

*1.8.8.1.3 The applicant shall*

- (a) *carry out a design type examination of each type of gas cartridges (including materials to be used and variations of that type, e.g. volumes, pressures, drawings and closing and release devices) according to 1.8.8.2;*
- (b) *operate an approved quality system for design, manufacture, inspection and testing according to 1.8.8.3 ;*
- (c) *operate an approved testing regime according to 1.8.8.4 for the tests required in 6.2.6;*
- (d) *address for the approval of his quality system for supervision of manufacture and for testing one [relevantXa](#) body of his choice of the Member State/Contracting Party; if the applicant is not established in a Member State/Contracting Party he shall address one [relevantXa](#) body of a Member State/Contracting Party prior to first transport into a Member State/ a Contracting Party;*
- (e) *if the cartridge is finally assembled from parts manufactured by the applicant by one or more other enterprise(s), he shall provide written instructions how to assemble and fill the cartridges to meet the provisions of his type examination certificate.*

1.8.8.1.4 Where the applicant, ~~as well as~~ [and](#) enterprises assembling and/or filling gas cartridges according to the instructions of the applicant, can demonstrate to the satisfaction of the [Xa body competent authority or its delegate or inspection body conforming to 1.8.6.2, 1.8.6.4, 1.8.6.5 and 1.8.8.6](#) [conformity with the provisions of 1.8.7.6 excluding 1.8.7.6.1 \(d\) and 1.8.7.6.2 \(b\)](#), they may establish an in-house inspection service which may perform part or all of the inspections and tests specified in 6.2.6.

1.8.8.2 Design and type examination

1.8.8.2.1 The applicant shall establish the technical documentation as specified in 1.8.8.1.3 (a) for each type of gas cartridges including the technical standard(s) applied. If he chooses to apply a standard not referenced in 6.2.6, he shall add the standard applied to the documentation.

- 1.8.8.2.2 *The applicant shall retain the technical documentation together with samples of that type at the disposal of the ~~relevant~~Xa body during production and afterwards for a period of minimum 5 years starting from the last date of production of gas cartridges according to that type examination certificate.*
- 1.8.8.2.3 *The applicant shall after careful examination issue a design type certificate which shall be valid for a maximum period of ten years; he shall add this certificate to the documentation. This certificate authorises him to produce gas cartridges of that type for that period.*
- 1.8.8.2.4 *If within that period the relevant technical requirements of RID/ADR (including referenced standards) have changed so that the design type is no longer in conformity with them, the applicant shall withdraw his design type certificate and inform the ~~relevant~~Xa body.*
- 1.8.8.2.5 *The applicant may after careful and complete review reissue the certificate for another period of maximum ten years.*

1.8.8.3 Supervision of manufacture

1.8.8.3.1 The procedure of design type examination as well as the manufacturing process shall be subject to a survey by the ~~Xa~~relevant body to ensure the type certified by the applicant and the product as produced are in conformity with the provisions of the design type certificate and the applicable provisions of RID/ADR/ADN. If 1.8.8.1.3. (e) applies, the assembling and filling enterprises shall be included in that procedure.

1.8.8.3.2 The applicant shall take all the necessary measures to ensure that the manufacturing process complies with the applicable provisions of RID/ADR/ADN and of his design type certificate and its annexes. If 1.8.8.1.3. (e) applies, the assembling and filling enterprises shall be included in that procedure.

1.8.8.3.3 The ~~Xa~~-relevant body shall:

- (a) verify the conformity of the design type examination of the applicant and conformity of the type of gas cartridges with the technical documentation specified in 1.8.8.2;*
- (b) verify that the manufacturing process produces products in conformity with the requirements and the documentation which apply to it; if the cartridge is finally assembled from parts manufactured by the applicant by one or more enterprise(s), the ~~Xa~~relevant body shall also verify that the cartridges are in full conformity with all applicable provisions after final assembly and filling and that the instructions of the applicant are correctly applied;*
- (c) verify that the personnel undertaking the permanent joining of parts and the tests are qualified or approved;*
- (d) record the results of its surveys.*

1.8.8.3.4 If the findings of the ~~Xa~~relevant body show non-conformity of the design type certificate of the applicant or the manufacturing process, he shall require appropriate corrective measures or withdrawal of the certificate from the applicant.

1.8.8.4 Leakproofness test

1.8.8.4.1 The applicant and enterprises finally assembling and filling gas cartridges according to the instructions of the applicant shall:

- (a) carry out the tests required in 6.2.6;*
- (b) record the test results;*

- (c) *issue a certificate of conformity only for gas cartridges, which are in full compliance with the provisions of his design type examination and the applicable provisions of RID/ADR/ADNN and have successfully passed the tests as required in 6.2.6;*
- (d) *retain the documentation as specified in 1.8.8.7 during production and afterwards for a period of minimum 5 years from the last date of production of cartridges belonging to one type approval for inspection by the ~~Xarelevant~~ body at random intervals;*
- (e) *affix a durable and legible mark identifying the type of cartridge, the applicant and the date of production or batch number; where due to limited available space the mark cannot be fully applied to the body of the cartridge, he shall affix a durable tag with this information to the cartridge or place it together with a cartridge in an inner packaging.*

1.8.8.4.2 The ~~Xarelevant~~ body shall:

- (a) *perform the necessary examinations and tests at random intervals, but at least shortly after starting of manufacture of a type of gas cartridges and thereafter at least once every three years, in order to verify that the procedure for design type examination of the applicant as well as that the manufacture and testing of the product are carried out in accordance with the design type certificate and the relevant provisions;*
- (b) *check the certificates supplied by the applicant;*
- (c) *carry out the tests as required in 6.2.6 or approve the program of testing and the in-house inspection service to carry out the tests;*

1.8.8.4.3 The certificate shall contain as a minimum:

- (a) *the name and address of the applicant and – when these are different – the enterprise(s) carrying out the final assembly in accordance with the written instructions of the applicant;*
- (b) *a reference to the version of RID/ADR/ADN and the standard(s) used for manufacture and tests;*
- (c) *the result of inspections and tests;*
- (d) *the data for the marking as required in 1.8.7.4.1 (e).*

1.8.8.5 (reserved)

1.8.8.6 *Surveillance of the in-house inspection service*

When the applicant or enterprise assembling and/or filling gas cartridges has established an in-house inspection service, the provisions of 1.8.7.6 excluding 1.8.7.6.1 (d) and 1.8.7.6.2 (b) shall be applied. The enterprise assembling and/or filling gas cartridges shall comply with the provisions relevant to the applicant. The applicant and enterprises assembling and/or filling the gas cartridges according to the written instructions of the applicant may apply for approval of an in-house inspection service. For such applications, the provisions of 1.8.7.6.1 (a) to (c), 1.8.7.6.2 (a), (c) and (d), 1.8.7.6.3 (a) to (e) and 1.8.7.6.4 shall be applied.

~~1.8.8.7 Documents~~

~~The provisions of 1.8.7.7.1, 1.8.7.7.2, 1.8.7.7.3 and 1.8.7.7.5 shall be applied.~~

2. Add new transitional provisions to 1.6 to read:

“1.6.X Member States/ Contracting Parties need not apply the requirements of 1.8.6, 1.8.7 or 1.8.8 for the conformity assessment of gas cartridges before until [31 January 2013]. ~~December 2012]. For conformity assessment of gas cartridges, the Member States/ Contracting Parties shall instead apply the provisions of RID/ADR as in force on 31. December 2008.~~

1.6.Y Gas cartridges manufactured-constructed and prepared for ~~transport~~ carriage before [1 January 2013] ~~and during the period specified in 1.6.X~~ may still be ~~transported-carried~~ after the end of that period, provided the applicable provisions of RID/ADR are met.”.