2.3.1” by “6.8.2.3.2”.
- 4.3.2.1.7 In the last paragraph, replace the word “expert” by “inspection body” and the wording “tests, inspections and checks” by “tests and inspections”, and replace the wording “of periodic inspections or exceptional checks” by “of periodic or exceptional inspections”.
- 4.3.3.2.5 Replace the wording “the expert approved by the competent authority” by “the inspection body” (twice).

#### Chapter 6.9

- 6.9.4.4.1 Delete “or a body designated by that authority”.
- 6.9.5.3 Replace the wording “the expert approved by the competent authority” by “the inspection body”.