

**OTIF**



**ORGANISATION INTERGOUVERNEMENTALE POUR  
LES TRANSPORTS INTERNATIONAUX FERROVIAIRES**

**ZWISCHENSTAATLICHE ORGANISATION FÜR DEN  
INTERNATIONALEN EISENBAHNVERKEHR**

**INTERGOVERNMENTAL ORGANISATION FOR INTER-  
NATIONAL CARRIAGE BY RAIL**

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**RID:** 3<sup>rd</sup> Session of the RID Committee of Experts' standing working group  
(Berne, 20 and 21 May 2014)

**Subject:** Define a standard reference for checks in tank transport allowing all participants involved to meet RID obligations in a traceable manner

**Proposal transmitted by Italy**

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### Reference documents

- OTIF/RID/CE/GTP/2013/7 (UIC) + informal document INF.10 from the 2<sup>nd</sup> session of the RID Committee of Experts' standing working group (Copenhagen, 18 - 22 November 2013);
- OTIF/RID/CE/GTP/2013-A (final report of the 2<sup>nd</sup> session of the RID Committee of Experts' standing working group (Copenhagen, 18 - 22 November 2013), paragraphs 65 to 71.

### Introduction

1. The purpose of this proposal is to introduce check-lists for verifying rail consignments of gases of Class 2 and substances accepted for carriage of classes 3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 6.2, 8 and 9 in tank-wagons, portable tanks, tank-containers or tank swap bodies, in order to improve the safety level of such transport and to prevent leakage of the contents during transport, with particular regard to the closing devices of the tanks. In addition, standardised check-lists would enable participants in Chapter 1.4, such as carriers, fillers and unloaders, to comply with their obligations in a traceable manner to provide evidence of any non-compliance and the actions taken to comply.

For reasons of cost, only a limited number of copies of this document have been made. Delegates are asked to bring their own copies of documents to meetings. OTIF only has a small number of copies available.

**Proposals** (changes underlined or crossed out)

2. **"1.4.2.1 Consignor**

**1.4.2.1.1** The consignor of dangerous goods is required to hand over for carriage only consignments which conform to the requirements of RID. In the context of 1.4.1, he shall in particular:

- (a) ascertain that the dangerous goods are classified and authorized for carriage in accordance with RID;
- (b) furnish the carrier with information and data in a traceable form and, if necessary, the required transport documents and accompanying documents (authorizations, approvals, notifications, certificates, etc.), taking into account in particular the requirements of Chapter 5.4 and of Table A of Chapter 3.2

**Note 1:** In the case of transport in tank-wagons, portable tanks, tank-containers or tank swap bodies of gases of Class 2 and substances accepted for carriage of classes 3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 6.2, 8 and 9, the filler and the carrier shall complete the check-list prescribed in 1.4.3.8, for which they shall be responsible during the carriage of loaded tanks, or else the check-list shall be completed by the unloader and carrier for the carriage of empty and uncleaned tanks. The delivery document of Chapter 5.4 shall contain the wording prescribed in 5.4.1.2.6.

**2:** In the case of transport in tank-wagons, portable tanks, tank-containers or tank swap bodies of gases of Class 2 and substances accepted for carriage of classes 3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 6.2, 8 and 9, or empty uncleaned tanks that have contained the same substances, if the check-list has a non compliance reported by a participant, the consignor must attach this check-list to the transport document, noting the measures taken to achieve compliance with RID and the name of the person who has carried out these measures.

**3:** The check-lists of 1.4.3.8 for the classes indicated are available as best practice guidelines on the OTIF website ([www.otif.org](http://www.otif.org))."

3. **1.4.2.2 Carrier**

**1.4.2.2.1** Amend the last paragraph to read as follows:

"The requirements of this paragraph are considered to have been complied with if ~~Section 5<sup>10</sup> of UIC leaflet 471-3-O ("Inspections of dangerous goods consignments") is applied~~ the carrier has compiled the check-list provided for in 1.4.3.8 ("Check-list and inspections of dangerous goods consignments by tanks") available as best practice guidelines on the OTIF website ([www.otif.org](http://www.otif.org)). The verifications referred to in Section 5<sup>10</sup> of UIC leaflet 471-3-O are deemed to be met if the carrier has filled in the check-list of 1.4.3.8."

4. **"1.4.3.3 Filler**

In the context of 1.4.1, the filler has the following obligations in particular:

- (a) he shall ascertain prior to the filling of tanks that both they and their equipment are technically in a satisfactory condition;

~~**NOTE:** The filler shall establish procedures to check the correct functioning of the closures of the tank of a tank-wagon and to ensure the leaktightness of the closing devices before and after filling. Guidelines in the form of checklists for tank-wagons for liquids, issued by the European Chemical Industry Council (CEFIC), are available on the OTIF website ([www.otif.org](http://www.otif.org)).~~

- (b) he shall ascertain that the date of the next test for tank-wagons, battery-wagons, wagons with demountable tanks, portable tanks, tank-containers and MEGCs has not expired;
- (c) he shall only fill tanks with the dangerous goods authorized for carriage in those tanks;
- (d) he shall, in filling the tank, comply with the requirements concerning dangerous goods in adjoining compartments;
- (e) he shall, during the filling of the tank, observe the maximum permissible degree of filling or the maximum permissible mass of contents per litre of capacity for the substance being filled;
- (f) he shall, after filling the tank, ensure that all closures are in a closed position and that there is no leakage;

~~**NOTE:** The filler shall establish procedures to check the correct functioning of the closures of the tank of a tank-wagon and to ensure the leaktightness of the closing devices before and after filling. Guidelines in the form of checklists for tank-wagons for liquids, issued by the European Chemical Industry Council (CEFIC), are available on the OTIF website ([www.otif.org](http://www.otif.org)).~~

- (g) he shall ensure that no dangerous residue of the filling substance adheres to the outside of the tanks filled by him;
- (h) he shall, in preparing the dangerous goods for carriage, ensure that the orange plates, labels or placards, marks for elevated temperature substances and environmentally hazardous substances as well as shunting labels prescribed are affixed on the tanks, on the wagons and on the large and small containers in accordance with the requirements;
- (i) he shall, before and after filling tank-wagons with a liquefied gas, observe the applicable special checking requirements;

**NOTE:** The filler shall establish procedures to check the correct functioning of the closures of the tank of a tank-wagon, portable tank, tank-container or tank swap body and to ensure the leaktightness of the closing devices before and after filling. The provisions of a) to i) are deemed to be met if the filler has filled in the check-list of 1.4.3.8. The check-lists of 1.4.3.8 are available as best practice guidelines on the OTIF website ([www.otif.org](http://www.otif.org)).

- (j) he shall, when filling wagons or containers with dangerous goods in bulk, ascertain that the relevant provisions of Chapter 7.3 are complied with.

5. "1.4.3.7 Unloader

**NOTE:** In this sub-section, unloading covers removal, unloading and discharging as indicated in the definition of unloader in 1.2.1.

**1.4.3.7.1** In the context of 1.4.1, the unloader shall in particular:

- (a) ascertain that the correct goods are unloaded by comparing the relevant information on the transport document with the information on the package, container, tank, MEGC or wagon;
- (b) before and during unloading, check whether the packagings, the tank, the wagon or container have been damaged to an extent which would endanger the unloading operation. If this is the case, ascertain that unloading is not carried out until appropriate measures have been taken;

~~**NOTE:** The unloader shall establish procedures to check the correct functioning of the closures of the tank of a tank-wagon and to ensure the leaktightness of the closing devices before and after unloading. Guidelines in the form of checklists for tank-wagons for liquids, issued by the European Chemical Industry Council (CEFIC), are available on the OTIF website ([www.otif.org](http://www.otif.org)).~~

- (c) comply with all relevant requirements concerning unloading;
- (d) immediately following the unloading of the tank, wagon or container:
  - (i) remove any dangerous residues which have adhered to the outside of the tank, wagon or container during the process of unloading; and
  - (ii) ensure the closure of valves and inspection openings;

~~**NOTE:** The unloader shall establish procedures to check the correct functioning of the closures of the tank of a tank-wagon and to ensure the leaktightness of the closing devices before and after unloading. Guidelines in the form of checklists for tank-wagons for liquids, issued by the European Chemical Industry Council (CEFIC), are available on the OTIF website ([www.otif.org](http://www.otif.org)).~~

- (e) ensure that the prescribed cleaning and decontamination of the wagons or containers is carried out; and
- (f) ensure that the wagons and containers once completely unloaded, cleaned, degassed and decontaminated, no longer display placards and orange-coloured plate markings.

**NOTE:** The unloader shall establish procedures to check the correct functioning of the closures of the tank of a tank-wagon, portable tank, tank-container or tank swap body and to ensure the leaktightness of the closing devices before and after unloading. The provisions of a) to f) are deemed to be met if the unloader has filled in the check-list of 1.4.3.8. The check-lists of 1.4.3.8 are available as best practice guidelines on the OTIF website ([www.otif.org](http://www.otif.org)).

**1.4.3.7.2** If the unloader makes use of the services of other participants (cleaner, decontamination facility, etc.) he shall take appropriate measures to ensure that the requirements of RID have been complied with."

6. **1.4.3** Add the following new sub-section:

**"1.4.3.8 Check-lists and inspections of dangerous goods consignments in tanks**

**1.4.3.8.1** In order to comply with the obligations of this Chapter, the carrier, the filler and the unloader for carriage in tank-wagons, portable tanks, tank-containers or tank swap bodies of gases of Class 2 and substances accepted for carriage in the liquid state of classes 3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 6.2, 8 and 9, and for empty and uncleaned tanks that have contained the same substances, shall complete the check-list that relates to them. The check-lists for Class 2 or classes 3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 6.2, 8 and 9, as the case may be, are available on the OTIF website (www.otif.org).

**1.4.3.8.2** If no anomalies have been noted, the check-list, completed and signed, shall be preserved in paper or electronic form, for a period not less than that stipulated by the competent authority. If anomalies have been noted, the check-lists shall be attached to the transport document of Chapter 5.4 in order to identify the actions taken to comply with RID and the person who carried the actions out. In this case, the consignee shall keep the check list together with the transport document, for a period not less than that stipulated by the competent authority.

On request, the check-lists shall be made available to the competent authority of the participant's country."

7. **"Chapter 4.2 Use of portable tanks and UN multiple-element gas containers (MEGCs)**

**NOTE 1:** For tank-wagons, demountable tanks, tank-containers and tank swap bodies, with shells made of metallic materials, and battery-wagons and multiple element gas containers (MEGCs), see Chapter 4.3; for fibre-reinforced plastics tank-containers, see Chapter 4.4; for vacuum-operated waste tanks, see Chapter 4.5.

**2:** Portable tanks and UN MEGCs marked in accordance with the requirements of Chapter 6.7, but which were approved in a State that is not an RID Contracting State, may nevertheless be used for carriage under RID.

8. **5.4.1.2** Add a new 5.4.1.2.6 to read as follows:

**"5.4.1.2.6 Additional provisions for carriage in tanks**

When gases of class 2 and substances accepted for carriage of classes 3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 6.2, 8 and 9 are carried in tank-wagons, portable tanks, tank-containers or tank swap bodies, the names of the participants of Chapter 1.4 who have completed a check-list of 1.4.3.8 and the following statement shall be shown in the transport document: "CARRIAGE IN ACCORDANCE WITH 1.4.3.8".

9. **"7.5.1.3** Unless otherwise specified in RID, the unloading shall not be carried out if the above-mentioned inspections reveal deficiencies that might affect the safety or the security of the unloading.

**NOTE:** In order to comply with the obligations of 7.5.1.2 and 7.5.1.3, fillers and unloaders in accordance with Chapter 1.4 shall complete the check-list of 1.4.3.8 for the carriage of gases of Class 2 or substances carried in the liquid state of classes 3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 6.2, 8 and 9 in tank-wagons, portable tanks, tank-containers or tank swap bodies."

**Justification**

10. Introduce the verification check-lists in Chapter 1.4 for consignments of dangerous goods of classes 2, 3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 6.2, 8 and 9 in tank-wagons, portable tanks, tank-containers or tank swap bodies, in order to improve the supervision of safety in transport tanks and to prevent loss of contents. Enable participants to comply with their obligations in accordance with RID in a traceable manner.
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**CHECK-LIST CARRIER**  
**TRANSPORT OF DANGEROUS GOODS - CLASS 2, 3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 6.2, 8 and 9 OF RID**

dangerous goods belonging to class 2

dangerous goods belonging to other classes

cross the appropriate box

<b>IDENTIFICATION NUMBER TANK-WAGON and TANK-CONTAINER OR PORTABLE TANK</b>							
<b>NAME AND DESCRIPTION OF THE SUBSTANCE</b>							
<b>UN Number</b>							
<b>Hazard Identification Number</b>							
<b>Class</b>							
	RID Section	Point	Check	Compliant			Note
				YES	NO	N.A.	
<b>CARRIER</b>	1.4.2.2.1	a	1	ascertain that the dangerous goods to be carried are authorized for carriage in accordance with RID			
		b	2	ascertain that the prescribed documentation is attached to the transport document			1
		c	3	ascertain visually that the wagons and loads have no obvious defects, leakages or cracks, missing equipment, etc.			Refer to the table below
		d	4	ascertain that the deadline for the next test for tank-wagons, battery-wagons, wagons with demountable tanks, portable tanks, tank-containers and MEGCs has not expired			Refer to the table below
			5	verify the expiry date of the maintenance of the wagon			
		e	6	verify that the wagons are not overloaded			
		f	7	ascertain that the danger labels and markings prescribed for the wagons have been affixed			
<b>NAME OF THE CARRIER:</b>							
<b>Name of the agent who carried out the checks:</b>							
<b>Date of check:</b>							
<b>GLOBAL CHECK (COMPLIANT/NOT COMPLIANT)</b>							

Check carried out in the yard/station \_\_\_\_\_ Train Number \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_

**List of inspections to carry out on both sides of wagons/tank-containers (point c3 and d4 of the table above)**

UIC471-3 Reference Code	Description	Compliant		
		YES	NO	N.A (*)
5.1	Tank body not leakproof, leaks, loss of load			
5.2	Loss of load from the lower loading/discharge mechanism			
5.3	Loss of load from the upper loading/discharge mechanism			
5.4	Dome lid not closed or bolt(s) loose (if visible from below)			
5.5	Obvious defects without leakage (such as cracks, dents, impact damage, visible fasteners not secured, emergency screw correct position, pressure relief valve seal check, diverting valve correct position, metallic twine integrity)			
5.6	Foot valve/discharge valves not in closed position			
5.7	Protective caps missing/not screwed in place			
5.8	Blank flanges/securing bolt(s) missing or loose			
5.9.1	Fold-down panels not secured			
5.9.2	Fold-down panels show incorrect information			
5.10	Date of next tank inspection overdue			
6.1	Placards, shunting labels missing or incorrect			
6.2	Placards, shunting labels damaged			
6.3	Markings as per RID section 5.3.3 (UN 3257 and 3258) are missing, incorrect or damaged			
6.4	Markings as per RID section 5.3.6 (environmentally hazardous substances) are missing, incorrect or damaged			
6.5	Orange band missing (class 2 liquefied, refrigerated liquefied or dissolved gas)			
7.1	Orange-coloured plate (tank/bulk goods) missing or incorrect			
7.2	Orange-coloured plate damaged			
8	Proper shipping name does not match the inscriptions on the wagon (class 2 gases in tank wagons)			
Other	Description of possible non compliance			
Actions				

**NAME AND SIGNATURE**

Date \_\_\_\_\_

Note ( RID 1.4.2.2.5): The carrier shall ensure that the manager of the railway infrastructure being used is able to obtain at any time during carriage rapid and unrestricted access to the information allowing him to meet the requirements of 1.4.3.6 b).

<sup>1</sup> Only if the transport document contains the phrase "carriage in accordance with 2.2.41.1.13" or "carriage in accordance with 2.2.52.1.8 (\*) The box N.A. must only be crossed if the checks are not carried out for the transport in question.

**Regulations concerning the International Carriage of Dangerous Goods by Rail - RID 2015**  
**check-list UNLOADER**  
**TRANSPORT DANGEROUS GOODS CLASS 2 OF RID**

IDENTIFICATION NUMBER TANK WAGON, TANK-CONTAINER OR PORTABLE TANK	
TANK CODE AND SPECIAL PROVISIONS	
NAME AND DESCRIPTION OF THE SUBSTANCE	
HAZARD IDENTIFICATION NUMBER and UN NUMBER (orange-coloured plates)	
CLASS AND CLASSIFICATION CODE	
PLACARDING	
CARRIER	
TANK WAGON, TANK CONTAINER/PORTABLE TANK, OPERATOR	
ENTITY IN CHARGE OF MAINTENANCE	
DATE IN	DATE OUT

RID SECTION	point	OBJECT OF VERIFICATION	COMPLIANT			Notes / Description of the detected non-compliance	
			YES	NO	N.A. (*)		
7.5.1 and 4.3.3.4	1	Check the conformity of the accompanying documents and regulation provisions				Consignment note in accordance with the Contract of Carriage (CIM), wagon note in accordance with the General Contract of Use for Wagons (GCU) or another transport document meeting the provisions of section 5.4.1; Checklist Carrier, certificates of the latest tests carried out; refusals/restrictions on the transport, etc.	
	2	Ascertain that the deadline of the next test for tank-wagons, portable tanks and tank-containers, has not expired				Date of expiry if not received yet, acquire last test certificate or verify from the plate on the tank)	
	3	Verify the expiration date of the maintenance of the wagon				Date of expiry if not received yet, acquire last test maintenance certificate or verify on the maintenance inscription on the wagon)	
	4	Verify the congruence of the data shown in the moveable panel and verify that it is correctly fastened to it				Wagon number, dangerous good authorized, tank code and special provisions, mass limits, etc.	
1.4.3.7	a) 5	Ascertain that the correct goods are unloaded by comparing the relevant information on the transport document with the information on the tank or wagon				Consignment note in accordance with the Contract of Carriage (CIM), wagon note in accordance with the General Contract of Use for Wagons (GCU) or another transport document meeting the provisions of section 5.4.1.	
	6	Verify that the substance to be downloaded is authorized for carriage in tank					
	b) 7	Ascertain prior to the unloading of tanks that both they and their equipment are technically in a satisfactory condition				Verification refers to the valves, the dome, the substructure of the wagon, thermal insulation, steps, platforms, parapets, etc.	
	8	Verify the existence of grounding systems					
	e) 9	Verify the absence of residues of the dangerous goods adherents to the outside of the tanks					
	f) 10	Verify the congruence of the outside warnings (orange plates, labels or placards)				Verification concerns the orange plates, placards, shunting labels, labels of restrictions on the movement, etc.	
	<b>DOME - Visual check of operating conditions</b>						
	11	Completeness of the closing devices and the absence of leakages				Visual check of operating conditions	
	<b>BOTTOM VALVES MECHANICALLY OR HYDRAULICALLY CONTROLLED - CHECK CORRECT CLOSING AND ABSENCE OF LEAKAGE</b>						
	12	Check if the bottom valve has been correctly closed					
13	Check if the bottom valve has been correctly locked						
14	Check if the indicators are in the closed position						
15	Check the correct positioning of the emergency screw						
16	Check metallic twine integrity						
17	Check that there is no leakage						
<b>DISCHARGE VALVES (BOTTOM FILLING/ DISCHARGE) - CHECK CORRECT CLOSING AND ABSENCE OF LEAKAGE</b>							
18	Check that the discharge valves have been correctly closed						
19	Check safety device against openings						
20	Check the security seals on the safety device						
c) 21	Check that the bolted blank flange and/or the screw cap have been correctly closed						
d) 22	Check that there is no leakage						
<b>PRESSURE-RELIEF VALVES (refrigerated liquefied gasses) CHECK THAT THERE IS NO LEAKAGE</b>							
23	Check the seal on the pressure-relief valve						
24	Verify that the diverting valve is in correct position (open position)						
25	Check that there is no leakage						
26	The residual pressure in the tank is sufficient to counter the external pressure (refrigerated liquefied gasses)				4.3.3.3.4 RID: When the external overpressure could be greater than the tank resistance to external pressure adequate measures shall be taken to protect tanks carrying low pressure liquefied gases against the risk of deformation, e.g. by filling them with nitrogen or another inert gas in order to maintain sufficient pressure inside the tank.		
<b>DOME COVER VALVES (TOP FILLING/DISCHARGE) - CHECK CORRECT CLOSING AND ABSENCE OF LEAKAGE</b>							
27	Check that the valves have been correctly closed				Description of repair work carried out - Name of the person who carried it out		
28	Check that there is no leakage						
29	Check that the bolted blank flange and/or the screw cap have been correctly closed						
30	Check if the device protection against external damage of the valve has been applied						
31	Check if security seals are applied on the device protection against external damage of the valves						

Name of the Unloader	Date and time	Signature
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Global Check Compliant <input type="checkbox"/>	Global Check Non-Compliant <input type="checkbox"/>	[ ] "CARRIAGE IN ACCORDANCE WITH 4.3.2.4.3"
Acceptance, date and time, signature	Signal to Carrier/Tank Operator <input type="checkbox"/>	Detected anomaly date and time .....
This checklist has been prepared by the Unloader or his delegate in order to comply with the requirements of RID that refer to him and in particular those contained in chapters 1.4.3.7 (Safety obligations of the participants), 4.2.2 (General provisions for the use of portable tanks), 4.3.3.3.4 (Provision for the filling of liquid gas tank wagon) and 7.5.1 (Provisions concerning loading, unloading and handling). If the outcome of the checks is unfavorable the tank wagon, a portable tank or tank-container will not be accepted at the unloading and the anomalies detected will be reported to the Carrier/Tank Operator, in accordance with the requirements in subsection 7.5.1 of the RID, this is reflected in the actions contained in the Checklist "Signal to the Carrier/Tank Operator" or "Reject and signal to the Carrier/Tank Operator". Similarly, if during the unloading phase or after unloading anomalies / inefficiencies are detected, the unloading will be discontinued, the tank will be emptied even in an emergency, then the safety measures will be implemented and the procedure adopted for returning the cart to the carrier/tank operator.		Reject and signal to Carrier/Tank Operator <input type="checkbox"/>
(*) The box N.A. must be crossed only in the case in which the verification does not occur for the transport in question.		



**Regulations concerning the International Carriage of Dangerous Goods by Rail - RID 2015**  
**check-list FILLER**  
**TRANSPORT DANGEROUS GOODS CLASS 2 OF RID**

IDENTIFICATION NUMBER TANK WAGON, TANK-CONTAINER OR PORTABLE TANK		
TANK CODE AND SPECIAL PROVISIONS		
NAME AND DESCRIPTION OF THE SUBSTANCE		
HAZARD IDENTIFICATION NUMBER and UN NUMBER (orange-coloured plates)		
CLASS AND CLASSIFICATION CODE		
PLACARDING		
CARRIER		
TANK WAGON, TANK CONTAINER/PORTABLE TANK, OPERATOR		
ENTITY IN CHARGE OF MAINTENANCE		
DATE IN		DATE OUT

RID SECTION	point	OBJECT OF VERIFICATION	COMPLIANT			Notes / Description of the detected non-compliance
			YES	NO	N.A. (*)	
7.5.1 and 4.3.3.4	a	1 Verify the congruence of the data shown in the moveable panel and verify that it is correctly fastened to it				Wagon number, dangerous good authorized, tank code and special provisions, mass limits, etc.
	b	2 Check the conformity of the accompanying documents and regulation provisions				Consignment note in accordance with the Contract of Carriage (CIM), wagon note in accordance with the General Contract of Use for Wagons (GCU) or another transport document meeting the provisions of section 5.4.1, empty document with an indication of the last load; Checklist Carrier, for cleaning certificate, certificates of the latest tests carried out; refusals/restrictions on the transport, etc.
1.4.3.3	a	3 Ascertain prior to the filling of tanks that both they and their equipment are technically in a satisfactory condition				Verification refers to the valves, the manholes, the substructure of the wagon, thermal insulation, steps, platforms, parapets, etc.
		4 Verify the existence of grounding systems				
	b	5 Ascertain that the deadline of the next test for tank-wagons, portable tanks and tank-containers, has not expired				Date of expiry if not received yet, acquire last test certificate or verify applied to the plate on the tank)
		6 Verify the expiration date of the maintenance of the wagon				Date of expiry if not received yet, acquire last test maintenance certificate or verify on the maintenance inscription on the wagon)
	c	7 Verify that the dangerous goods are authorized for carriage in this tank				
	d	8 Verify that the loading requirements for dangerous goods in adjoining compartments are met				
	e	9 Verify the absence of residues of the dangerous goods adherents to the outside of the tanks				
	h	10 Verify the congruence of the outside warnings (orange plates, labels or placards)				Verification concerns the orange plates, placards, shunting labels, labels of restrictions on the movement, etc.
4.2.2 - 4.2.3 and 4.3.2.3.3		11 Verify if the maximum permissible filling level or the maximum permissible mass of contents per litre of capacity for the substance being filled has been observed				
		12 Check if, during loading, the provisions of the operating instructions of the tank wagon, tank-container or the portable tank were observed				
	e	13 Verify, after filling, by means of calibrated checking devices (for example, by weighing on a calibrated weighbridge), if the tank is overfilled or overloaded				Overfilled or overloaded tank-wagon shall be immediately discharged in a safe manner until the permitted filling quantity is reached.
		14 After filling a final visual check of the wagon, its equipment and marking shall be made to ensure that no filling substance is escaping				
		15 The residual pressure in the tank is sufficient to counter the external pressure (refrigerated liquefied gasses)				4.3.3.3.4 RID: When the external overpressure could be greater than the tank resistance to external pressure adequate measures shall be taken to protect tanks carrying low pressure liquefied gases against the risk of deformation, e.g. by filling them with nitrogen or another inert gas in order to maintain sufficient pressure inside the tank.
1.4.3.3		<b>DOMES - Visual check of operating conditions</b>				
		16 Completeness of the closing devices and the absence of leakages				Visual check of operating conditions
		<b>BOTTOM VALVES MECHANICALLY OR HYDRAULICALLY CONTROLLED - CHECK CORRECT CLOSING AND ABSENCE OF LEAKAGE</b>				
		17 Check if the bottom valve has been correctly closed				
		18 Verify if the bottom valve has been correctly locked				
		19 Check if the indicators are in the closed position				
		20 Verify the correct positioning of the emergency screw				
		21 Check metallic twine integrity				
		22 Check that there is no leakage				
		<b>DISCHARGE VALVES (BOTTOM FILLING/DISCHARGE) - CHECK CORRECT CLOSING AND ABSENCE OF LEAKAGE</b>				
		23 Check that the discharge valves have been correctly closed				
		24 Check safety device against opening				
		25 Check the security seals on the safety device				
		26 Check that the bolted blank flange and/or the screw cap have been correctly closed				
		27 Check that there is no leakage				
		<b>PRESSURE-RELIEF VALVES (refrigerated liquefied gasses) CHECK THAT THERE IS NO LEAKAGE</b>				
		28 Check the seal on the pressure-relief valve				
		29 Check that the diverting valve is in correct position (open position)				
		30 Check that there is no leakage				
		<b>DOMES COVER VALVES (TOP FILLING/DISCHARGE) - CHECK CORRECT CLOSING AND ABSENCE OF LEAKAGE</b>				
	31 Check that the valves have been correctly closed				Description of repair work carried out - Name of the person who carried it out	
	32 Check that there is no leakage					
	33 Check that the bolted blank flange and/or the screw cap have been correctly closed					
	34 Check if the device protection against external damage of the valve has been applied					
	35 Check if security seals are applied on the device protection against external damage of the valve					

Name of the Filler		Date and time	
Signature		Signature	
Name		Name	
Global Check Compliant <input type="checkbox"/>		Global Check Non-Compliant <input type="checkbox"/>	
Acceptance, date and time, signature		Signal to Carrier/Tank Operator <input type="checkbox"/>	
		Reject and signal to Carrier/Tank Operator <input type="checkbox"/>	

This check-list is completed by the Filler or his delegate in order to comply with the requirements of RID that refer to him and in particular those contained in chapters 1.4.3.3 (Safety obligations of the participants), 4.2.2 (General provisions for the use of portable tanks), 4.3.3.3.4 (Provision for the filling of liquid gas tank wagon) and 7.5.1 (Provisions concerning loading, unloading and handling). If the outcome of the checks is unfavorable the tank-wagon, tank-container or portable tank, will not be accepted at loading and the anomalies detected will be reported to the Carrier/Tank Operator, in accordance with the requirements in subsection 7.5.1 of RID, this is reflected in the actions contained in the Check-list "Signal to the Carrier/Tank Operator" or "Reject and signal to the Carrier/Tank Operator". Similarly, if during the loading phase or after the loading anomalies / inefficiencies are detected the load will be discontinued, the tank will be emptied even in an emergency, then the safety measures will be implemented and the procedure adopted for returning the cart to the carrier/tank operator.

(\*) The box N.A. must be crossed only in the case in which the verification does not occur for the transport in question.

**Regulations concerning the International Carriage of Dangerous Goods by Rail - RID 2015**  
**check-list UNLOADER**  
**TRANSPORT DANGEROUS GOODS CLASS 3, 4, 5, 6, 8 and 9 OF RID**

IDENTIFICATION NUMBER TANK WAGON, TANK-CONTAINER OR PORTABLE TANK	
TANK CODE AND SPECIAL PROVISIONS	
NAME AND DESCRIPTION OF THE SUBSTANCE	
HAZARD IDENTIFICATION NUMBER and UN NUMBER (orange-coloured plates)	
CLASS AND CLASSIFICATION CODE	
PLACARDING	
CARRIER	
TANK WAGON, TANK CONTAINER/PORTABLE TANK, OPERATOR	
ENTITY IN CHARGE OF MAINTENANCE	
DATE IN	DATE OUT

RID SECTION	point	OBJECT OF VERIFICATION	COMPLIANT			Notes / Description of the detected non-compliance	
			YES	NO	N.A. (*)		
7.5.1 + 4.2 + 4.3	1	Check the conformity of the accompanying documents				Consignment note in accordance with the Contract of Carriage (CIM), wagon note in accordance with the General Contract of Use for Wagons (GCU) or another transport document meeting the provisions of section 5.4.1; Checklist Carrier, certificates of the latest tests carried out; refusals/restrictions on the transport, etc. <b>Date of expiry</b> if not received yet, acquire last test certificate or verify from the plate on the tank	
	2	Ascertain that the deadline of the next test for tank-wagons, portable tanks and tank-containers, has not expired				<b>Date of expiry</b> if not received yet, acquire last test maintenance certificate or verify on the maintenance inscription on the wagon	
	3	Verify the expiration date of the maintenance of the wagon				Wagon number, dangerous good authorized, tank code and special provisions, mass limits, etc.	
	4	Verify the congruence of the data shown in the moveable panel and verify that it is correctly fastened to it				Consignment note in accordance with the Contract of Carriage (CIM), wagon note in accordance with the General Contract of Use for Wagons (GCU) or another transport document meeting the provisions of section 5.4.1.	
1.4.3.7 + 4.2 + 4.3	a	5 Ascertain that the correct goods are unloaded by comparing the relevant information on the transport document with the information on the tank or wagon				Verification refers to the valves, the dome, the substructure of the wagon, thermal insulation, steps, platforms, parapets, etc.	
	b	6 Verify that the substance to be downloaded is authorized for carriage in tank					
		7 Ascertain prior to the unloading of tanks that both they and their equipment are technically in a satisfactory condition					
	e	8 Verify the existence of grounding systems				Verification concerns the orange plates, placards, shunting labels, labels of restrictions on the movement, etc.	
		9 Verify the absence of residues of the dangerous goods adherents to the outside of the tanks					
	f	10 Verify the congruence of the outside warnings (orange plates, labels or placards)					
			<b>DOMES - Visual check of operating conditions</b>				
		11	Check if the dome has been correctly closed				Visual check of operating conditions
		12	Completeness of the closing devices and the absence of leakages				Visual check of operating conditions
			<b>BOTTOM VALVES MECHANICALLY OR HYDRAULICALLY CONTROLLED - CHECK CORRECT CLOSING AND ABSENCE OF LEAKAGE</b>				
		13	Check if the bottom valve has been correctly closed				
		14	Check if the bottom valve has been correctly locked				
		15	Check if the indicators are in the closed position				
		16	Check the correct positioning of the emergency screw				
		17	Check metallic twine integrity				
		18	Check that there is no leakage				
			<b>DISCHARGE VALVES (BOTTOM FILLING/ DISCHARGE) - CHECK CORRECT CLOSING AND ABSENCE OF LEAKAGE</b>				
		19	Check that the discharge valves have been correctly closed				
		20	Check safety device against openings				
		21	Check the security seals on the safety device				
		22	Check that the bolted blank flange and/or the screw cap have been correctly closed on both sides				
		23	Check that there is no leakage and/or drips				
			<b>PRESSURE-RELIEF VALVES (refrigerated liquefied gasses) CHECK THAT THERE IS NO LEAKAGE</b>				
		24	Check the seal on the pressure-relief valve				
		25	Verify that the diverting valve is in correct position (open position)				
		26	Check that there is no leakage				
			<b>VAPOR RECOVERY MANIFOLD WITH BOTTOM CONNECTIONS FOR CLOSED LOOP</b>				
		27	Check that the bolted blank flange and/or the screw cap have been correctly closed				
			<b>DOMES COVER VALVES (TOP FILLING/DISCHARGE) - CHECK CORRECT CLOSING AND ABSENCE OF LEAKAGE</b>				
		28	Check that the valves have been correctly closed				Description of repair work carried out - Name of the person who carried it out
		29	Check that there is no leakage				
		30	Check that the bolted blank flange and/or the screw cap have been correctly closed				
		31	Check if the device protection against external damage of the valve has been applied				
	32	Check if security seals are applied on the device protection against external damage of the valves					
	33	Other obligations for particular classes or special provisions established by					
Name of the Unloader			Date and time				
			Signature		Signature .....		
			Name		[ ] "CARRIAGE IN ACCORDANCE WITH 4.3.2.4.3"		
Global Check Compliant <input type="checkbox"/>			Global Check Non-Compliant <input type="checkbox"/>		Detected anomaly date and time .....		
Acceptance, date and time, signature			Signal to Carrier/Tank Operator <input type="checkbox"/>		Reject and signal to Carrier/Tank Operator <input type="checkbox"/>		

This checklist has been prepared by the Unloader or his delegate in order to comply with the requirements of RID that refer to him and in particular those contained in chapters 1.4.3.7 (Safety obligations of the participants), 4.2.2 (General provisions for the use of portable tanks), 4.3.3.4 (Provision for the filling of liquid gas tank wagon) and 7.5.1 (Provisions concerning loading, unloading and handling). If the outcome of the checks is unfavorable the tank wagon, a portable tank or tank-container will not be accepted at the unloading and the anomalies detected will be reported to the Carrier/Tank Operator, in accordance with the requirements in subsection 7.5.1 of the RID, this is reflected in the actions contained in the Checklist "Signal to the Carrier/Tank Operator" or "Reject and signal to the Carrier/Tank Operator". Similarly, if during the unloading phase or after unloading anomalies / inefficiencies are detected, the unloading will be discontinued, the tank will be emptied even in an emergency, then the safety measures will be implemented and the procedure adopted for returning the cart to the carrier/tank operator.

(\*) The box N.A. must be crossed only in the case in which the verification does not occur for the transport in question.

**Regulations concerning the International Carriage of Dangerous Goods by Rail - RID 2015**  
**check-list FILLER**  
**TRANSPORT DANGEROUS GOODS CLASS 3, 4, 5, 6, 8 and 9 OF RID**

IDENTIFICATION NUMBER TANK WAGON, TANK-CONTAINER OR PORTABLE TANK	
TANK CODE AND SPECIAL PROVISIONS	
NAME AND DESCRIPTION OF THE SUBSTANCE	
HAZARD IDENTIFICATION NUMBER and UN NUMBER (orange-coloured plates)	
CLASS AND CLASSIFICATION CODE	
PLACARDING	
CARRIER	
TANK WAGON, TANK CONTAINER/PORTABLE TANK, OPERATOR	
ENTITY IN CHARGE OF MAINTENANCE	
DATE IN	DATE OUT

RID SECTION	point	OBJECT OF VERIFICATION	COMPLIANT			Notes / Description of the detected non-compliance	
			YES	NO	N.A. (*)		
7.5.1 + 4.2 + 4.3  1.4.3.2 + 4.2 + 4.3	1	Check the conformity of the accompanying documents				Consignment note in accordance with the Contract of Carriage (CIM), wagon note in accordance with the General Contract of Use for Wagons (GCU) or another transport document meeting the provisions of section 5.4.1, empty document with an indication of the last load; Checklist Carrier, for cleaning certificate, certificates of the latest tests carried out; refusals/restrictions on the transport; etc.	
	2	Verify the congruence of the data shown in the moveable panel and verify that it is correctly fastened to it				Wagon number, dangerous good authorized, tank code and special provisions, mass limits, etc.	
	a 3	Ascertain prior to the filling of tanks that both they and their equipment are technically in a satisfactory condition				Verification refers to the valves, the manholes, the substructure of the wagon, thermal insulation, steps, platforms, parapets, etc.	
	4	Verify the existence of grounding systems					
	b 5	Ascertain that the deadline of the next test for tank-wagons, portable tanks and tank-containers, has not expired				Date of expiry if not received yet, acquire last test certificate or verify applied to the plate on the tank	
	6	Verify the expiration date of the maintenance of the wagon				Date of expiry if not received yet, acquire last test maintenance certificate or verify on the maintenance inscription on the wagon	
	c 7	Verify that the dangerous goods are authorized for carriage in this tank					
	d 8	Verify that the loading requirements for dangerous goods in adjoining compartments are met					
	e 9	Verify if the maximum permissible filling level or the maximum permissible mass of contents per litre of capacity for the substance being filled has been observed				Overfilled or overloaded tank-wagon shall be immediately discharged in a safe manner until the permitted filling quantity is reached	
	g 10	Verify the absence of residues of the dangerous goods adherents to the outside of the tanks					
	h 11	Verify the congruence of the outside warnings (orange plates, labels or placards)				Verification concerns the orange plates, placards, shunting labels, labels of restrictions on the movement, etc.	
	f	<b>DOME - Visual check of operating conditions</b>					
	12	Check if the dome has been correctly closed				Visual check of operating conditions	
	13	Completeness of the closing devices and the absence of leakages				Visual check of operating conditions	
	<b>BOTTOM VALVES MECHANICALLY OR HYDRAULICALLY CONTROLLED - CHECK CORRECT CLOSING AND ABSENCE OF LEAKAGE</b>						
	14	Check if the bottom valve has been correctly closed					
	15	Verify if the bottom valve has been correctly locked					
	16	Check if the indicators are in the closed position					
	17	Verify the correct positioning of the emergency screw					
	18	Check metallic twine integrity					
	19	Check that there is no leakage and/or drips					
	<b>DISCHARGE VALVES (BOTTOM FILLING/ DISCHARGE) - CHECK CORRECT CLOSING AND ABSENCE OF LEAKAGE</b>						
	20	Check that the discharge valves have been correctly closed					
	21	Check safety device against opening					
	22	Check the security seals on the safety device					
	23	Check that the bolted blank flange and/or the screw cap have been correctly closed					
	24	Check that there is no leakage and/or drips					
	<b>SAFETY VALVES - CHECK CORRECT CLOSING AND ABSENCE OF LEAKAGE</b>						
	25	Check the seal on the safety valves					
	26	Check that the diverting valve is in correct position (open position)					
	27	Check that there is no leakage					
	<b>VAPOR RECOVERY MANIFOLD WITH BOTTOM CONNECTIONS FOR CLOSED LOOP</b>						
	28	Check that the bolted blank flange and/or the screw cap have been correctly closed					
	<b>DOME COVER VALVES (TOP FILLING/DISCHARGE) - CHECK CORRECT CLOSING AND ABSENCE OF LEAKAGE</b>						
29	Check that the valves have been correctly closed				Description of repair work carried out - Name of the person who carried it out		
30	Check that there is no leakage						
31	Check that the bolted blank flange and/or the screw cap have been correctly closed						
32	Check if the device protection against external damage of the valve has been applied						
33	Check if security seals are applied on the device protection against external damage of the valve						
34	Other prescriptions for particular classes or special provisions established by						
Name of the Filler .....		Date and time				Signature .....	
		Signature				[ ] "CARRIAGE IN ACCORDANCE WITH 4.3.2.4.3"	
		Name			Detected anomaly date and time .....		
Global Check Compliant <input type="checkbox"/>	Global Check Non-Compliant <input type="checkbox"/>	Signal to Carrier/Tank Operator <input type="checkbox"/>			Reject and signal to Carrier/Tank Operator <input type="checkbox"/>		
Acceptance, date and time, signature							

This check-list is completed by the Filler or his delegate in order to comply with the requirements of RID that refer to him and in particular those contained in chapters 1.4.3.3 (Safety obligations of the participants), 4.2.2 (General provisions for the use of portable tanks), 4.3.3.3.4 (Provision for the filling of liquid gas tank wagon) and 7.5.1 (Provisions concerning loading, unloading and handling). If the outcome of the checks is unfavorable the tank-wagon, tank-container or portable tank, will not be accepted at loading and the anomalies detected will be reported to the Carrier/Tank Operator, in accordance with the requirements in subsection 7.5.1 of RID, this is reflected in the actions contained in the Check-list "Signal to the Carrier/Tank Operator" or "Reject and signal to the Carrier/Tank Operator". Similarly, if during the loading phase or after the loading anomalies / inefficiencies are detected the load will be discontinued, the tank will be emptied even in an emergency, then the safety measures will be implemented and the procedure adopted for returning the cart to the carrier/tank operator.

(\*) The box N.A. must be crossed only in the case in which the verification does not occur for the transport in question.